

**Queensferry Crossing**

**Traffic Monitoring Annual Report:  
2013 - 2014**

**May 2015**

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## 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 2013 to September 2014. 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 2013 and September 2014, 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 third Traffic Monitoring Annual Report. The aim of this report is to present the traffic data collected throughout the monitoring period, to allow for key changes and trends to be identified. It also aims to identify key changes in journey times throughout the monitoring period, and how they compare to previous monitoring periods.

### 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. 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 2013 to September 2014; 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 third year of monitoring, from September 2013 to September 2014.



## 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:

- Average 24 hr traffic and HGV flows
- AM peak (07:00 to 10:00) and PM peak (16:00 to 19:00) flows

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, and monthly average speeds for each month between August 2013 and September 2014, are presented in Section 4 (Motorways), Section 5 (A-Roads), Section 6 (B-Roads) and Section 7 (Other Roads) for comparison. Traffic flows for August 2012 to September 2013 have also been included where available, for comparison with the 2013-2014 data.

In the tables contained within Sections 4, 5, 6 and 7, the following abbreviations are used:

- 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 2013 and September 2014:

- There was limited traffic flow data available for August 2013 to August 2014, therefore the data was not considered to be sufficiently representative for analysis.

#### 3.1.1 Monthly Average Traffic Flows

**Table 3-3-1 Site: JTC00068 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	17,017	17,681	34,698
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		Oct-13	No Data	No Data	No Data
		Nov-13	No Data	No Data	No Data
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	No Data	No Data	No Data
		Apr-14	No Data	No Data	No Data
		May-14	No Data	No Data	No Data
		Jun-14	No Data	No Data	No Data
		Jul-14	No Data	No Data	No Data
		Aug-14	No Data	No Data	No Data
		Sep-14	18,486	18,789	37,275
<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	<b>No Data</b>		

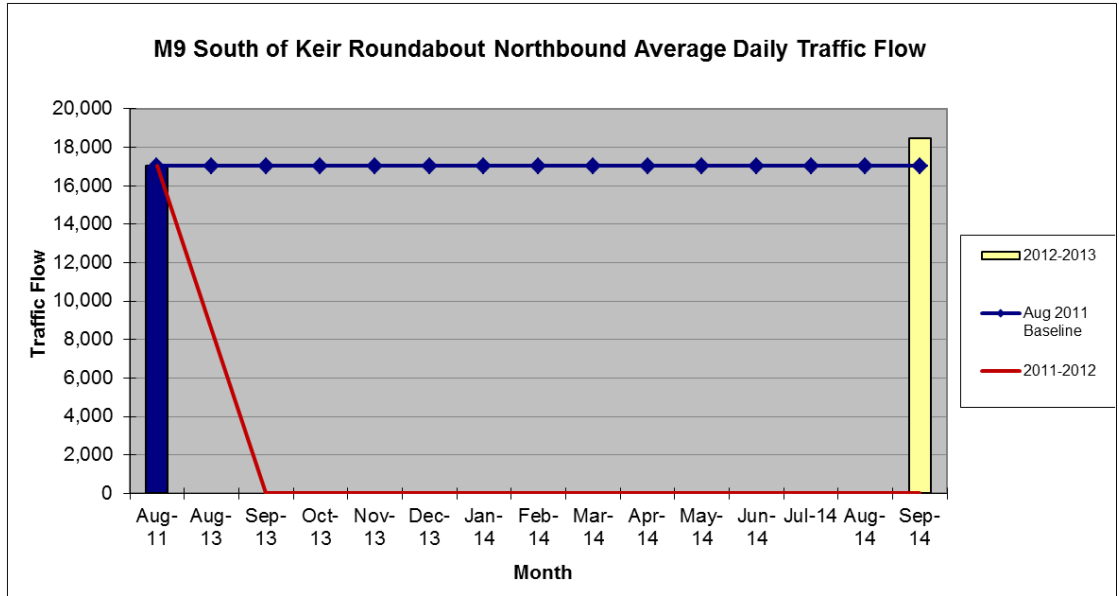


Figure 3-1 Monthly Northbound AADTs on the M9 200m South of Keir Roundabout

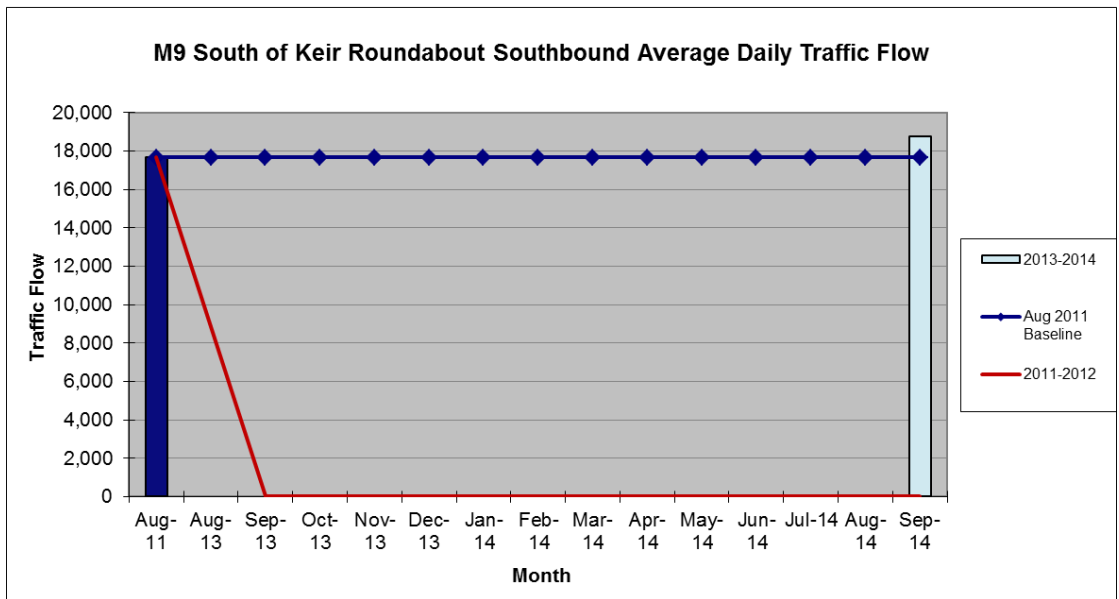


Figure 3-2 Monthly Southbound AADTs on the M9 200m South of Keir Roundabout

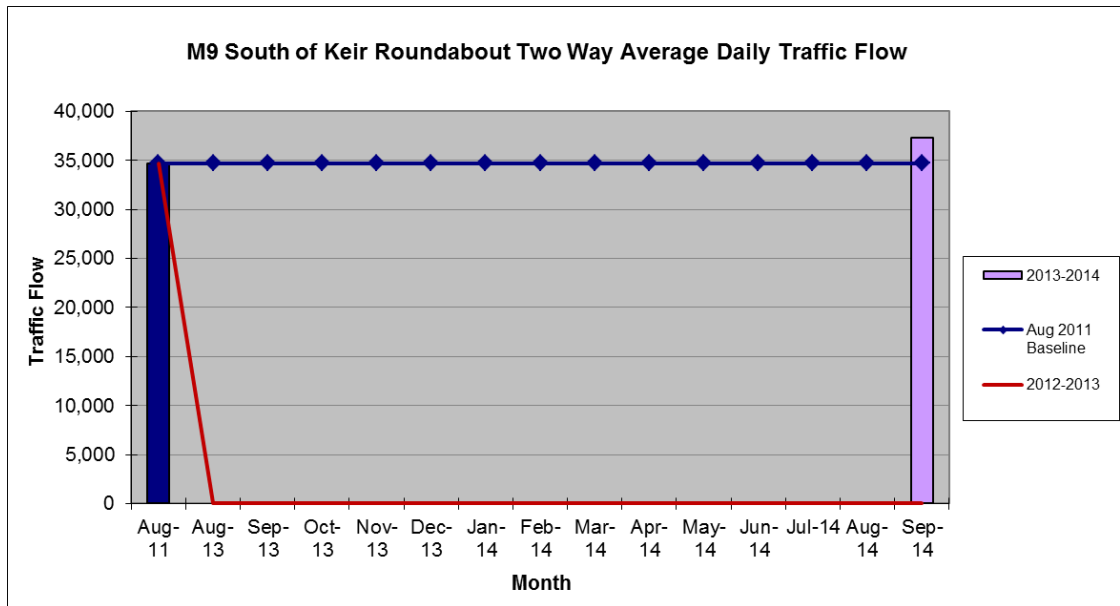


Figure 3-3 Monthly Two Way Daily Traffic Flows on the M9 200m South of Keir Roundabout

### 3.1.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-2 Site: JTC00068 AM and PM Peak Two Way Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC00068	M9 200m South of Keir Roundabout	Aug-11	6,092	7,862
		Aug-13	No Data	No Data
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	6,648	8,360
		<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>

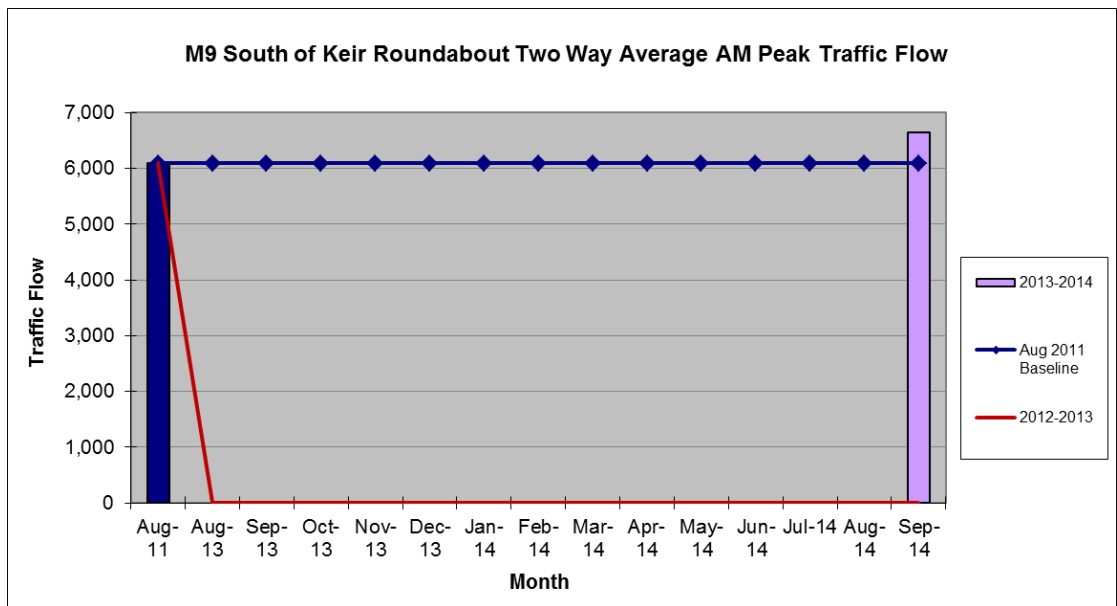


Figure 3-4 Monthly Two way AM Peak Flows on the M9 200m South of Keir Roundabout

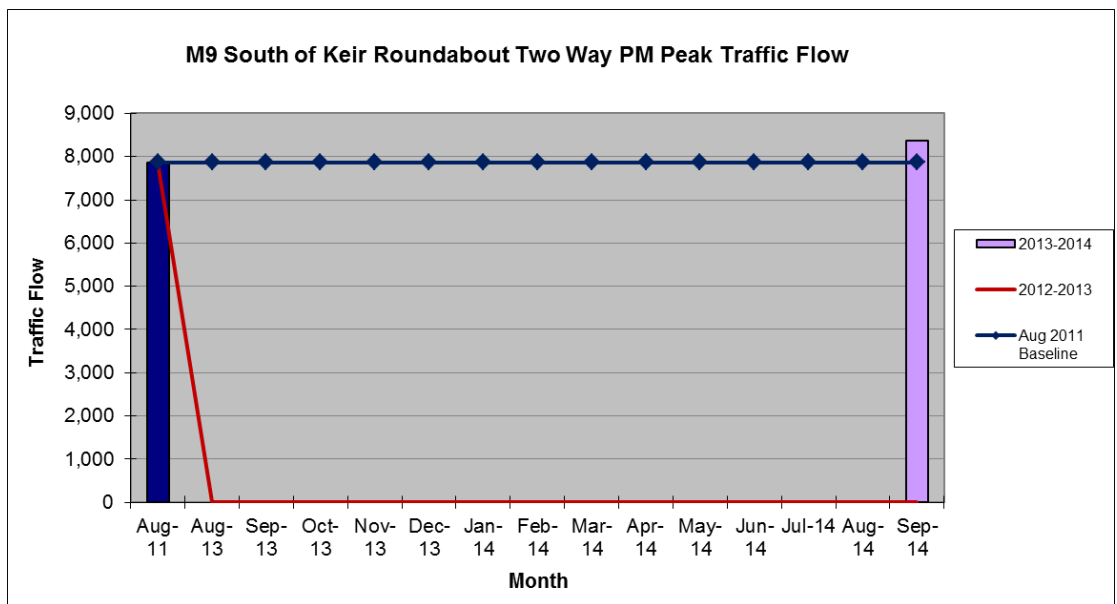


Figure 3-5 Monthly Two Way PM Peak Flows on the M9 200m South of Keir Roundabout

### 3.1.3 Monthly Average HGV Flows

Table 3-3 Site: JTC00068 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	2,207
		Aug-13	No Data
		Sep-13	No Data
		Oct-13	No Data
		Nov-13	No Data
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	No Data
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	2,482
		<b>Annual Average</b>	<b>No Data</b>

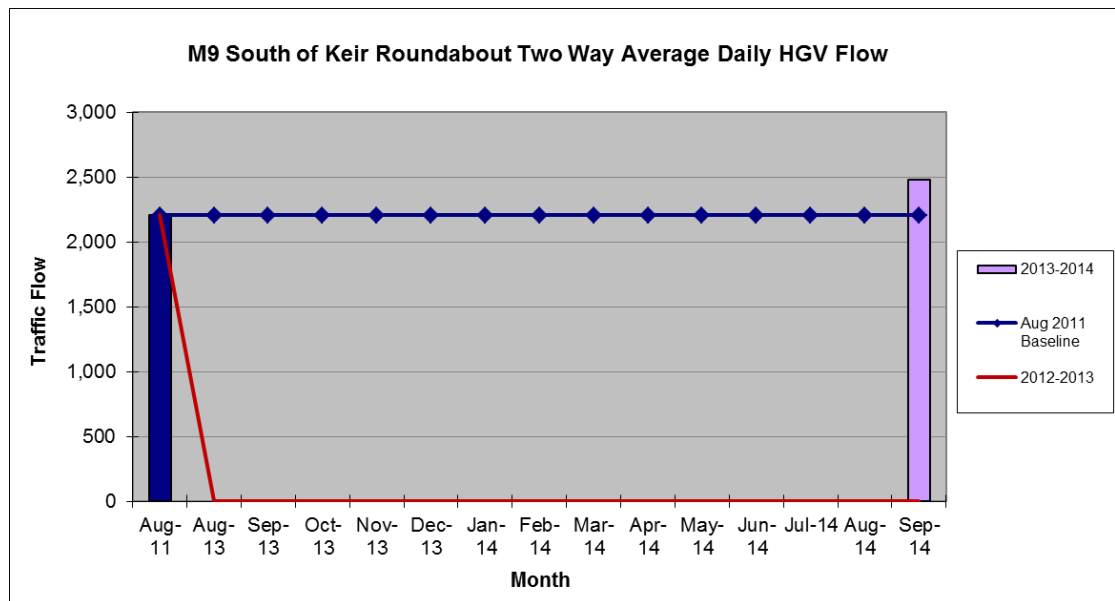


Figure 3-6 Monthly Two Way HGV Traffic Flows on the M9 200m South of Keir Round

### 3.1.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-4 Site: JTC00068 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB	SB
JTC00068	M9 200m South of Keir Roundabout	Aug-13	No Data	No Data
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	109	108



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

Summary of statistics between August 2013 and September 2014:

- Limited traffic flow data was available for August to October 2013, December 2013 to February, and for May 2014, therefore the data was not considered to be sufficiently representative for analysis.
- Flows peak in August 2014.
- HGV flows follow a similar pattern.

#### 3.2.1 Monthly Average Traffic Flows

Table 3-3-5 Site: JTC00439 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	13,806	14,263	28,069
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		Oct-13	No Data	No Data	No Data
		Nov-13	13,068	12,972	26,040
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	13,730	13,974	27,704
		Apr-14	13,284	13,140	26,423
		May-14	No Data	No Data	No Data
		Jun-14	15,249	15,662	30,911
		Jul-14	15,086	15,360	30,446
		Aug-14	15,567	15,894	31,461
		Sep-14	14,089	14,106	28,195
<b>Annual Average</b>	<b>14,083</b>	<b>14,222</b>	<b>28,305</b>		

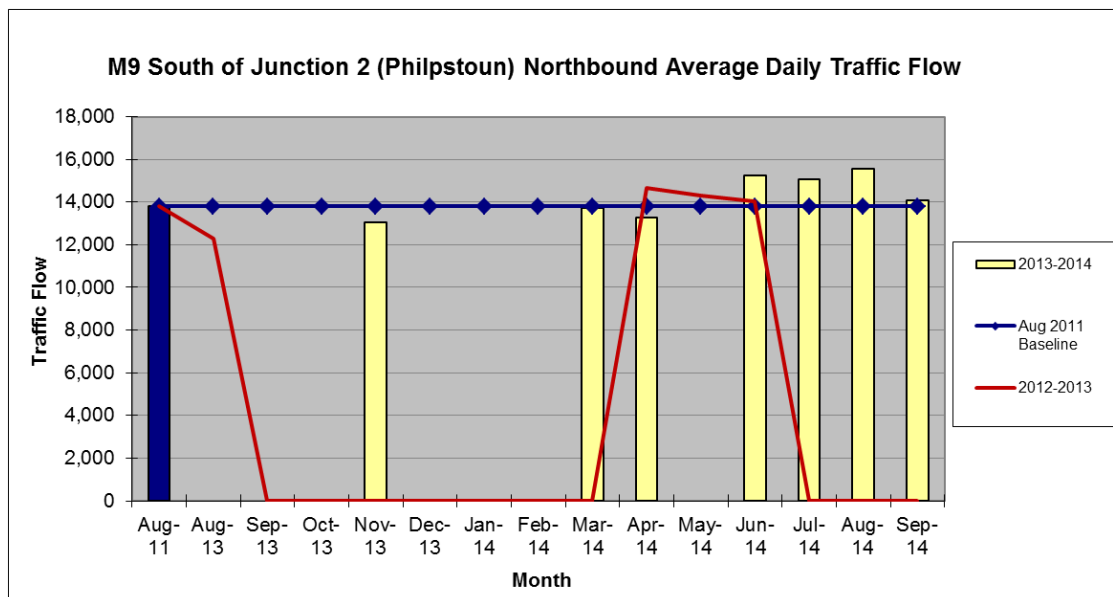


Figure 3-7 Monthly Northbound AADTs on the M9 South of Junction 2 (Philpstoun)

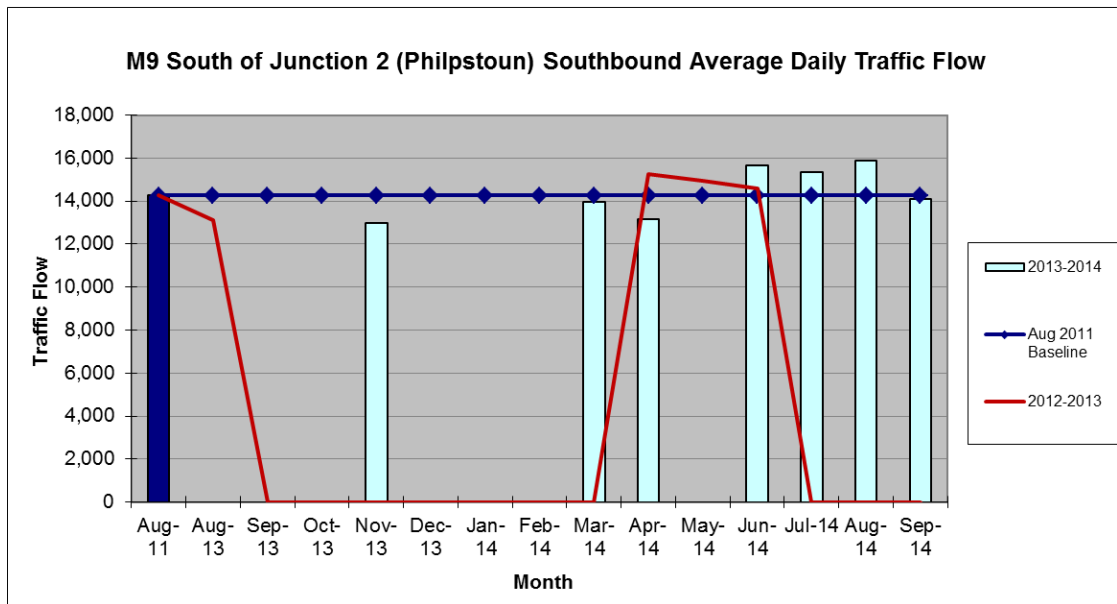


Figure 3-8 Monthly Southbound AADTs on the M9 South of Junction 2 (Philpstoun)

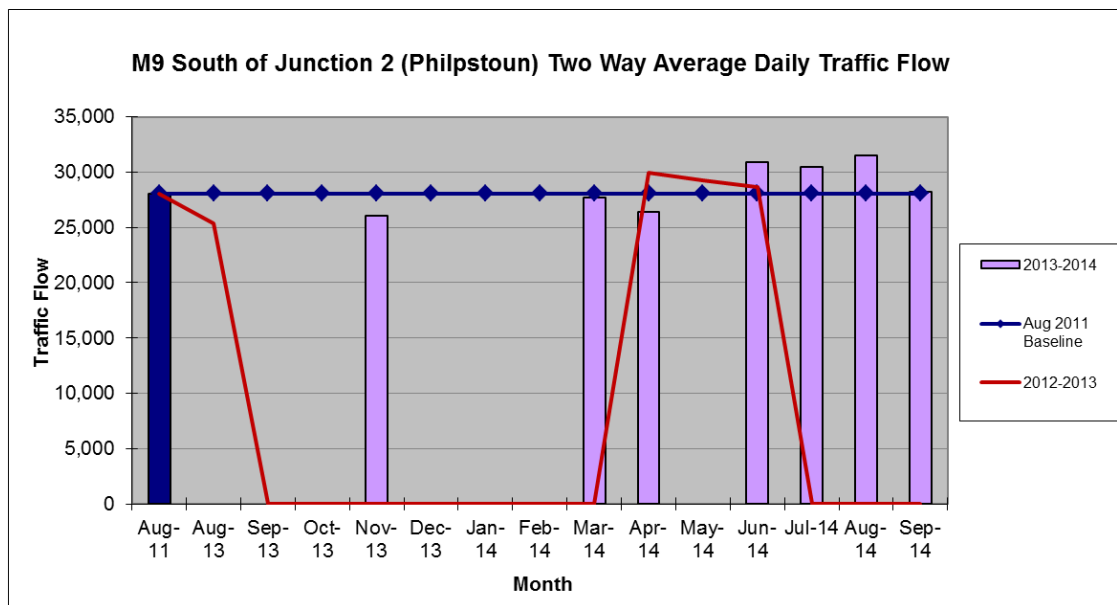
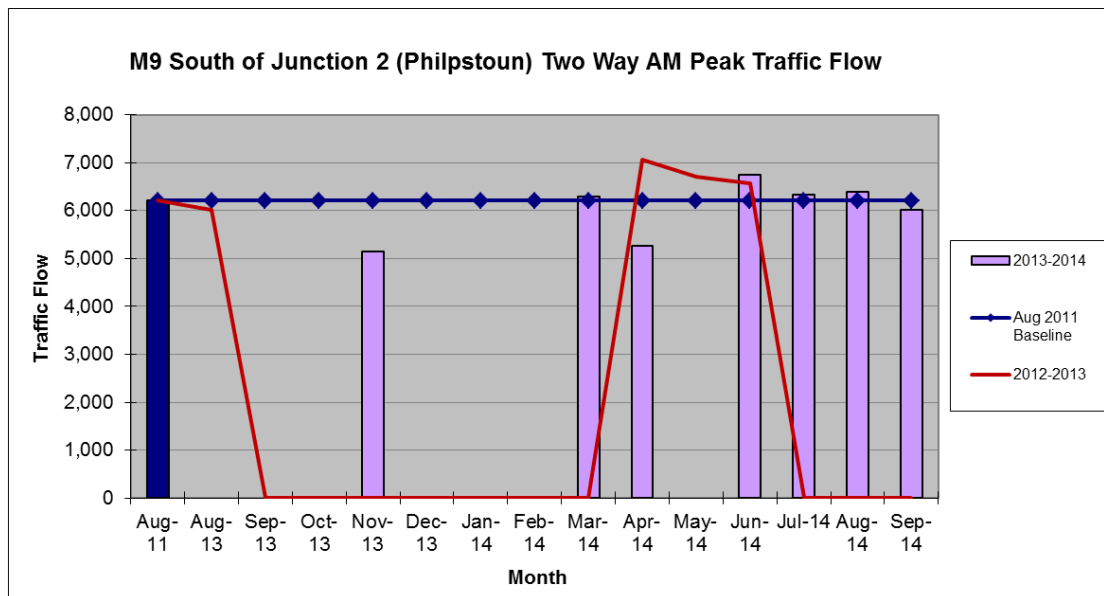


Figure 3-9 Monthly Two Way Daily Traffic Flows on the M9 South of Junction 2 (Philpstoun)

### 3.2.2 Monthly Average AM and PM Peak Traffic Flows

**Table 3-6 Site: JTC00439 Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	6,210	6,872
		Aug-13	No Data	No Data
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	5,144	6,468
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	6,295	6,531
		Apr-14	5,270	5,992
		May-14	No Data	No Data
		Jun-14	6,754	7,137
		Jul-14	6,336	7,062
		Aug-14	6,381	7,332
		Sep-14	6,020	6,804
	<b>Annual Average</b>	<b>5,960</b>	<b>6,638</b>	



**Figure 3-10 Monthly Two Way AM Peak Flows on the M9 South of Junction 2 (Philpstoun)**

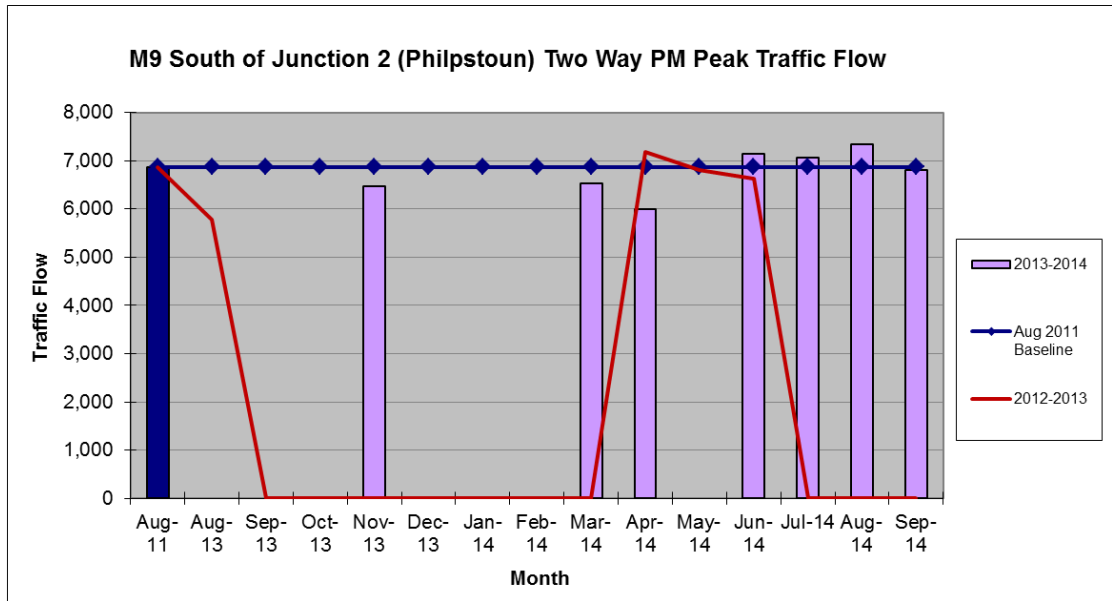


Figure 3-11 Monthly Two Way PM Peak Flows on the M9 South of Junction 2 (Philpstoun)

### 3.2.3 Monthly Average HGV Flows

Table 3-7 Site: JTC00439 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	1,018
		Aug-13	No Data
		Sep-13	No Data
		Oct-13	No Data
		Nov-13	1,189
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	1,294
		Apr-14	1,191
		May-14	No Data
		Jun-14	1,330
		Jul-14	1,369
		Aug-14	1,328
		Sep-14	1,304
		<b>Annual Average</b>	<b>1,275</b>

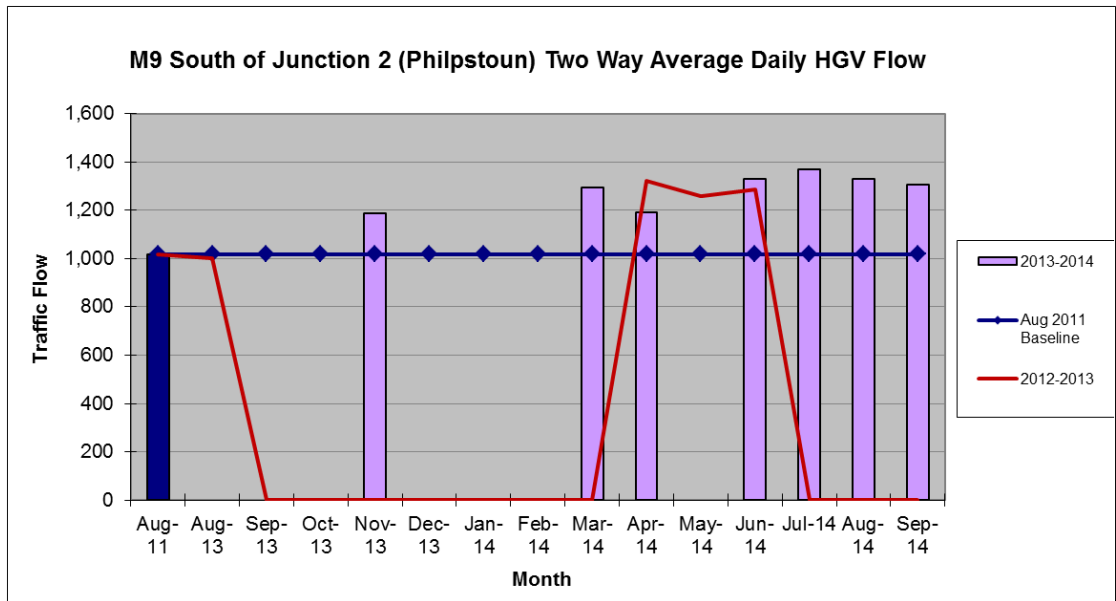


Figure 3-12 Monthly Two Way HGV Traffic Flows on the M9 South of Junction 2 (Philpstoun)

### 3.2.4 Monthly Average All Vehicles Traffic Speeds

Table 3-8 Site: JTC00439 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-13	No Data	No Data
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	109	109
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	110	111
		Apr-14	111	112
		May-14	No Data	No Data
		Jun-14	112	113
		Jul-14	112	112
		Aug-14	111	112
		Sep-14	112	112

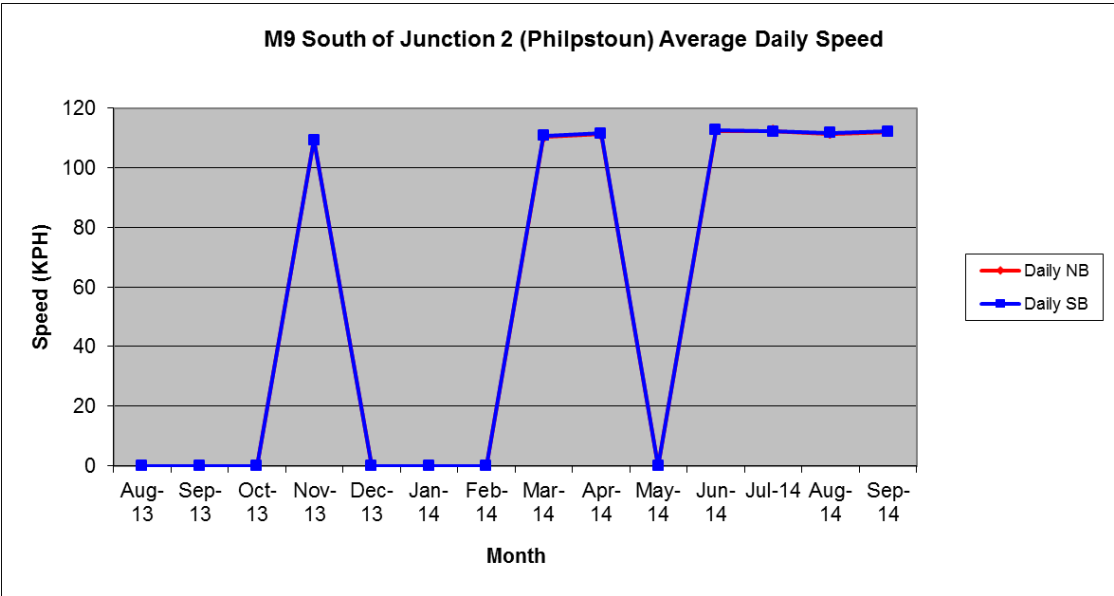


Figure 3-13 Average Monthly Traffic Speeds (KPH) on the M9 South of Junction 2 (Philpstoun)

### 3.3 Traffic Counter JTC06460 – A823 (M) M90 Junction 2 Southbound On-Ramp

Summary of statistics between August 2013 and September 2014:

- JTC06460 replaced JTC00478, with data available from December 2012.
- Traffic flows have been relatively consistent throughout this monitoring periods, and have maintained a similar level since June 2013.
- PM Peak traffic flows peak between November and March.
- HGV flows peak in August and September.

#### 3.3.1 Monthly Average Traffic Flows

**Table 3-3-9 Site: JTC06460 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
JTC06460	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-11	No Data
		Aug-13	5,959
		Sep-13	5,807
		Oct-13	5,841
		Nov-13	5,948
		Dec-13	5,395
		Jan-14	5,555
		Feb-14	5,612
		Mar-14	5,881
		Apr-14	5,858
		May-14	6,003
		Jun-14	5,674
		Jul-14	5,685
		Aug-14	5,872
		Sep-14	5,919
		<b>Annual Average</b>	<b>5,768</b>

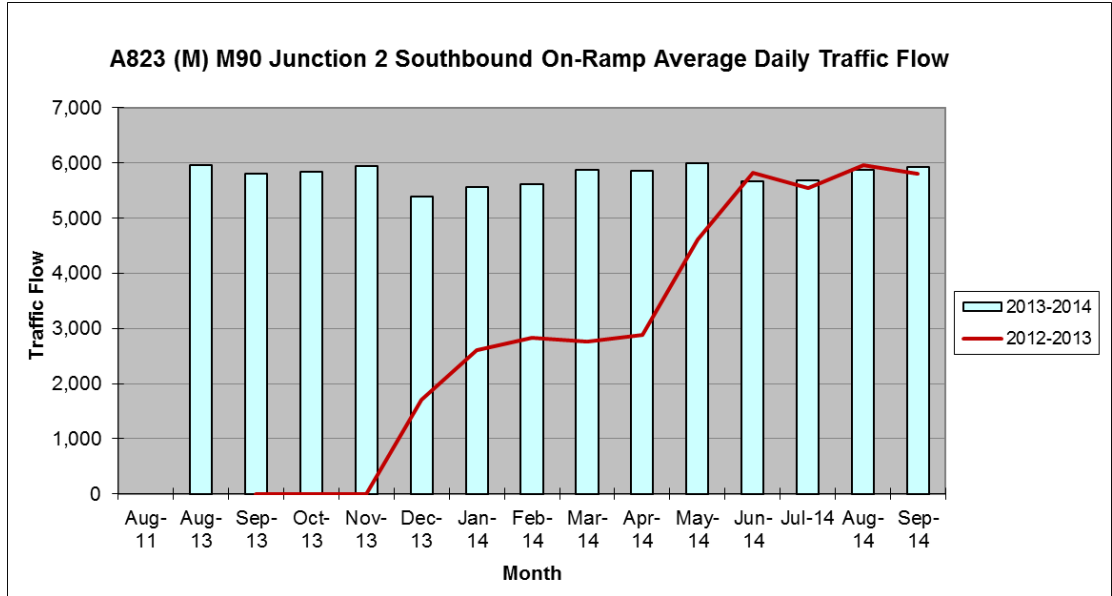


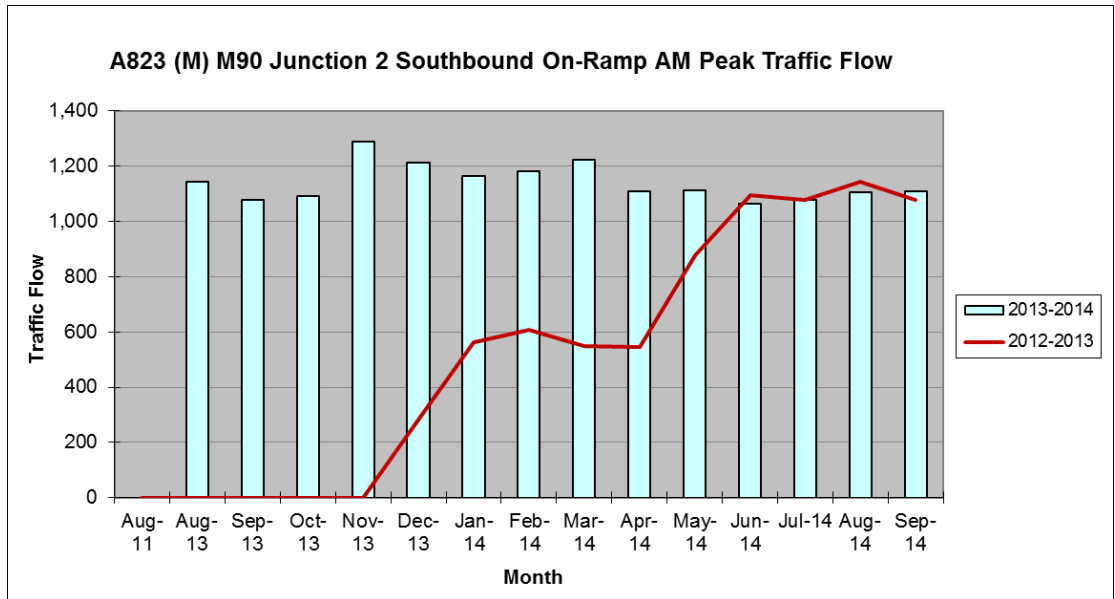
Figure 3-14 Monthly Southbound AADTs on A823 (M) M90 Junction 2 Southbound On-Ramp

### 3.3.2 Monthly Average AM and PM Peak Traffic Flows

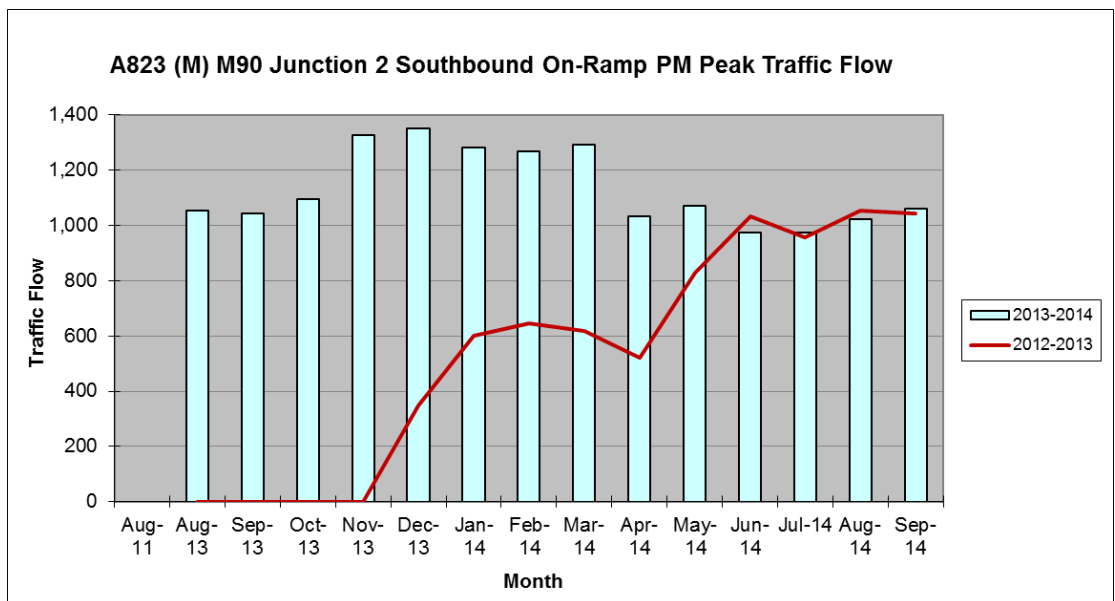
Table 3-10 Site: JTC06460 Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC06460	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-11	No Data	No Data
		Aug-13	1,144	1,055
		Sep-13	1,079	1,045
		Oct-13	1,093	1,094
		Nov-13	1,288	1,327
		Dec-13	1,213	1,351
		Jan-14	1,165	1,284
		Feb-14	1,180	1,268
		Mar-14	1,224	1,292
		Apr-14	1,110	1,032
		May-14	1,112	1,072
		Jun-14	1,064	975
		Jul-14	1,080	973
		Aug-14	1,106	1,023
Sep-14	1,110	1,062		
	<b>Annual Average</b>	<b>1,146</b>	<b>1,147</b>	





**Figure 3-15 Monthly Two Way AM Peak Flows on the A823 (M) M90 Junction 2 Southbound On-Ramp**

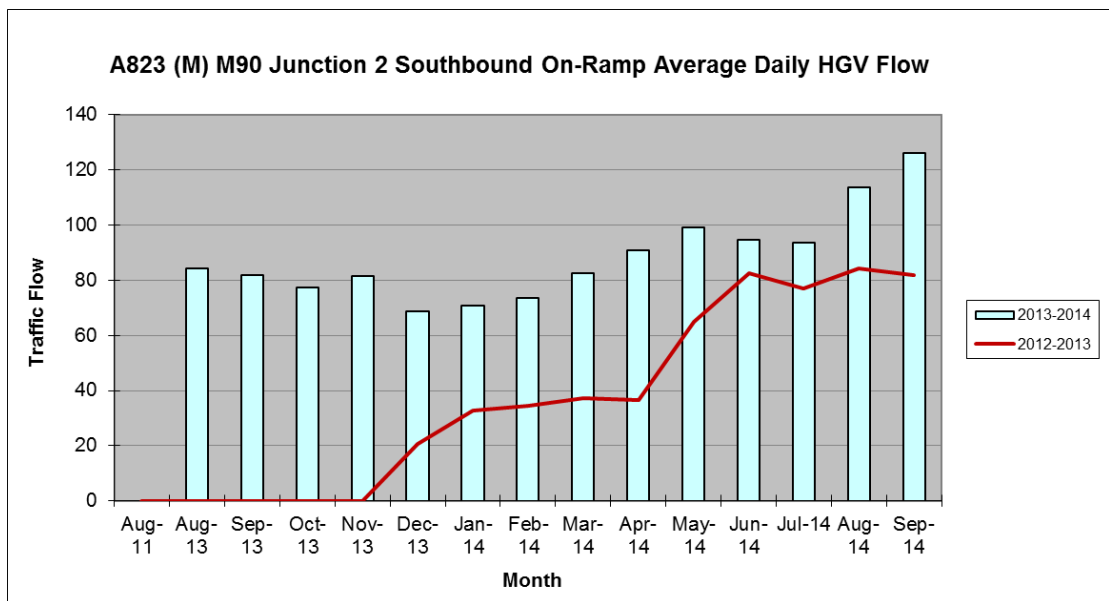


**Figure 3-16 Monthly Two Way PM Peak Flows on the A823 (M) M90 Junction 2 Southbound On-Ramp**

### 3.3.3 Monthly Average HGV Flows

**Table 3-11 Site: JTC06460 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
JTC06460	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-11	No Data
		Aug-13	84
		Sep-13	82
		Oct-13	77
		Nov-13	82
		Dec-13	69
		Jan-14	71
		Feb-14	73
		Mar-14	83
		Apr-14	91
		May-14	99
		Jun-14	95
		Jul-14	94
		Aug-14	114
Sep-14	126		
<b>Annual Average</b>			<b>83</b>

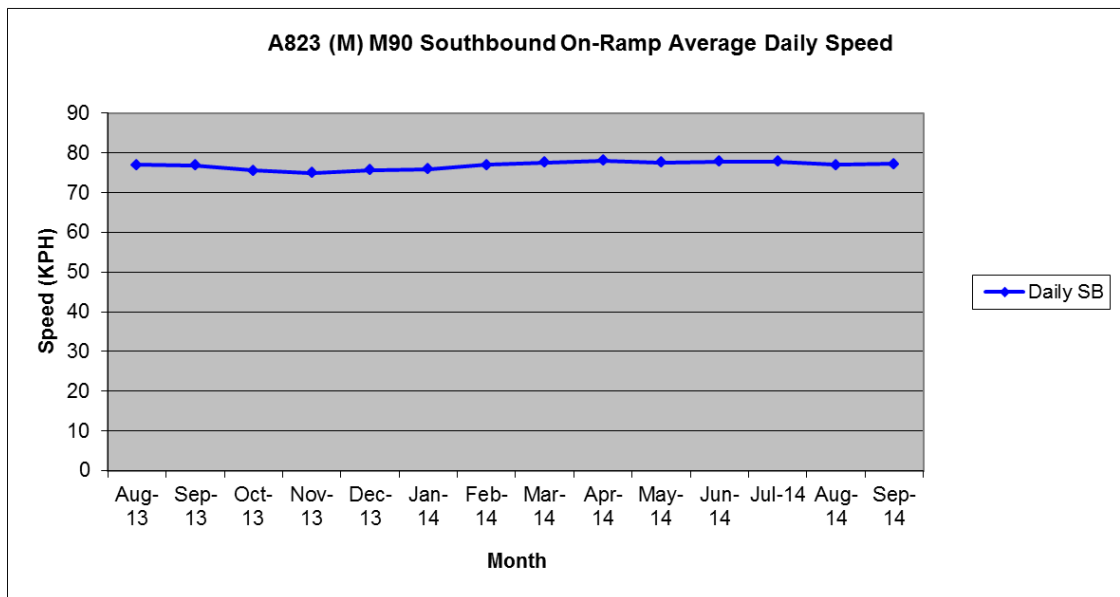


**Figure 3-17 Monthly Southbound HGV Traffic Flows on the A823 (M) M90 Junction 2 Southbound On-Ramp**

### 3.3.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-12 Site: JTC06460 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
JTC06460	A823 (M) M90 Junction 2 Southbound On-Ramp	Aug-13	77
		Sep-13	77
		Oct-13	76
		Nov-13	75
		Dec-13	76
		Jan-14	76
		Feb-14	77
		Mar-14	78
		Apr-14	78
		May-14	78
		Jun-14	78
		Jul-14	78
		Aug-14	77
Sep-14	77		



**Figure 3-18 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 2013 and September 2014:

- Traffic flows are indicative of typical seasonal variation; with lower flows in November 2013 and February 2014, and higher flows over the summer months.
- Traffic levels are similar to those recorded in the 2012-2013 monitoring period.

#### 3.4.1 Monthly Average Traffic Flows

**Table 3-3-13 Site: JTC00479 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	7,247
		Aug-13	6,581
		Sep-13	6,435
		Oct-13	6,470
		Nov-13	6,160
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	6,279
		Mar-14	6,447
		Apr-14	6,123
		May-14	6,526
		Jun-14	6,569
		Jul-14	6,403
		Aug-14	6,557
		Sep-14	6,594
		<b>Annual Average</b>	<b>6,399</b>

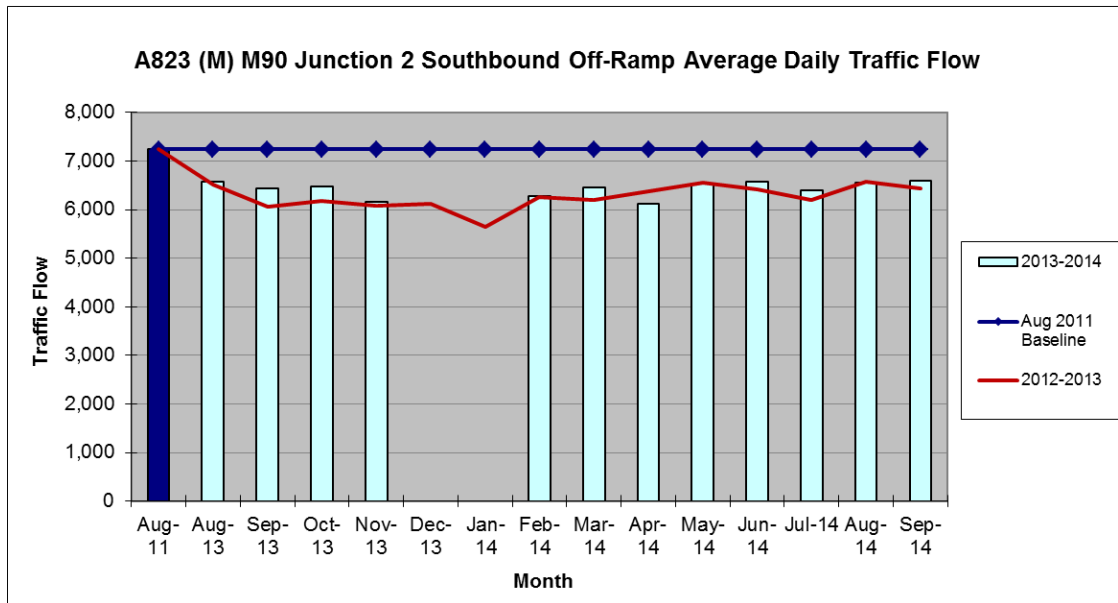


Figure 3-19 Monthly Southbound AADTs on the A823 (M) M90 Junction 2 Southbound Off-Ramp

### 3.4.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-14 Site: JTC00479 Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	1,348	1,862
		Aug-13	1,226	1,710
		Sep-13	1,238	1,717
		Oct-13	1,266	1,739
		Nov-13	1,219	1,646
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	1,185	1,768
		Mar-14	1,217	1,727
		Apr-14	1,193	1,544
		May-14	1,232	1,733
		Jun-14	1,257	1,699
		Jul-14	1,210	1,642
		Aug-14	1,234	1,632
Sep-14	1,316	1,728		
	<b>Annual Average</b>	<b>1,225</b>	<b>1,692</b>	

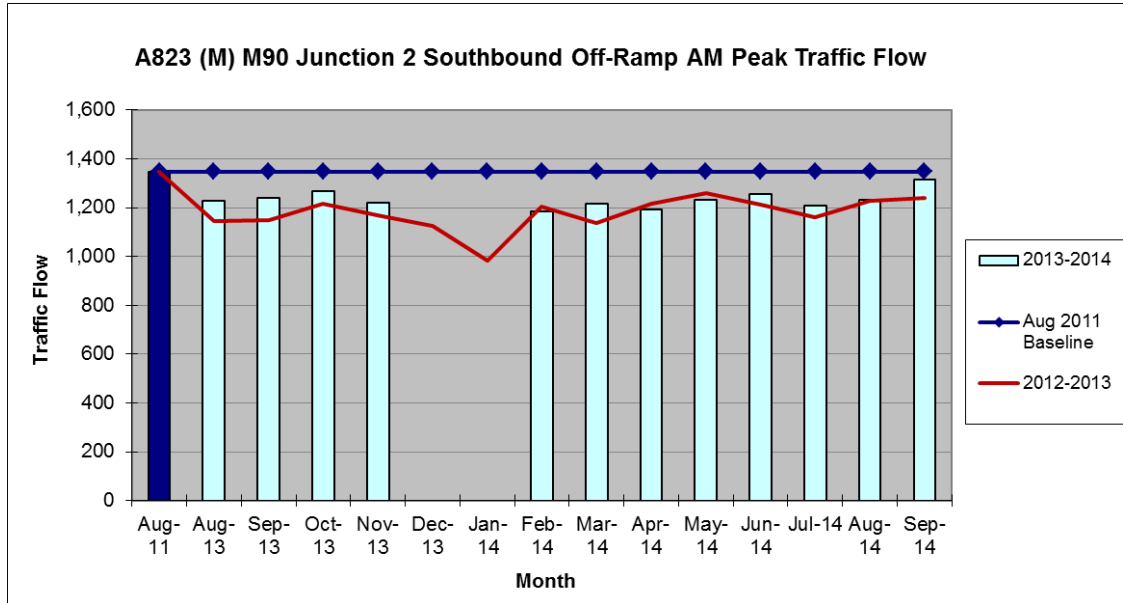


Figure 3-20 Monthly Southbound AM Peak Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

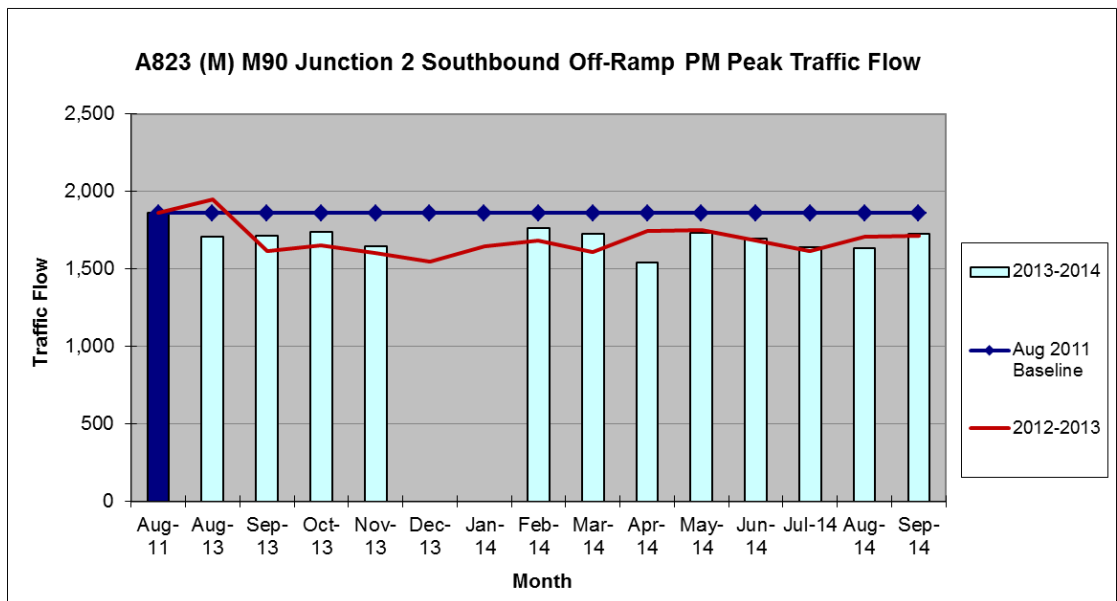


Figure 3-21 Monthly Southbound PM Peak Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

### 3.4.3 Monthly Average HGV Flows

Table 3-15 Site: JTC00479 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-11	109
		Aug-13	92
		Sep-13	90
		Oct-13	83
		Nov-13	79
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	74
		Mar-14	86
		Apr-14	86
		May-14	97
		Jun-14	103
		Jul-14	106
		Aug-14	95
		Sep-14	99
		<b>Annual Average</b>	<b>90</b>

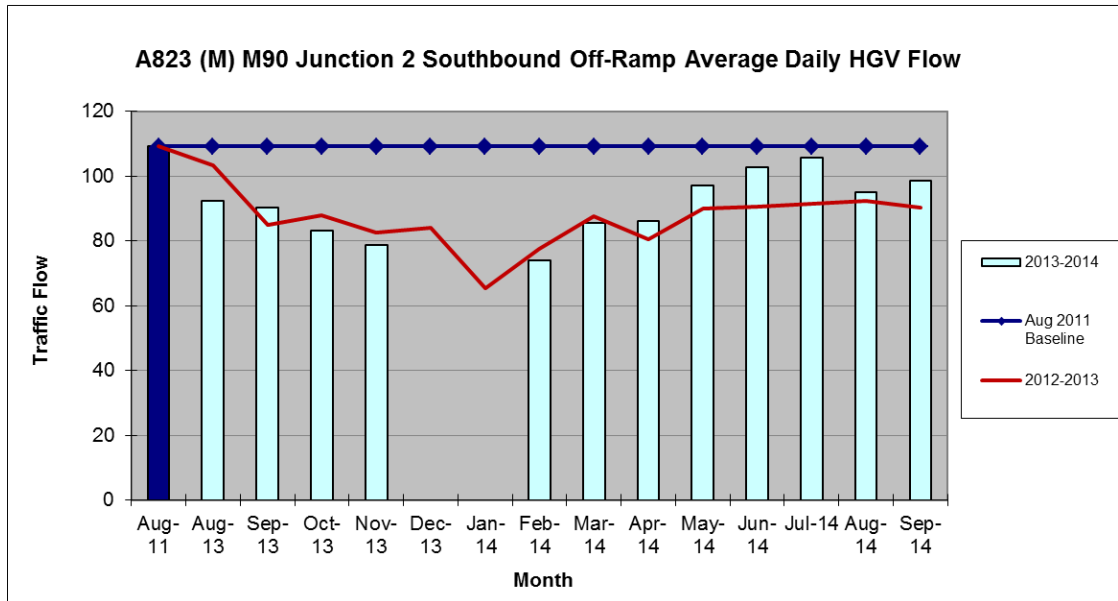
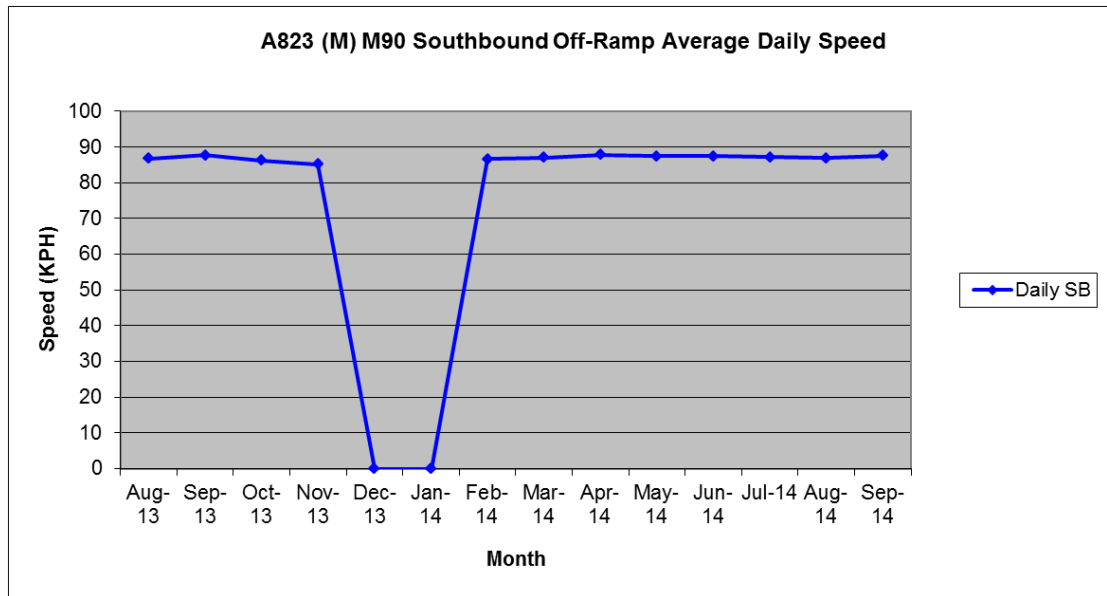


Figure 3-22 Monthly Southbound HGV Traffic Flows on the A823 (M) M90 Junction 2 Southbound Off-Ramp

### 3.4.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-16 Site: JTC00479 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
JTC00479	A823 (M) M90 Junction 2 Southbound Off-Ramp	Aug-13	87
		Sep-13	88
		Oct-13	86
		Nov-13	85
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	87
		Mar-14	87
		Apr-14	88
		May-14	87
		Jun-14	87
		Jul-14	87
		Aug-14	87
		Sep-14	88



**Figure 3-23 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 2013 and September 2014:

- Traffic flows are indicative of typical seasonal variation; with lower flows in December 2013 and January 2014 and higher flows over the summer months.
- There is a slight decrease in traffic volume in August 2014 when compared with August 2013, but an increase when compared with August 2011.
- HGV flows on this route have increased from the 2011 baseline, however general traffic remains at a similar level.

#### 3.5.1 Monthly Average Traffic Flows

**Table 3-3-17 Site: JTC00589 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	19,549
		Aug-13	20,703
		Sep-13	20,184
		Oct-13	19,171
		Nov-13	18,326
		Dec-13	15,832
		Jan-14	15,975
		Feb-14	18,554
		Mar-14	18,434
		Apr-14	18,275
		May-14	18,136
		Jun-14	20,566
		Jul-14	20,674
		Aug-14	20,420
		Sep-14	20,909
		<b>Annual Average</b>	<b>18,736</b>

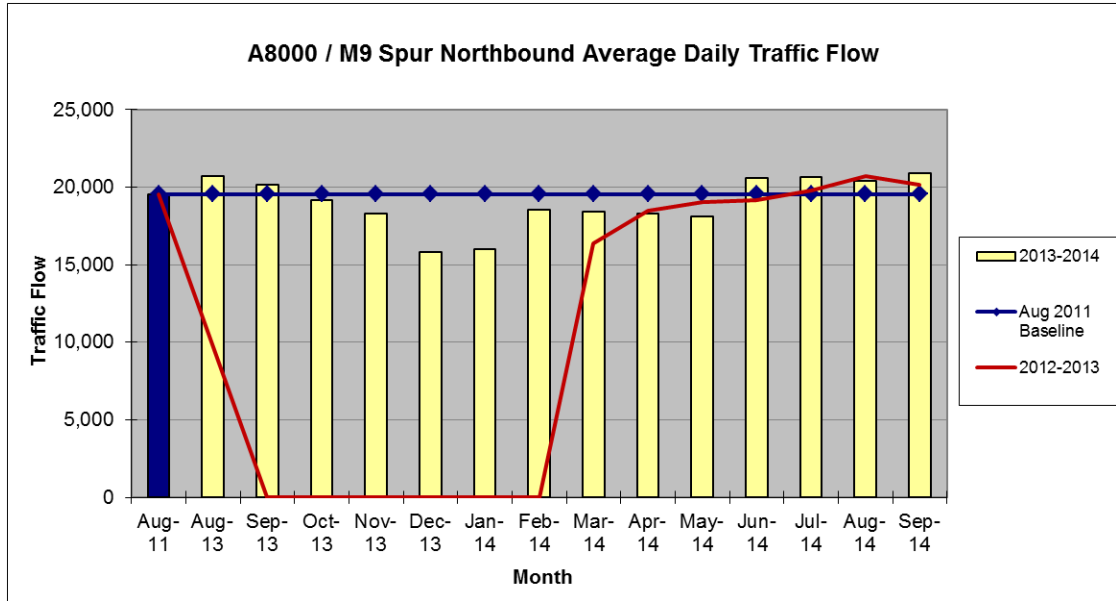


Figure 3-24 Monthly Northbound AADTs on the A8000 / M9 Spur Northbound

### 3.5.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-18 Site: JTC00589 Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC00589	A8000 / M9 Spur Northbound	Aug-11	3,326	4,449
		Aug-13	3,565	4,615
		Sep-13	3,621	4,540
		Oct-13	3,329	4,422
		Nov-13	2,947	4,432
		Dec-13	2,356	3,802
		Jan-14	2,569	4,079
		Feb-14	3,175	4,483
		Mar-14	3,154	4,391
		Apr-14	3,188	4,003
		May-14	3,300	4,027
		Jun-14	3,618	4,470
		Jul-14	3,596	4,249
		Aug-14	3,411	4,304
		Sep-14	3,847	4,448
	<b>Annual Average</b>	<b>3,201</b>	<b>4,293</b>	

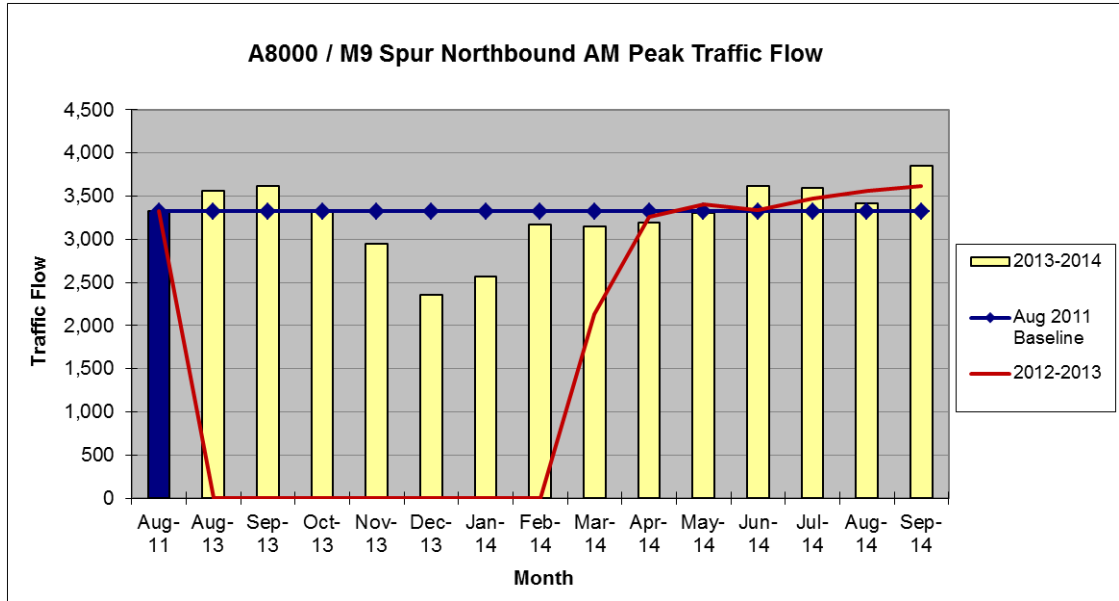


Figure 3-25 Monthly Northbound AM Peak Flows on the A8000 / M9 Spur Northbound

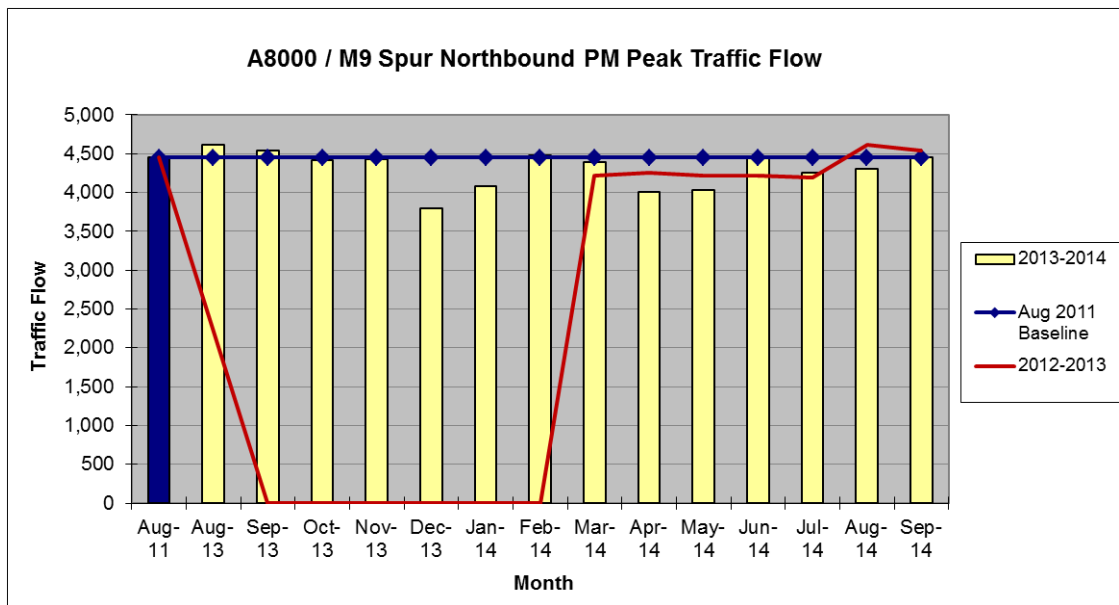
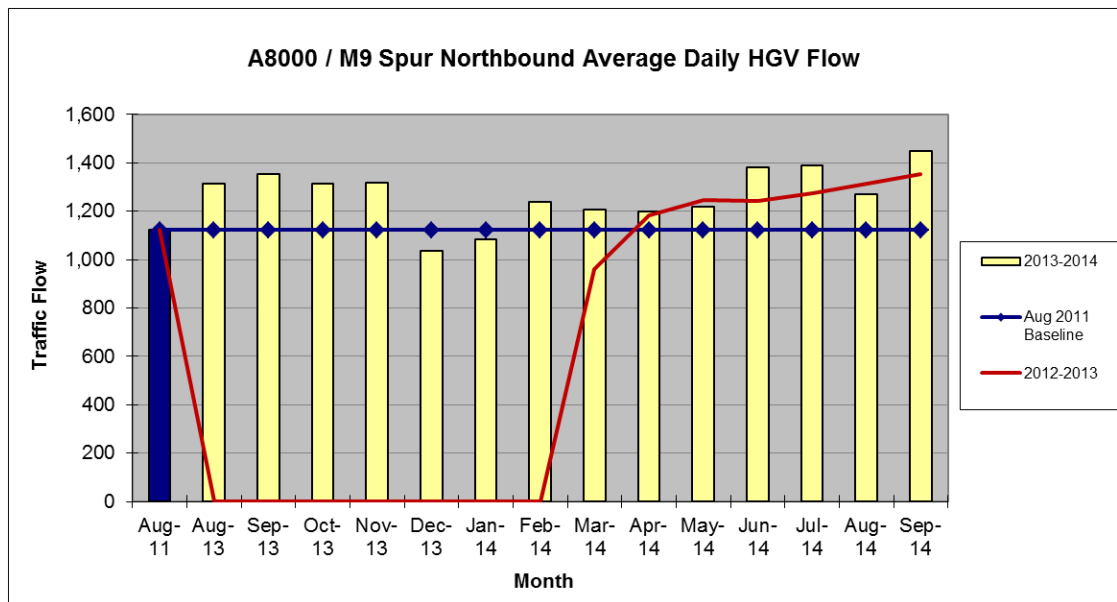


Figure 3-26 Monthly Northbound PM Peak Flows on the A8000 / M9 Spur Northbound

### 3.5.3 Monthly Average HGV Flows

**Table 3-19 Site: JTC00589 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	1,122
		Aug-13	1,316
		Sep-13	1,352
		Oct-13	1,314
		Nov-13	1,320
		Dec-13	1,037
		Jan-14	1,082
		Feb-14	1,238
		Mar-14	1,206
		Apr-14	1,198
		May-14	1,220
		Jun-14	1,381
		Jul-14	1,389
		Aug-14	1,269
		Sep-14	1,450
		<b>Annual Average</b>	<b>1,254</b>

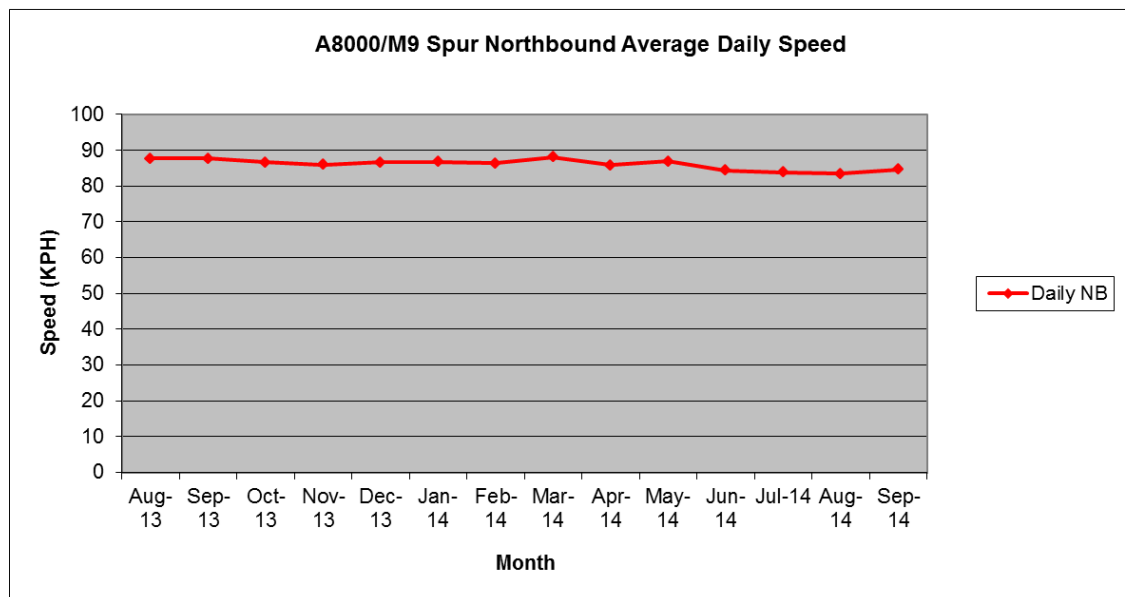


**Figure 3-27 Monthly Northbound HGV Traffic Flows on the A8000 / M9 Spur Northbound**

### 3.5.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-20 Site: JTC00589 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-13	88
		Sep-13	88
		Oct-13	87
		Nov-13	86
		Dec-13	87
		Jan-14	87
		Feb-14	86
		Mar-14	88
		Apr-14	86
		May-14	87
		Jun-14	84
		Jul-14	84
		Aug-14	83
		Sep-14	85



**Figure 3-28 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 2013 and September 2014:

- Traffic flows are indicative of typical seasonal variation; with lower flows in December 2013 and January 2014 and higher flows over the summer months.
- Flows were higher in every month compared to the previous reporting period, and flows over the summer months of 2013 and 2014 were found to be slightly higher than the baseline flow.
- HGV flows on this route have increased from the 2011 baseline, however general traffic remains at a similar level.

#### 3.6.1 Monthly Average Traffic Flows

**Table 3-3-21 Site: JTC00590 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	20,468
		Aug-13	21,477
		Sep-13	20,942
		Oct-13	20,688
		Nov-13	19,649
		Dec-13	17,253
		Jan-14	17,630
		Feb-14	19,186
		Mar-14	19,813
		Apr-14	20,553
		May-14	21,083
		Jun-14	21,505
		Jul-14	22,179
		Aug-14	22,165
Sep-14	22,064		
		<b>Annual Average</b>	<b>20,163</b>

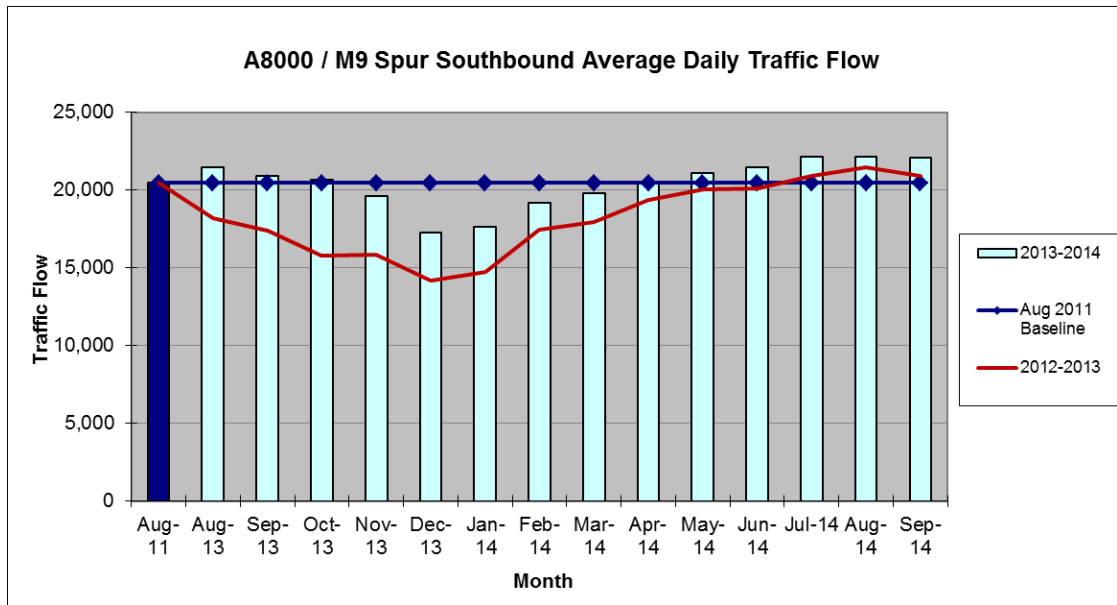


Figure 3-29 Monthly Southbound AADTs on the A8000 / M9 Spur Southbound

### 3.6.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-22 Site: JTC00590 Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC00590	A8000 / M9 Spur Southbound	Aug-11	3,966	4,031
		Aug-13	4,112	4,324
		Sep-13	4,167	4,263
		Oct-13	4,180	4,187
		Nov-13	3,675	4,311
		Dec-13	2,880	3,642
		Jan-14	3,382	3,903
		Feb-14	3,706	4,208
		Mar-14	3,707	4,394
		Apr-14	3,983	4,167
		May-14	4,164	4,220
		Jun-14	4,236	4,233
		Jul-14	4,294	4,315
		Aug-14	4,095	4,392
Sep-14	4,422	4,500		
<b>Annual Average</b>			<b>3,874</b>	<b>4,181</b>

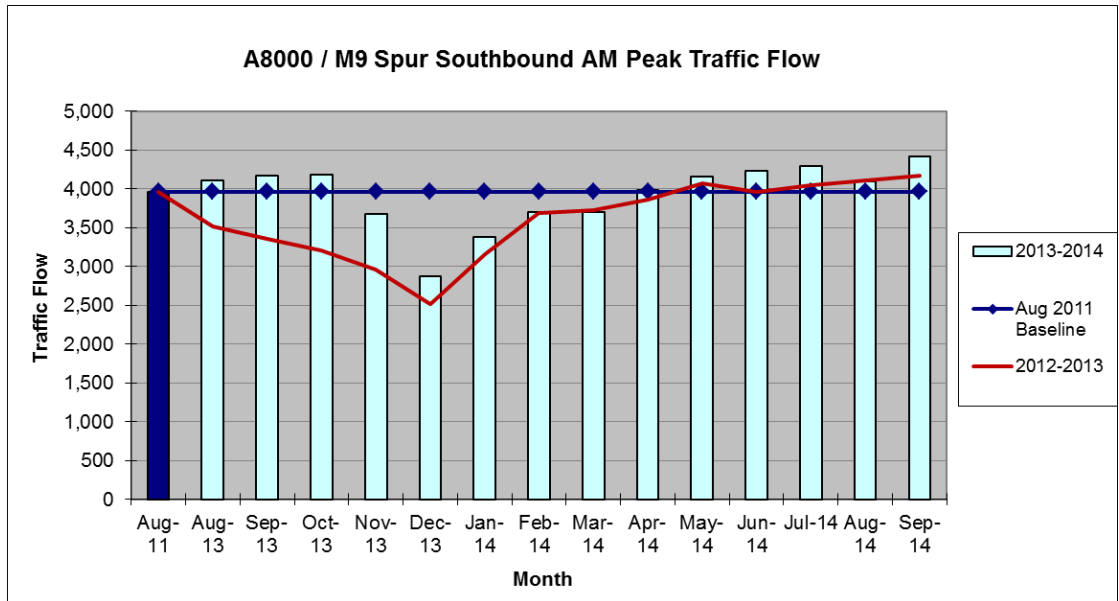


Figure 3-30 Monthly Southbound AM Peak Flows on the A8000 / M9 Spur Southbound

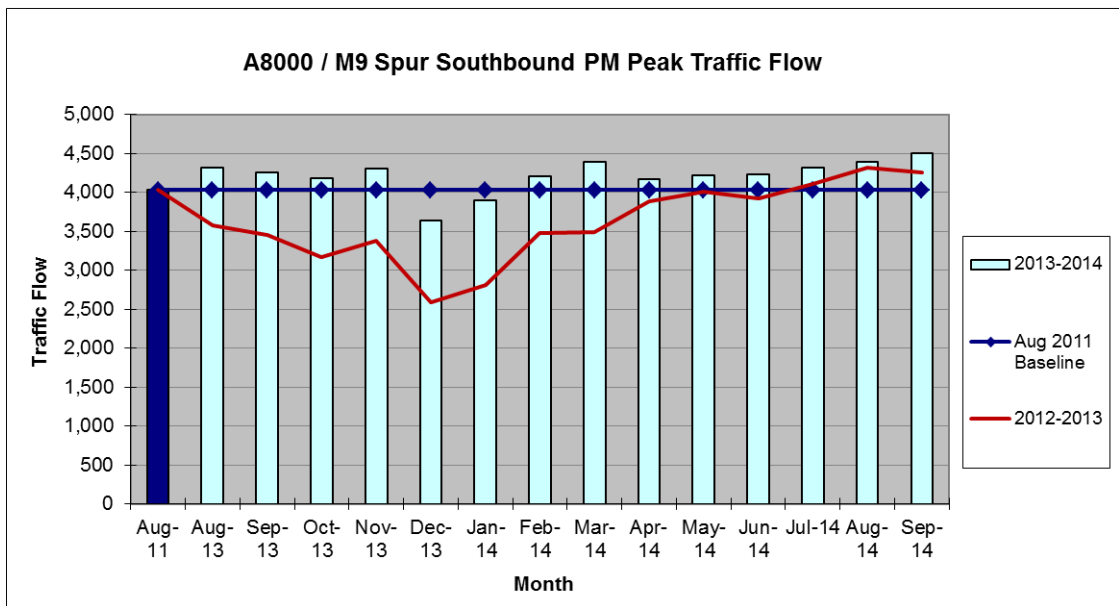


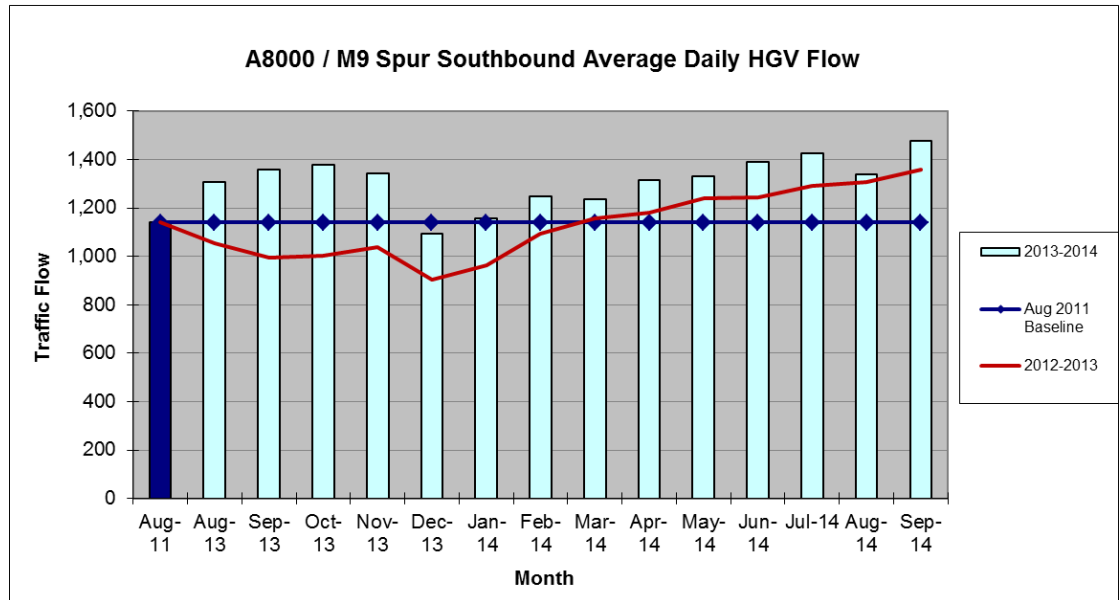
Figure 3-31 Monthly Southbound PM Peak Flows on the A8000 / M9 Spur Southbound



### 3.6.3 Monthly Average HGV Flows

**Table 3-23 Site: JTC00590 Southbound Monthly Average HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	1,139
		Aug-13	1,307
		Sep-13	1,360
		Oct-13	1,378
		Nov-13	1,342
		Dec-13	1,092
		Jan-14	1,156
		Feb-14	1,248
		Mar-14	1,234
		Apr-14	1,315
		May-14	1,331
		Jun-14	1,391
		Jul-14	1,427
		Aug-14	1,339
		Sep-14	1,479
		<b>Annual Average</b>	<b>1,298</b>

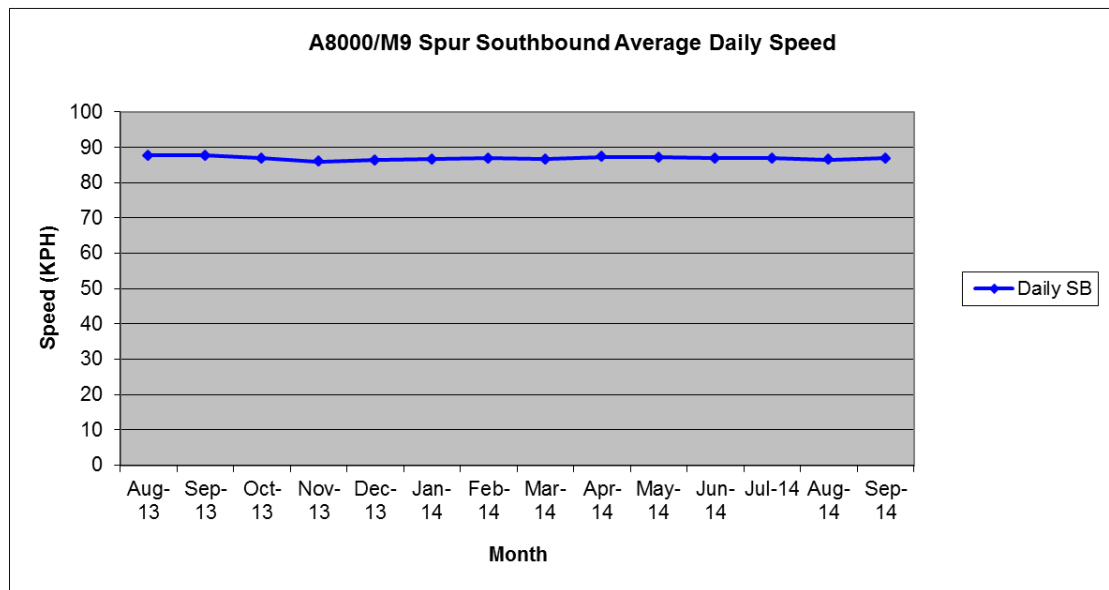


**Figure 3-32 Southbound HGV Traffic Flows on the A8000 / M9 Spur**

### 3.6.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-24 Site: JTC00590 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-13	88
		Sep-13	88
		Oct-13	87
		Nov-13	86
		Dec-13	86
		Jan-14	87
		Feb-14	87
		Mar-14	87
		Apr-14	87
		May-14	87
		Jun-14	87
		Jul-14	87
		Aug-14	86
		Sep-14	87



**Figure 3-33 Average Monthly Traffic Speeds (KPH) on the A8000 / M9 Spur Southbound**

### 3.7 Traffic Counter JTC06450 – A823 (M) M90 Junction 2 Northbound On-Ramp

Summary of statistics between August 2013 and September 2014:

- JTC06450 replaced JTC05478, with data available from December 2012
- Traffic levels have remained relatively consistent since June 2013, with the exception of December 2013 where traffic flows reduced.
- HGV Flows follow a similar pattern to general traffic.

#### 3.7.1 Monthly Average Traffic Flows

**Table 3-3-25 Site: JTC06450 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
JTC06450	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	No Data
		Aug-13	3,131
		Sep-13	3,029
		Oct-13	3,076
		Nov-13	3,082
		Dec-13	2,527
		Jan-14	2,873
		Feb-14	2,954
		Mar-14	3,087
		Apr-14	2,994
		May-14	3,189
		Jun-14	2,957
		Jul-14	3,051
		Aug-14	3,071
		Sep-14	3,249
		<b>Annual Average</b>	<b>2,996</b>

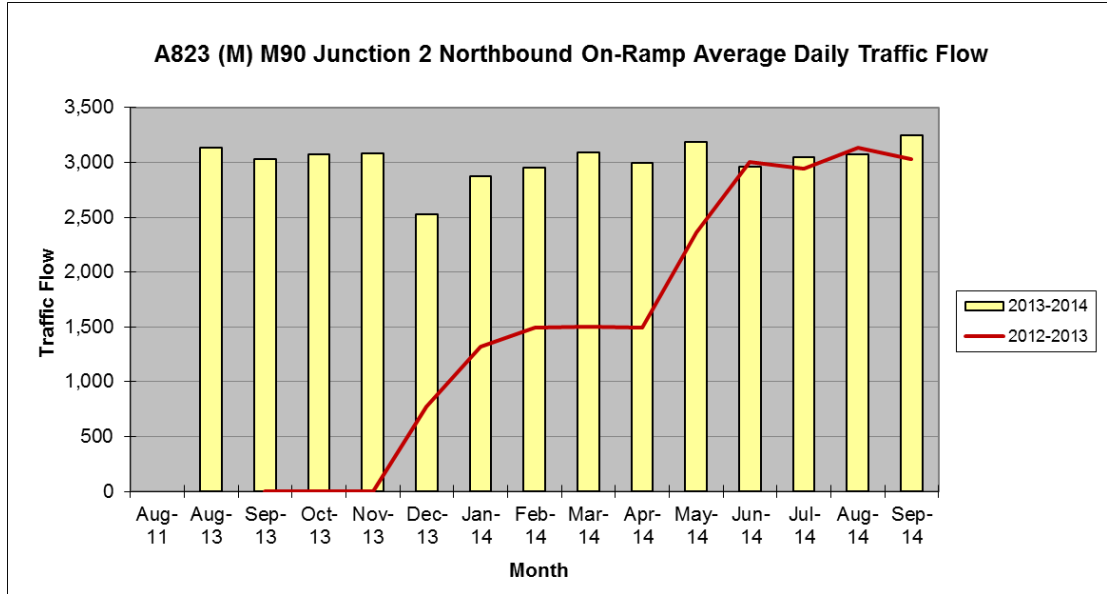


Figure 3-34 Monthly Northbound AADTs on A823 (M) M90 Junction 2 Northbound On-Ramp

### 3.7.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-26 Site: JTC06450 Two Way AM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC06450	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	No Data	No Data
		Aug-13	501	726
		Sep-13	500	706
		Oct-13	498	767
		Nov-13	539	897
		Dec-13	528	874
		Jan-14	491	865
		Feb-14	522	876
		Mar-14	540	898
		Apr-14	475	702
		May-14	513	745
		Jun-14	473	695
		Jul-14	479	718
		Aug-14	492	707
		Sep-14	531	764
		<b>Annual Average</b>	<b>505</b>	<b>789</b>

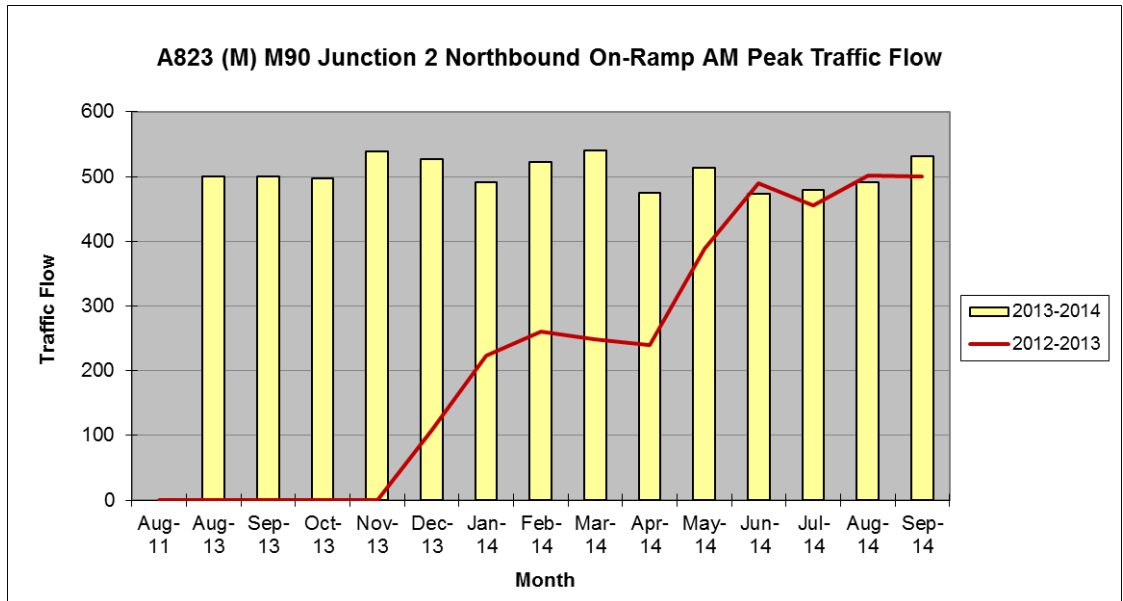


Figure 3-35 Monthly Northbound AM Peak Flows on the A823 (M) M90 Junction 2 Northbound On-Ramp

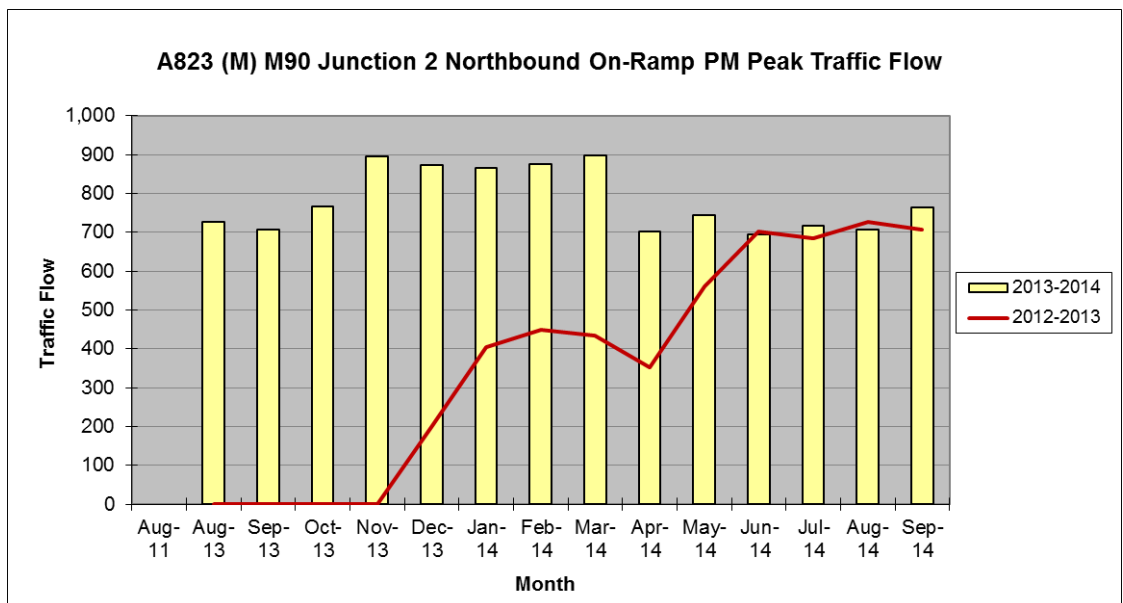


Figure 3-36 Monthly Two Way PM Peak Flows on the A823 (M) M90 Junction 2 Northbound On-Ramp

### 3.7.3 Monthly Average HGV Flows

Table 3-27 Site: JTC06450 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
JTC06450	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	No Data
		Aug-13	37
		Sep-13	38
		Oct-13	35
		Nov-13	38
		Dec-13	33
		Jan-14	32
		Feb-14	34
		Mar-14	37
		Apr-14	34
		May-14	39
		Jun-14	41
		Jul-14	42
		Aug-14	39
Sep-14	38		
		<b>Annual Average</b>	<b>37</b>

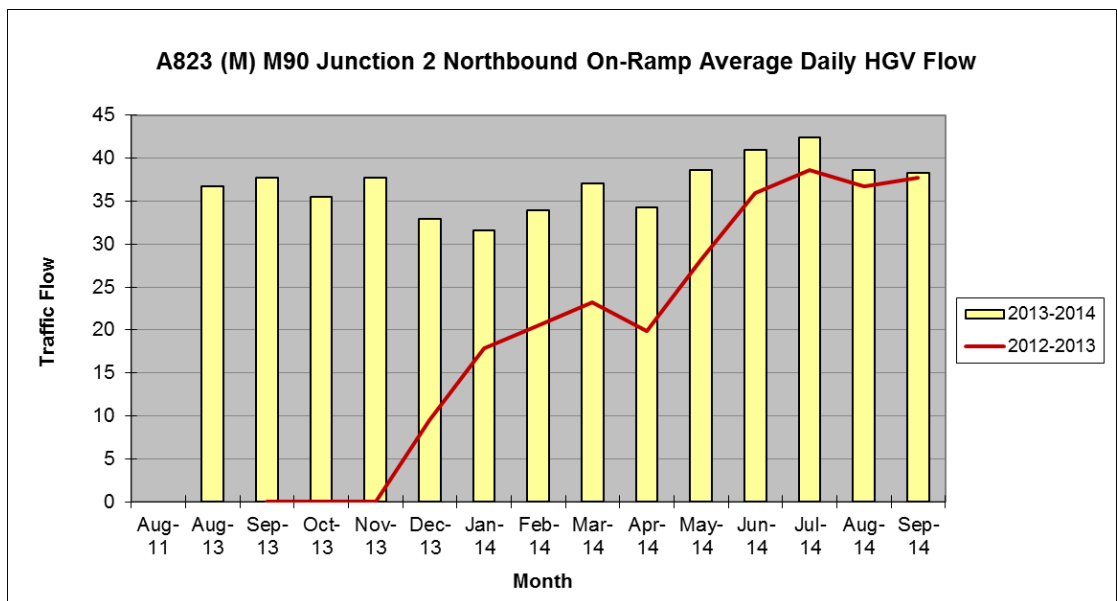
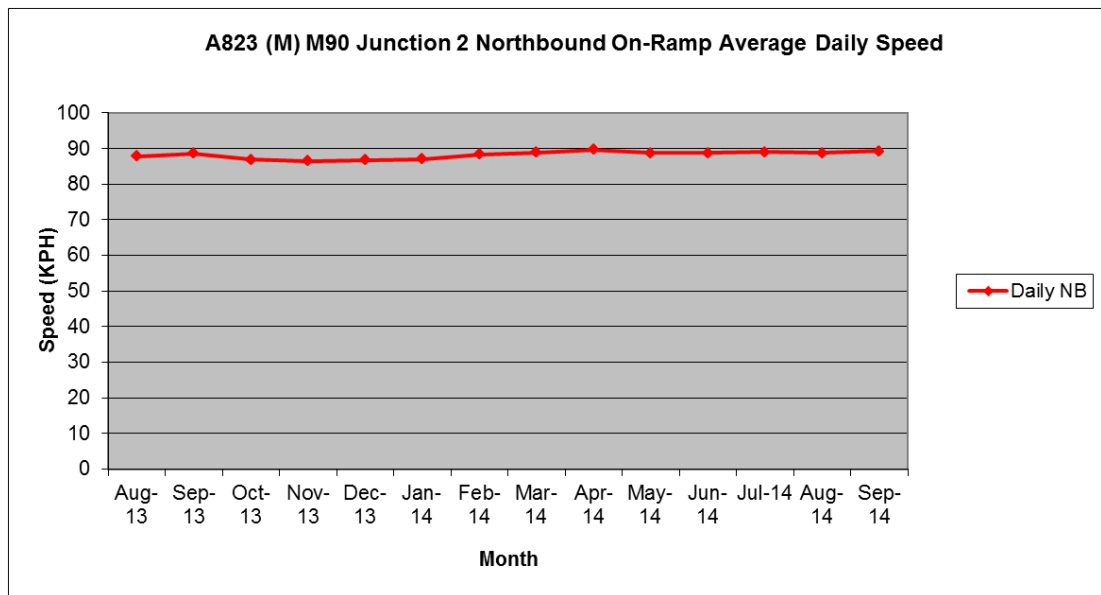


Figure 3-37 Monthly Northbound HGV Traffic Flows on the A823 (M) M90 Junction 2 Northbound On-Ramp

### 3.7.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-28 Site: JTC06450 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
JTC06450	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-13	88
		Sep-13	89
		Oct-13	87
		Nov-13	87
		Dec-13	87
		Jan-14	87
		Feb-14	88
		Mar-14	89
		Apr-14	90
		May-14	89
		Jun-14	89
		Jul-14	89
		Aug-14	89
Sep-14	89		



**Figure 3-38 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 2013 and September 2014:

- Traffic flows are indicative of typical seasonal variation; with higher flows over the summer months.
- Traffic flows were generally higher than those recorded in the previous monitoring period, however were lower than the baseline in every month.

#### 3.8.1 Monthly Average Traffic Flows

**Table 3-3-29 Site: JTC05479 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	3,244
		Aug-13	3,070
		Sep-13	3,060
		Oct-13	3,019
		Nov-13	2,859
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	2,933
		Mar-14	3,005
		Apr-14	2,926
		May-14	3,132
		Jun-14	3,039
		Jul-14	3,033
		Aug-14	3,063
		Sep-14	3,236
		<b>Annual Average</b>	<b>3,008</b>



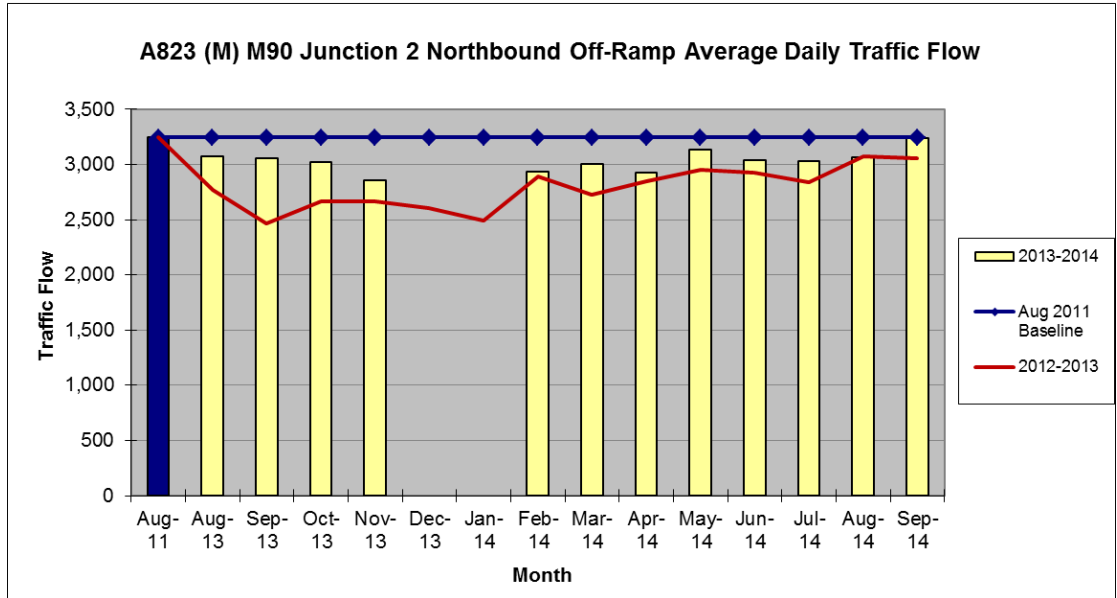


Figure 3-39 Monthly AADTs on the A823 (M) M90 Junction 2 Northbound Off-Ramp

### 3.8.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-30 Site: JTC05479 Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	977	642
		Aug-13	912	575
		Sep-13	953	584
		Oct-13	933	583
		Nov-13	929	542
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	937	553
		Mar-14	955	556
		Apr-14	914	561
		May-14	961	644
		Jun-14	940	570
		Jul-14	891	592
		Aug-14	897	633
Sep-14	1,029	615		
	<b>Annual Average</b>	<b>932</b>	<b>576</b>	

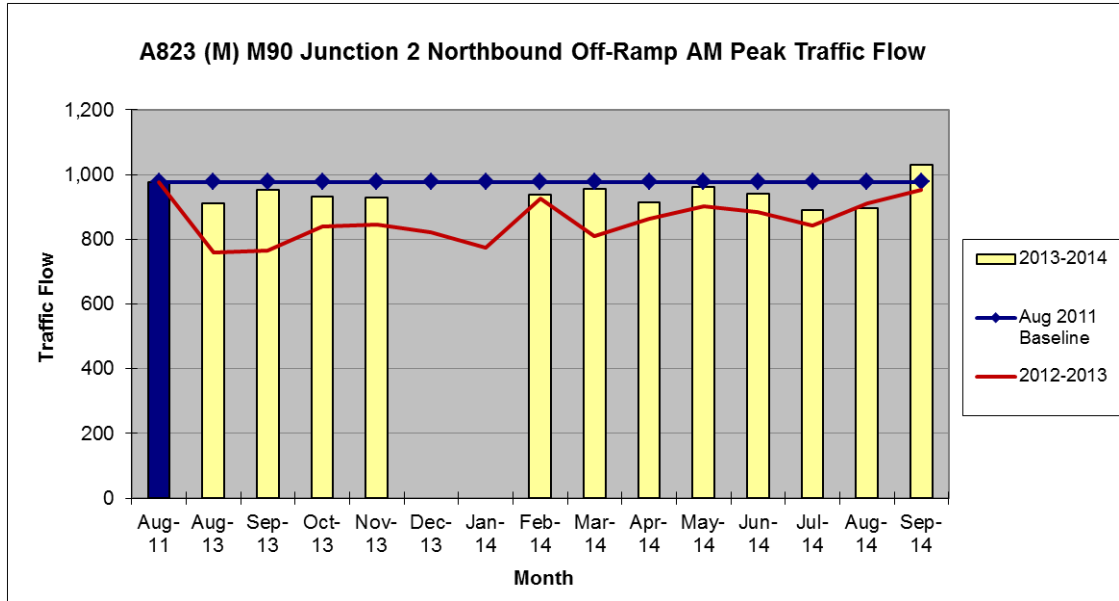


Figure 3-40 Monthly Northbound AM Peak Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

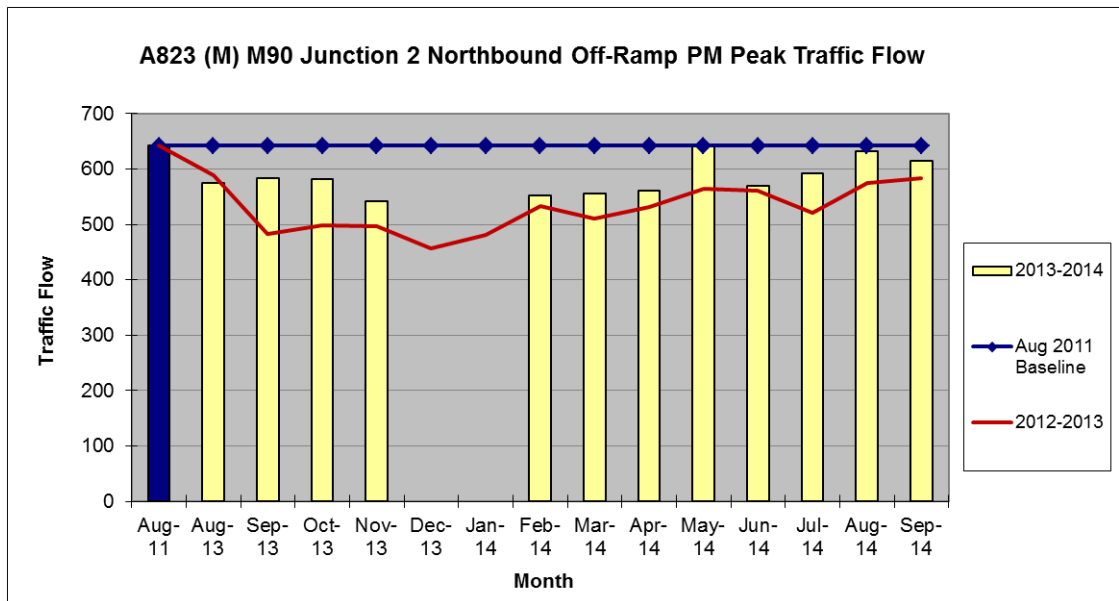


Figure 3-41 Monthly Northbound PM Peak Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

### 3.8.3 Monthly Average HGV Flows

Table 3-31 Site: JTC05479 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-11	37
		Aug-13	24
		Sep-13	23
		Oct-13	22
		Nov-13	23
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	27
		Mar-14	27
		Apr-14	22
		May-14	27
		Jun-14	28
		Jul-14	29
		Aug-14	26
		Sep-14	29
		<b>Annual Average</b>	<b>25</b>

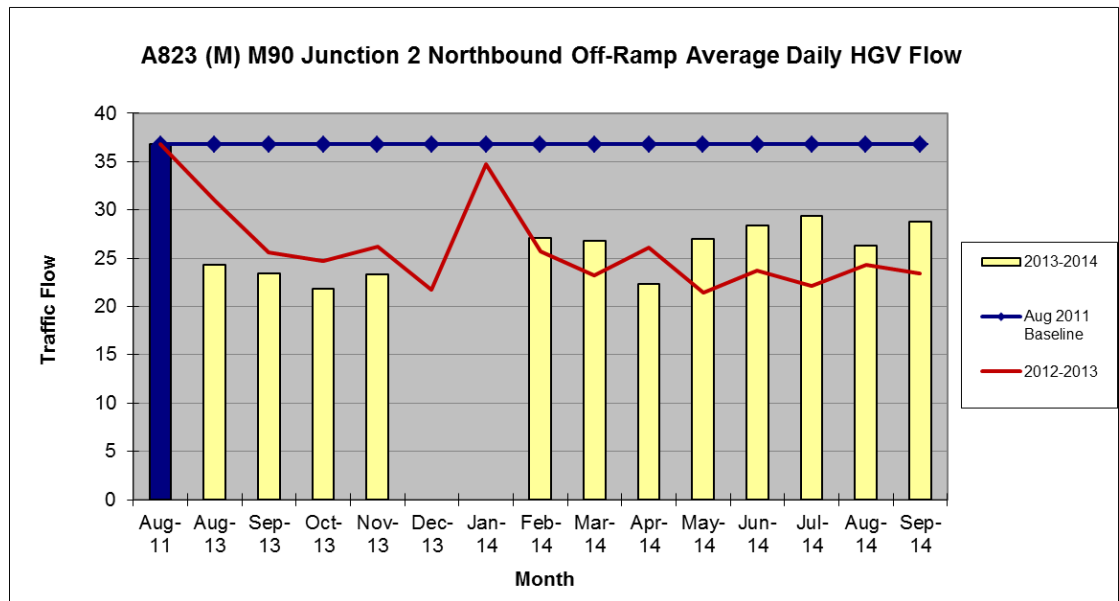
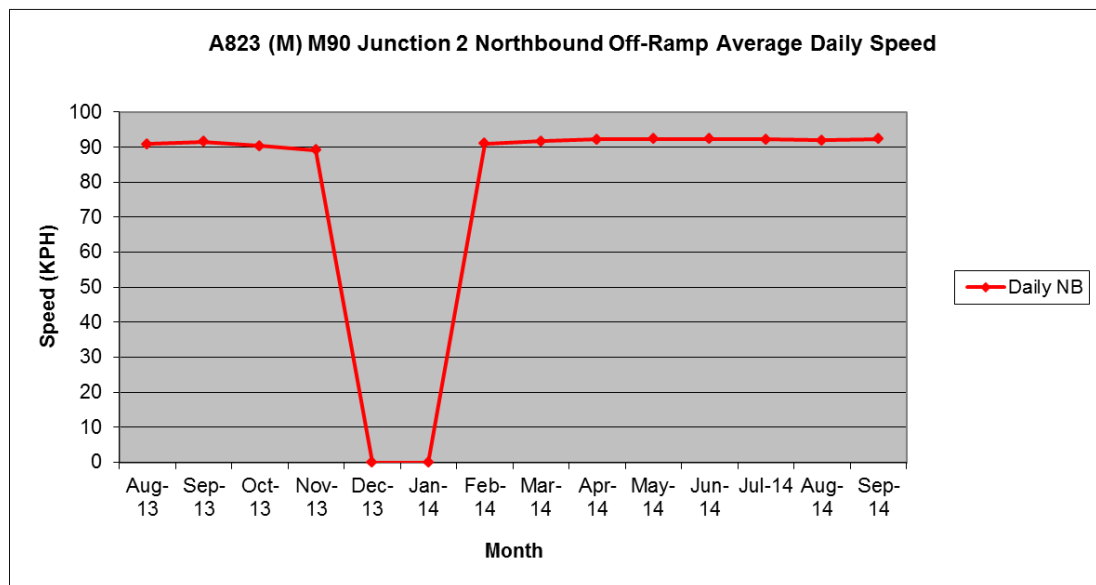


Figure 3-42 Monthly HGV Traffic Flows on the A823 (M) M90 Junction 2 Northbound Off-Ramp

### 3.8.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-32 Site: JTC05479 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
JTC05479	A823 (M) M90 Junction 2 Northbound Off-Ramp	Aug-13	91
		Sep-13	92
		Oct-13	90
		Nov-13	89
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	91
		Mar-14	92
		Apr-14	92
		May-14	92
		Jun-14	92
		Jul-14	92
		Aug-14	92
Sep-14	92		



**Figure 3-43 Average Monthly Traffic Speeds (KPH) on the A823 (M) M90 Junction 2 Northbound Off-Ramp**

### 3.9 Traffic Counter JTC06311 – M90 at J1 Northbound

Summary of statistics between August 2013 and September 2014:

- JTC06311 replaced JTC00481, with data available from December 2012
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January, and higher flows over the summer months.
- Traffic flows are generally higher than the baseline.

#### 3.9.1 Monthly Average Traffic Flows

Table 3-3-33 Site: JTC06311 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
JTC06311	M90 at J1 Northbound	Aug-11	24,497
		Aug-13	28,334
		Sep-13	26,920
		Oct-13	27,135
		Nov-13	26,608
		Dec-13	23,680
		Jan-14	23,332
		Feb-14	25,464
		Mar-14	25,959
		Apr-14	26,716
		May-14	26,991
		Jun-14	27,345
		Jul-14	27,046
		Aug-14	27,556
Sep-14	27,265		
		<b>Annual Average</b>	<b>26,294</b>

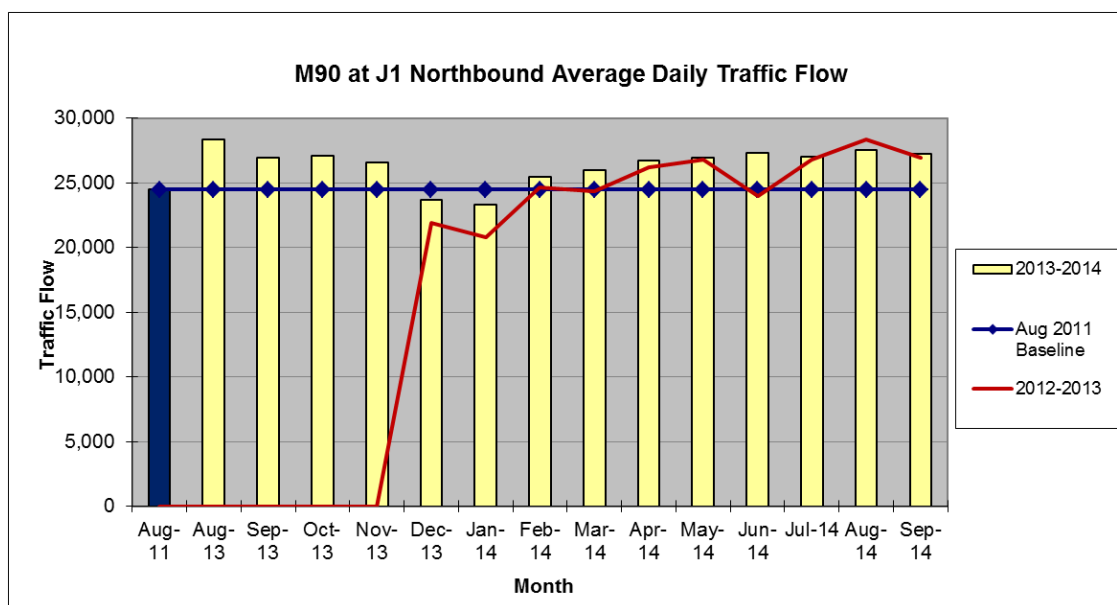
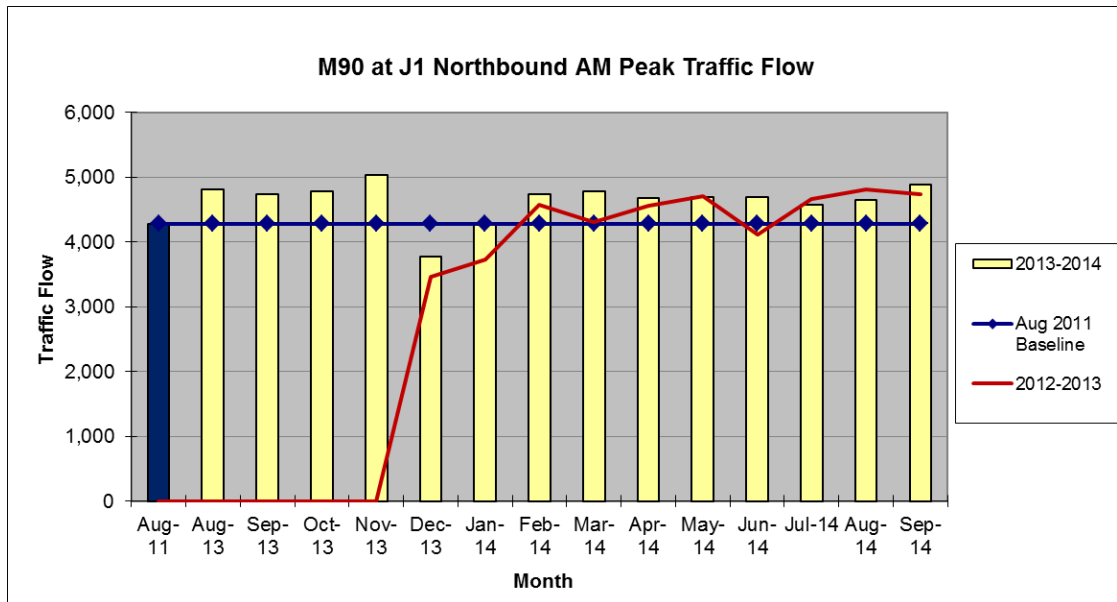


Figure 3-44 Monthly AADTs on the M90 at J1 Northbound

### 3.9.2 Monthly Average AM and PM Peak Traffic Flows

**Table 3-34 Site: JTC06311 Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC06311	M90 at J1 Northbound	Aug-11	4,286	5,646
		Aug-13	4,816	5,905
		Sep-13	4,733	5,598
		Oct-13	4,778	5,860
		Nov-13	5,029	6,889
		Dec-13	3,773	5,826
		Jan-14	4,262	6,067
		Feb-14	4,740	6,581
		Mar-14	4,786	6,471
		Apr-14	4,673	5,427
		May-14	4,687	5,558
		Jun-14	4,699	5,638
		Jul-14	4,573	5,497
		Aug-14	4,648	5,669
		Sep-14	4,881	5,596
	<b>Annual Average</b>	<b>4,629</b>	<b>5,943</b>	



**Figure 3-45 Monthly Average AM Peak Flows on the M90 at J1 Northbound**

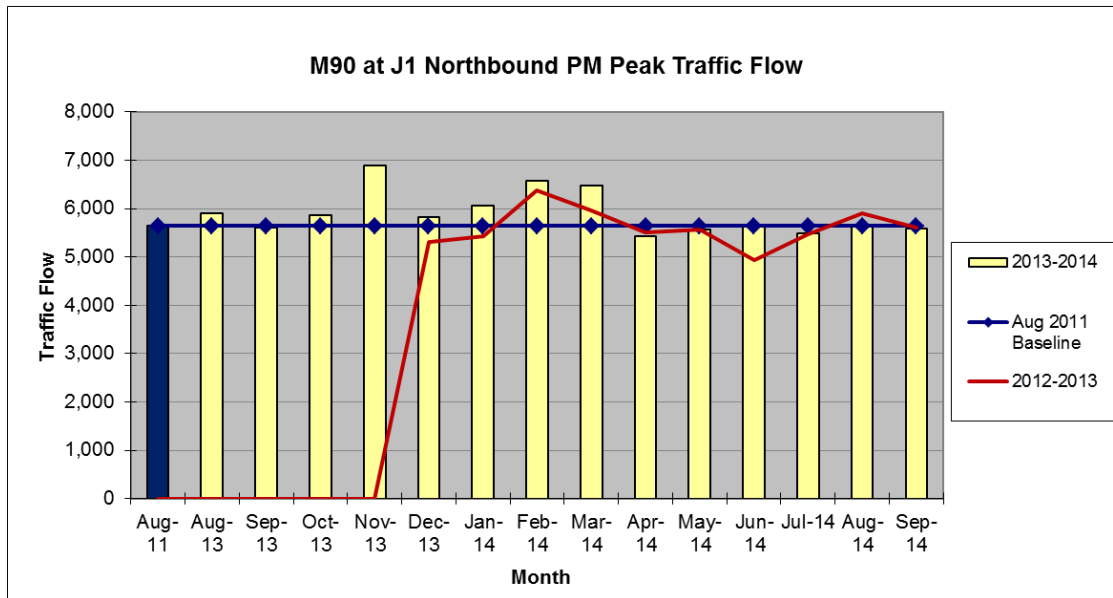


Figure 3-46 Monthly Average PM Peak Flows on the M90 at J1 Northbound

### 3.9.3 Monthly Average HGV Flows

Table 3-35 Site: JTC006322 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
JTC06311	M90 at J1 Northbound	Aug-11	1,206
		Aug-13	1,285
		Sep-13	1,139
		Oct-13	868
		Nov-13	1,109
		Dec-13	813
		Jan-14	926
		Feb-14	1,023
		Mar-14	950
		Apr-14	936
		May-14	873
		Jun-14	888
		Jul-14	952
		Aug-14	1,036
Sep-14	1,195		
<b>Annual Average</b>			<b>980</b>

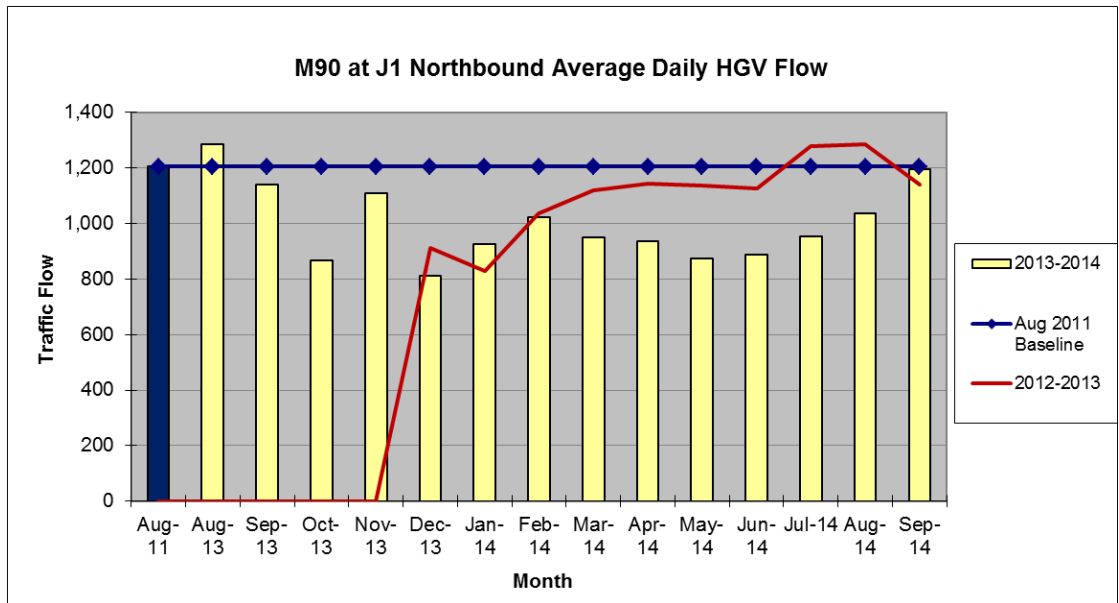


Figure 3-47 Monthly Average HGVS Traffic Flows on the M90 at J1 Northbound

### 3.9.4 Monthly Average All Vehicles Traffic Speeds

Table 3-36 Site: JTC06311 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB
JTC06311	M90 at J1 Northbound	Aug-13	101
		Sep-13	101
		Oct-13	99
		Nov-13	100
		Dec-13	100
		Jan-14	99
		Feb-14	99
		Mar-14	100
		Apr-14	100
		May-14	100
		Jun-14	100
		Jul-14	99
		Aug-14	99
Sep-14	99		



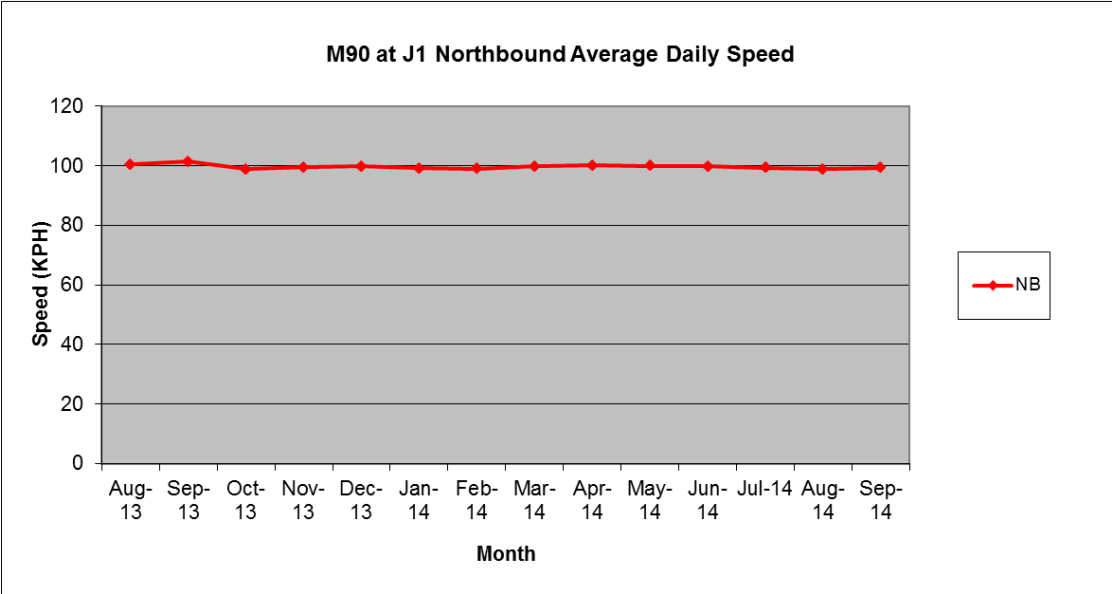


Figure 3-48 Average Monthly Traffic Speeds (KPH) on the M90 at J1 Northbound

### 3.10 Traffic Counter JTC06322 – M90 at J1 Southbound

Summary of statistics between August 2013 and September 2014:

- JTC06322 replaced JTC00480, with data available from December 2012
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January, and higher flows over the summer months.
- Traffic flows follow a similar pattern to the previous monitoring period, however are lower than the baseline.

#### 3.10.1 Monthly Average Traffic Flows

**Table 3-3-37 Site: JTC06322 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
JTC06322	M90 at J1 Southbound	Aug-11	30,058
		Aug-13	28,719
		Sep-13	25,776
		Oct-13	25,976
		Nov-13	25,112
		Dec-13	22,523
		Jan-14	22,569
		Feb-14	24,320
		Mar-14	24,931
		Apr-14	25,975
		May-14	26,013
		Jun-14	26,657
		Jul-14	26,176
		Aug-14	27,497
Sep-14	26,771		
		<b>Annual Average</b>	<b>25,396</b>

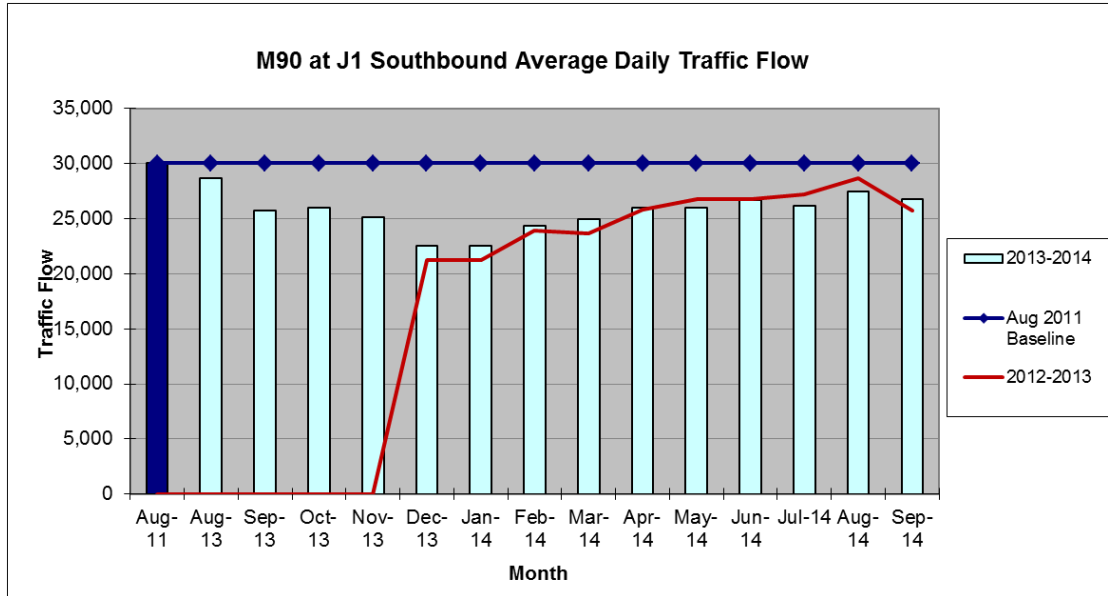


Figure 3-49 Monthly Southbound AADTs on M90 at J1 Southbound

### 3.10.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-38 Site: JTC06322 Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC06322	M90 at J1 Southbound	Aug-11	5,731	6,437
		Aug-13	5,218	5,194
		Sep-13	4,626	4,659
		Oct-13	4,752	4,730
		Nov-13	4,590	5,512
		Dec-13	3,778	4,675
		Jan-14	4,156	4,895
		Feb-14	4,546	5,273
		Mar-14	4,560	5,421
		Apr-14	4,633	4,612
		May-14	4,699	4,573
		Jun-14	4,808	4,618
		Jul-14	4,688	4,410
		Aug-14	4,890	4,803
		Sep-14	4,790	4,891
		<b>Annual Average</b>	<b>4,588</b>	<b>4,881</b>

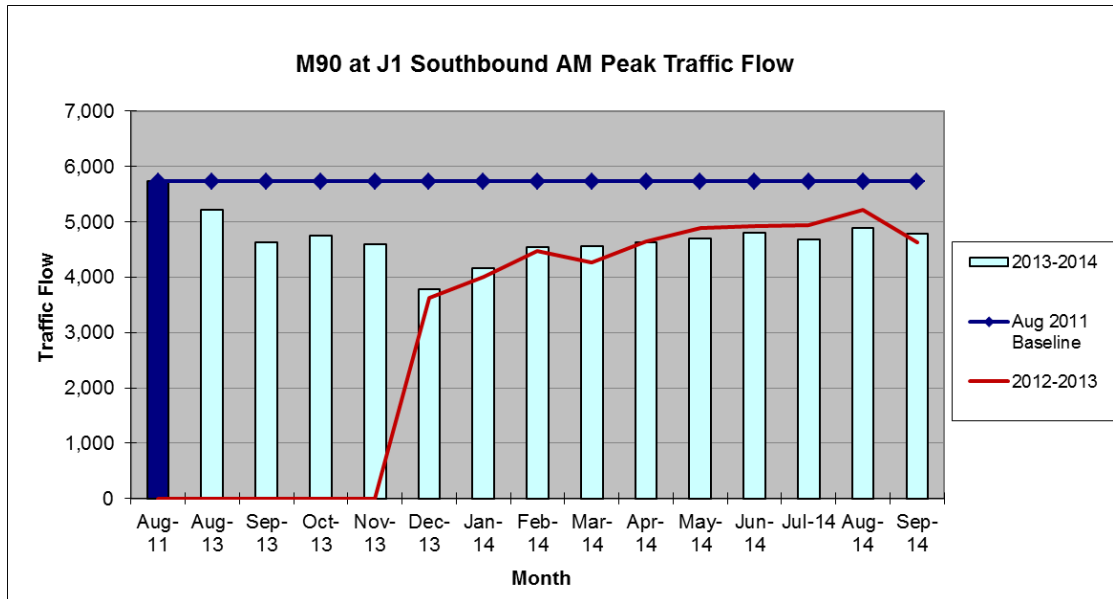


Figure 3-50 Monthly AM Peak Flows on the M90 at J1 Southbound

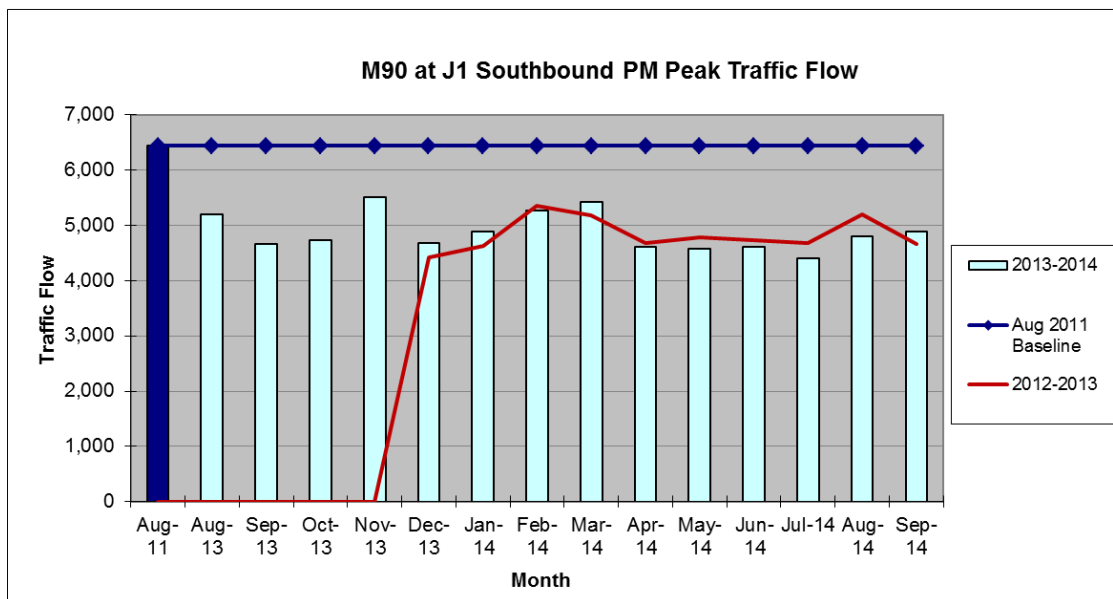
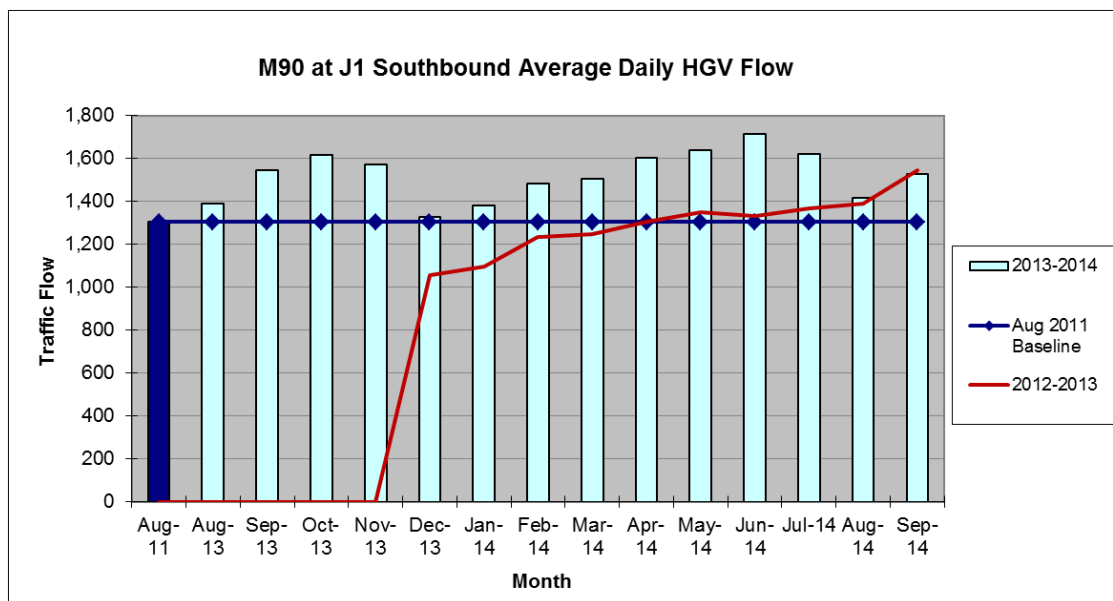


Figure 3-51 Monthly PM Peak Flows on the M9 Southbound

### 3.10.3 Monthly Average HGV Flows

**Table 3-39 Site: JTC006322 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
JTC06322	M90 at J1 Southbound	Aug-11	1,305
		Aug-13	1,391
		Sep-13	1,545
		Oct-13	1,615
		Nov-13	1,574
		Dec-13	1,329
		Jan-14	1,384
		Feb-14	1,484
		Mar-14	1,506
		Apr-14	1,606
		May-14	1,642
		Jun-14	1,714
		Jul-14	1,624
		Aug-14	1,417
Sep-14	1,529		
		<b>Annual Average</b>	<b>1,534</b>

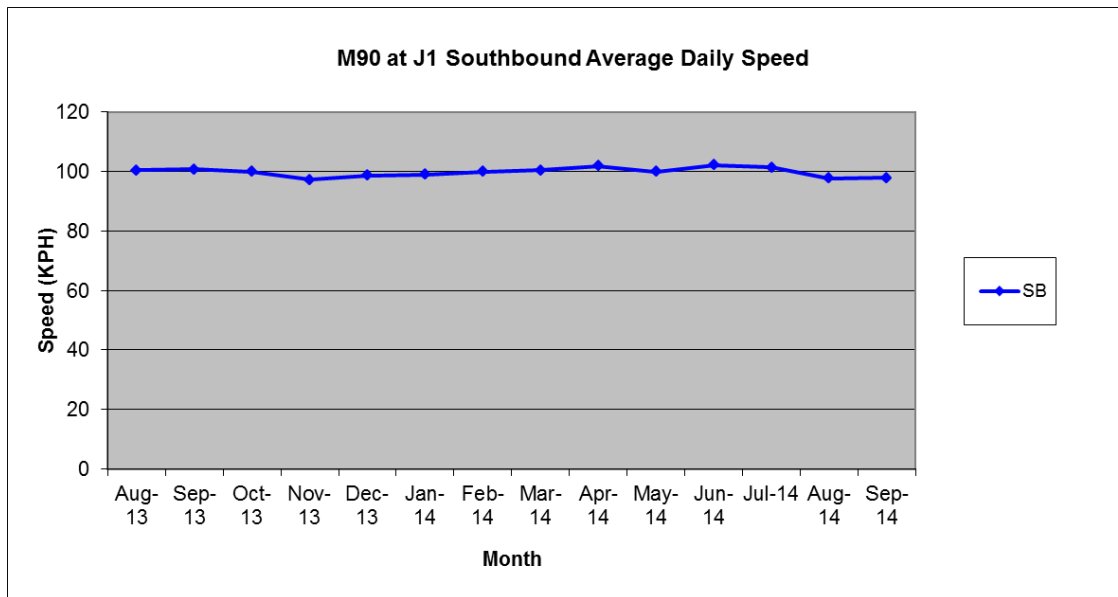


**Figure 3-52 Monthly Average HGV Traffic Flows on the M90 at J1 Southbound**

### 3.10.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-40 Site: JTC06322 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
JTC06322	M90 at J1 Southbound	Aug-13	100
		Sep-13	101
		Oct-13	100
		Nov-13	97
		Dec-13	99
		Jan-14	99
		Feb-14	100
		Mar-14	100
		Apr-14	102
		May-14	100
		Jun-14	102
		Jul-14	101
		Aug-14	98
		Sep-14	98



**Figure 3-53 Average Monthly Traffic Speeds (KPH) on the M90 at J1 Southbound**

### 3.11 Traffic Counter NTC01051 – M90 South of J2 Admiralty Southbound

Summary of statistics between August 2013 and September 2014:

- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January, and higher flows over the summer months.
- Traffic flows follow a similar pattern to the previous monitoring period, however they are slightly higher than those recorded in 2012-2013.
- HGV flows follow a similar pattern to general traffic.

#### 3.11.1 Monthly Average Traffic Flows

**Table 3-3-41 Site: NTC01051 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01051	M90 South of J2 Admiralty Southbound	Aug-11	35,475
		Aug-13	35,250
		Sep-13	No Data
		Oct-13	No Data
		Nov-13	31,502
		Dec-13	28,438
		Jan-14	23,810
		Feb-14	30,701
		Mar-14	31,972
		Apr-14	33,061
		May-14	33,401
		Jun-14	34,327
		Jul-14	34,979
		Aug-14	35,787
		Sep-14	30,592
		<b>Annual Average</b>	31,744

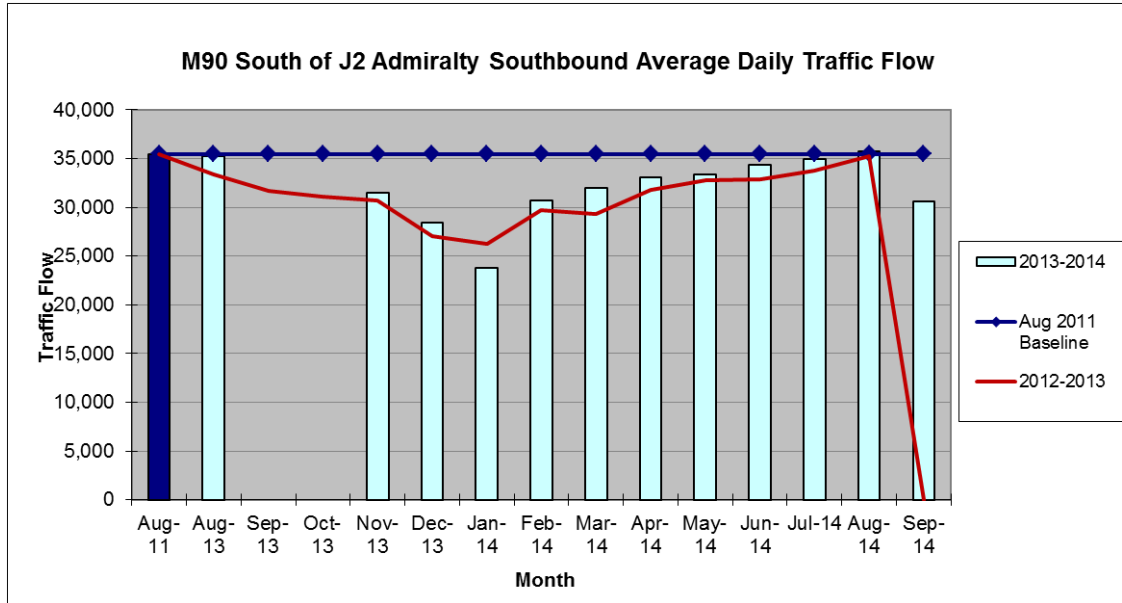


Figure 3-54 Monthly Southbound AADTs on the M90 South of J2 Admiralty Southbound

### 3.11.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-42 Site: NTC01051 Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01051	M90 South of J2 Admiralty Southbound	Aug-11	6,775	7,689
		Aug-13	6,679	7,566
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	6,177	6,755
		Dec-13	5,107	5,752
		Jan-14	4,699	4,897
		Feb-14	6,183	6,613
		Mar-14	6,387	6,891
		Apr-14	6,254	7,162
		May-14	6,301	7,073
		Jun-14	6,574	7,158
		Jul-14	6,547	7,184
		Aug-14	6,558	7,419
Sep-14	5,912	6,568		
	<b>Annual Average</b>	<b>6,091</b>	<b>6,705</b>	



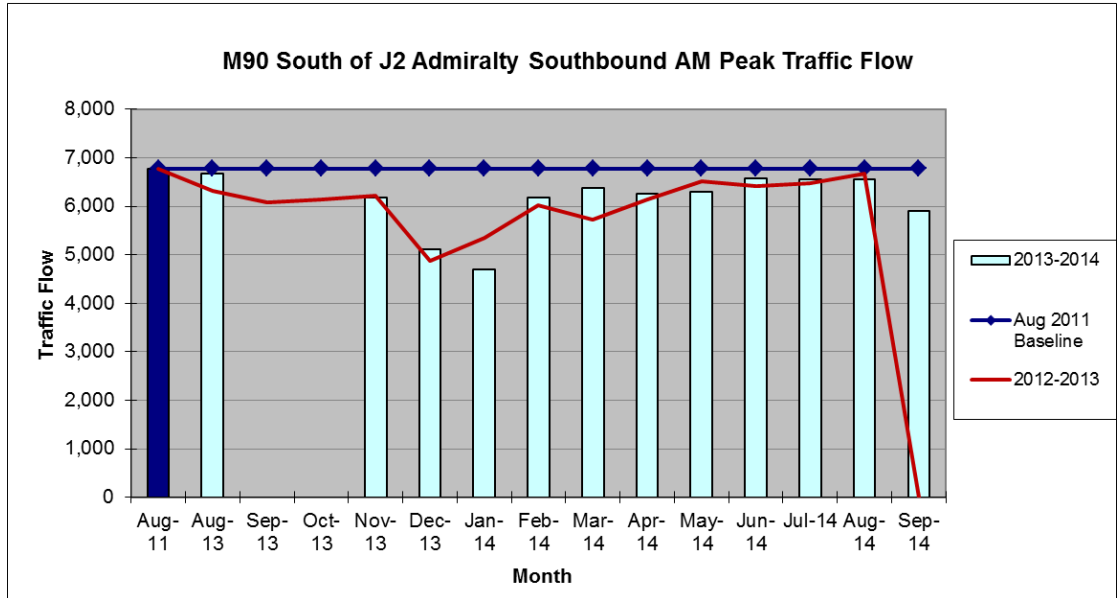


Figure 3-55 Monthly AM Peak Flows on the M90 South of J2 Admiralty Southbound

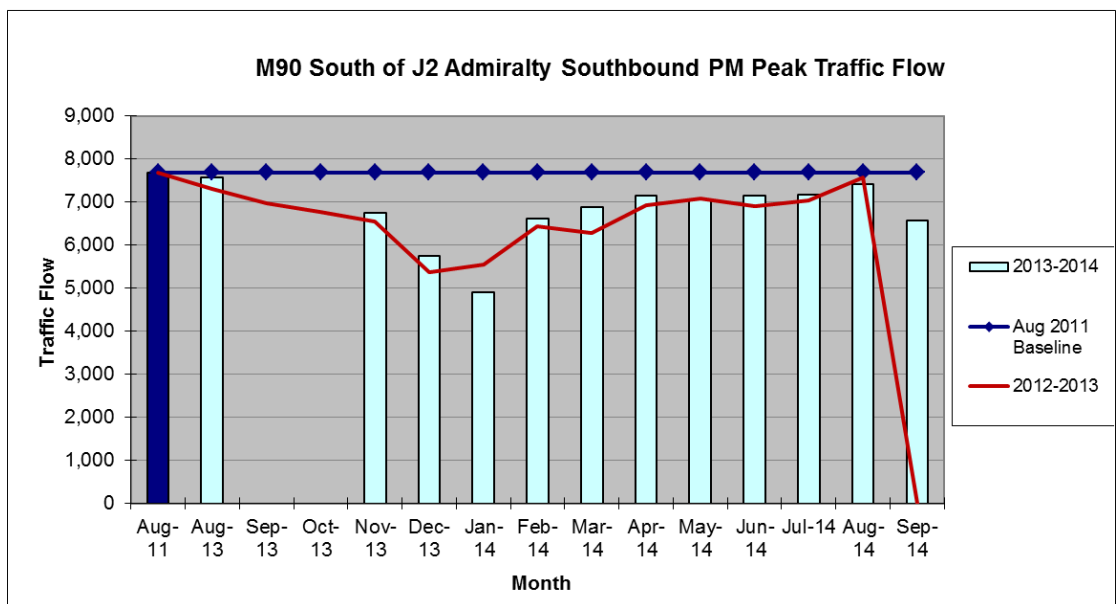
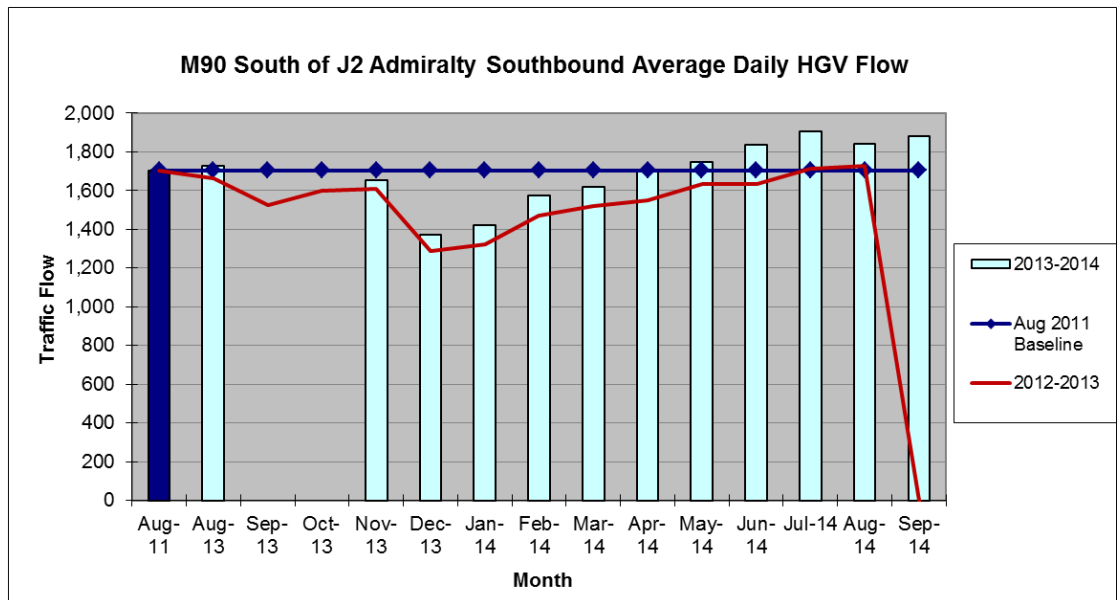


Figure 3-56 Monthly PM Peak Flows on the M90 South of J2 Admiralty Southbound

### 3.11.3 Monthly Average HGV Flows

**Table 3-43 Site: NTC01051 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01051	M90 South of J2 Admiralty Southbound	Aug-11	1,705
		Aug-13	1,729
		Sep-13	No Data
		Oct-13	No Data
		Nov-13	1,654
		Dec-13	1,372
		Jan-14	1,421
		Feb-14	1,575
		Mar-14	1,618
		Apr-14	1,707
		May-14	1,749
		Jun-14	1,839
		Jul-14	1,904
		Aug-14	1,844
Sep-14	1,884		
<b>Annual Average</b>			1,657

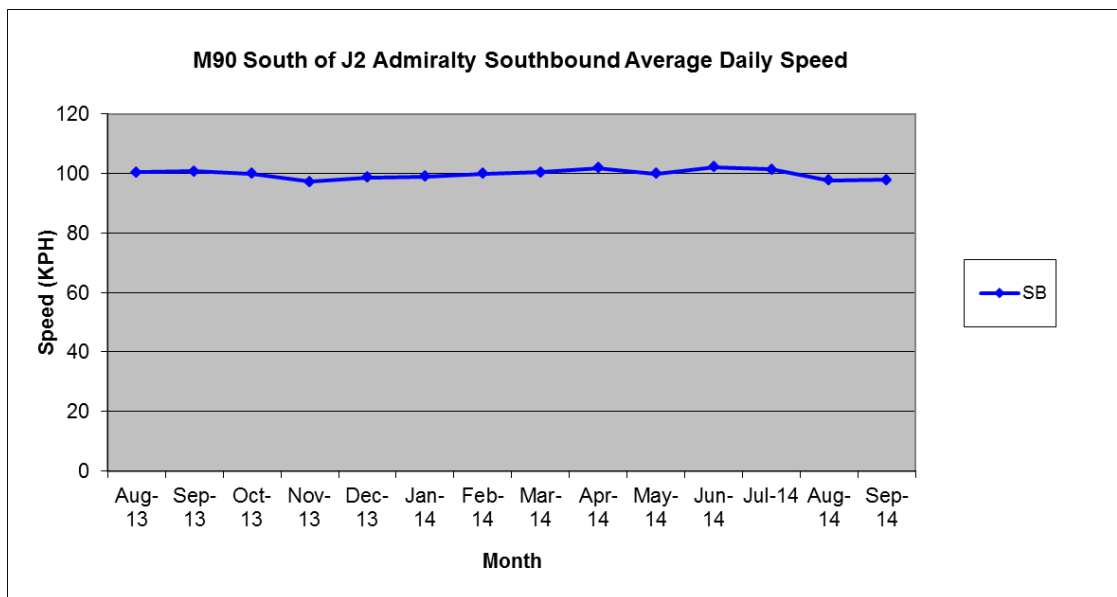


**Figure 3-57 Monthly Average HGV Traffic Flows on the M90 South of J2 Admiralty Southbound**

### 3.11.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-44 Site: NTC01051 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01051	M90 South of J2 Admiralty Southbound	Aug-13	100
		Sep-13	101
		Oct-13	100
		Nov-13	97
		Dec-13	99
		Jan-14	99
		Feb-14	100
		Mar-14	100
		Apr-14	102
		May-14	100
		Jun-14	102
		Jul-14	101
		Aug-14	98
		Sep-14	98



**Figure 3-58 Average Monthly Traffic Speeds (KPH) on the M90 South of J2 Admiralty Southbound**

### 3.12 Traffic Counter NTC01050 – M90 South of J2 Admiralty Southbound

Summary of statistics between August 2013 and September 2014:

- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January, and higher flows over the summer months.
- Traffic flows follow a similar pattern to the previous monitoring period, however they are slightly higher than those recorded in 2012-2013.

#### 3.12.1 Monthly Average Traffic Flows

**Table 3-3-45 Site: NTC01050 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01050	M90 South of J2 Admiralty Southbound	Aug-11	35,180
		Aug-13	34,909
		Sep-13	31,341
		Oct-13	30,901
		Nov-13	30,752
		Dec-13	28,228
		Jan-14	27,861
		Feb-14	30,710
		Mar-14	31,741
		Apr-14	32,814
		May-14	33,163
		Jun-14	34,081
		Jul-14	34,733
		Aug-14	35,556
		Sep-14	33,782
		<b>Annual Average</b>	<b>31,769</b>

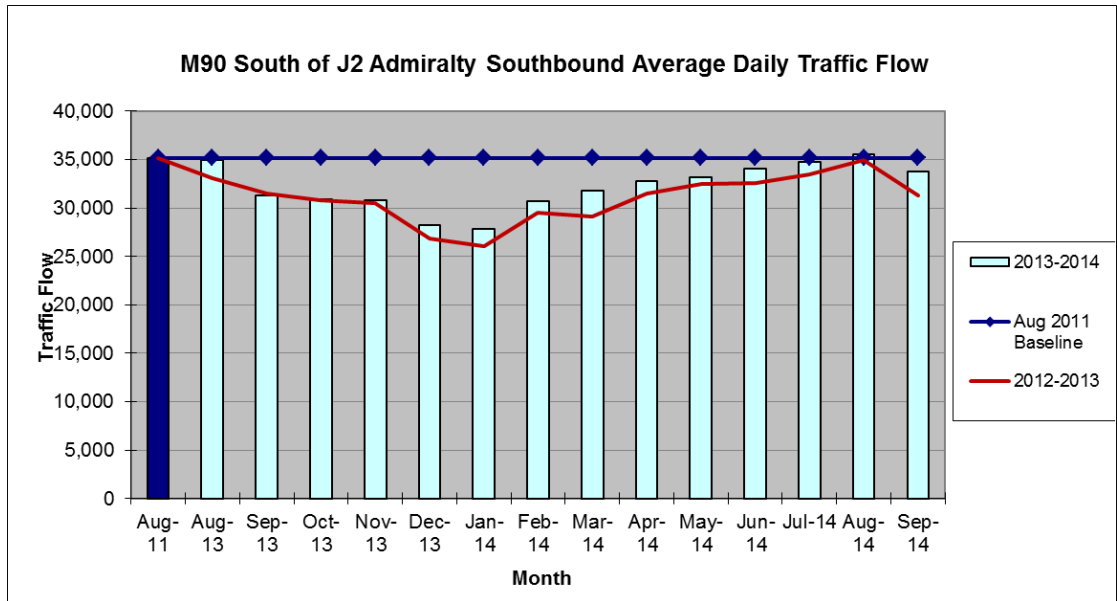


Figure 3-59 Monthly Southbound AADTs on the M90 South of J2 Admiralty Southbound

### 3.12.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-46 Site: NTC01050 Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01050	M90 South of J2 Admiralty Southbound	Aug-11	6,740	7,631
		Aug-13	6,589	7,470
		Sep-13	5,777	6,946
		Oct-13	5,849	6,746
		Nov-13	6,003	6,692
		Dec-13	5,088	5,723
		Jan-14	5,472	6,010
		Feb-14	6,203	6,583
		Mar-14	6,366	6,855
		Apr-14	6,225	7,129
		May-14	6,278	7,048
		Jun-14	6,552	7,124
		Jul-14	6,513	7,161
		Aug-14	6,531	7,404
		Sep-14	6,486	7,335
	<b>Annual Average</b>	<b>6,076</b>	<b>6,791</b>	

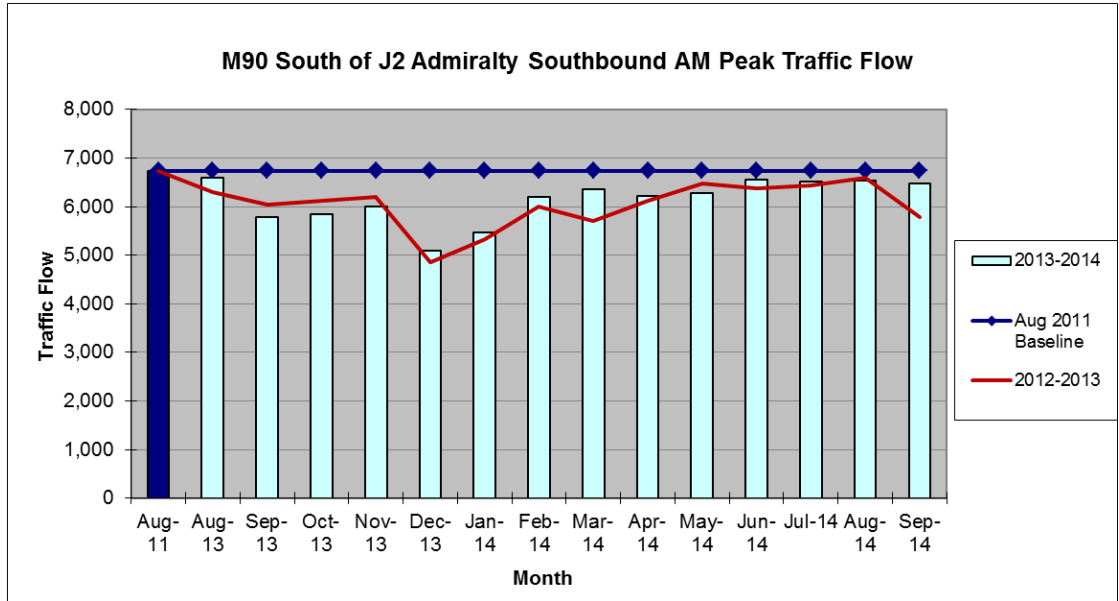


Figure 3-60 Monthly AM Peak Flows on the M90 South of J2 Admiralty Southbound

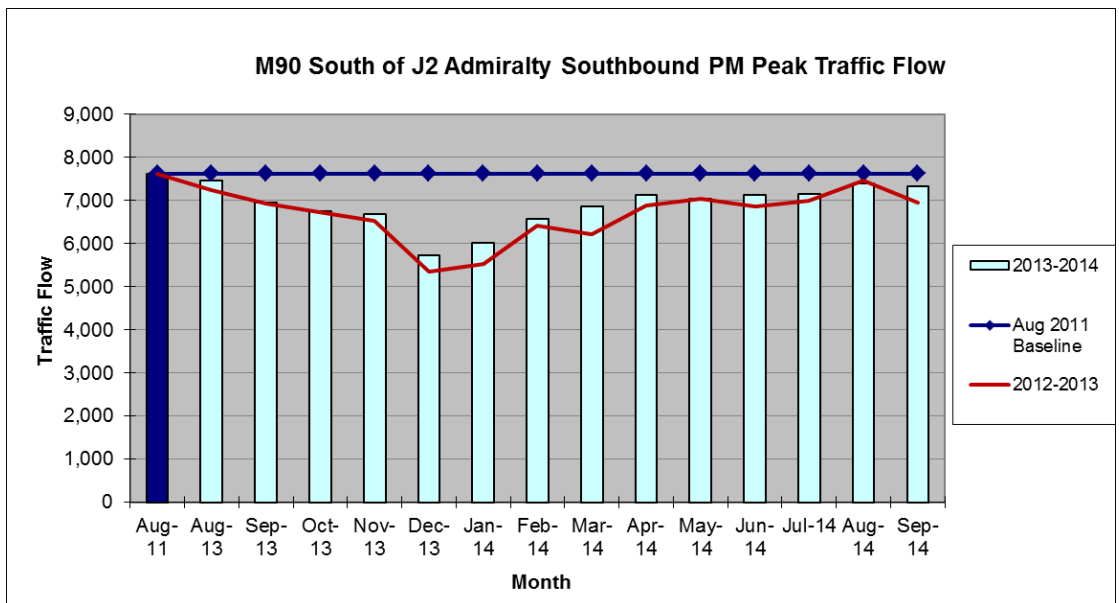


Figure 3-61 Monthly PM Peak Flows on the M90 South of J2 Admiralty Southbound

### 3.12.3 Monthly Average HGV Flows

Table 3-47 Site: NTC01050 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
NTC01050	M90 South of J2 Admiralty Southbound	Aug-11	1,491
		Aug-13	1,493
		Sep-13	1,428
		Oct-13	1,443
		Nov-13	1,435
		Dec-13	1,225
		Jan-14	1,282
		Feb-14	1,395
		Mar-14	1,441
		Apr-14	1,500
		May-14	1,538
		Jun-14	1,614
		Jul-14	1,656
		Aug-14	1,615
		Sep-14	1,670
		<b>Annual Average</b>	<b>1,454</b>

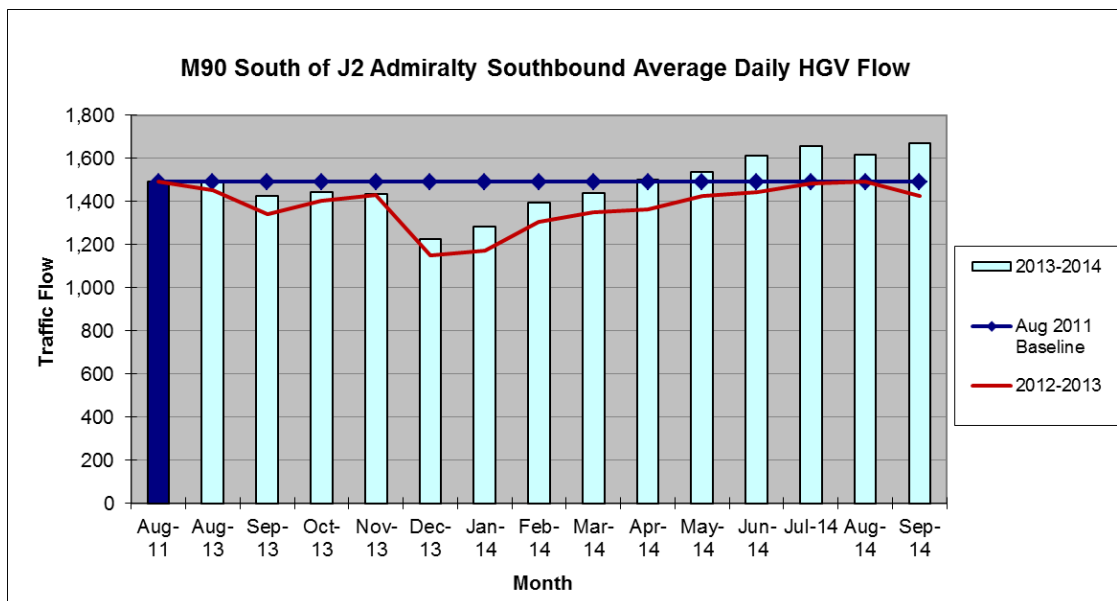
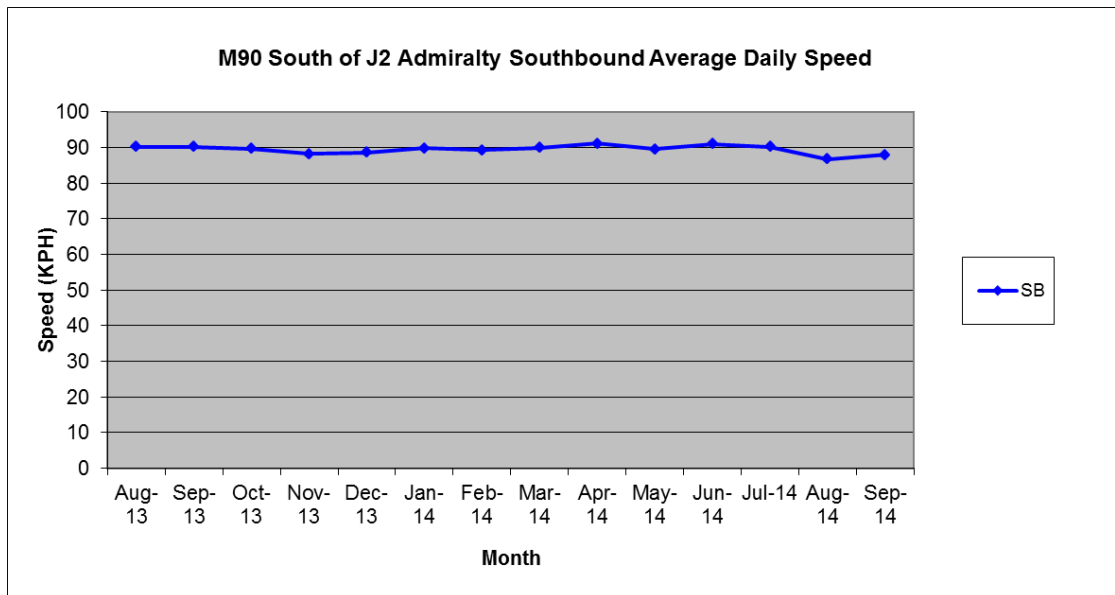


Figure 3-62 Monthly Average HGV Traffic Flows on the M90 South of J2 Admiralty Southbound

### 3.12.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-48 Site: NTC01050 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01050	M90 South of J2 Admiralty Southbound	Aug-13	90
		Sep-13	90
		Oct-13	90
		Nov-13	88
		Dec-13	89
		Jan-14	90
		Feb-14	89
		Mar-14	90
		Apr-14	91
		May-14	90
		Jun-14	91
		Jul-14	90
		Aug-14	87
Sep-14	88		



**Figure 3-63 Average Monthly Traffic Speeds (KPH) on the M90 South of J2 Admiralty Southbound**



### 3.13 Traffic Counter NTCNT005 – M90 South of J1 Southbound

Summary of statistics between August 2013 and September 2014:

- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January, and higher flows over the summer months.
- Traffic flows follow a similar pattern to the previous monitoring period, however they are slightly higher than those recorded in 2012-2013.

#### 3.13.1 Monthly Average Traffic Flows

**Table 3-3-49 Site: NTCNT005 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTCNT005	M90 South of J1 Southbound	Aug-11	39,686
		Aug-13	39,410
		Sep-13	37,486
		Oct-13	36,756
		Nov-13	36,019
		Dec-13	32,026
		Jan-14	32,077
		Feb-14	35,090
		Mar-14	35,929
		Apr-14	37,183
		May-14	37,110
		Jun-14	38,636
		Jul-14	38,711
		Aug-14	39,717
		Sep-14	38,508
		<b>Annual Average</b>	<b>36,369</b>

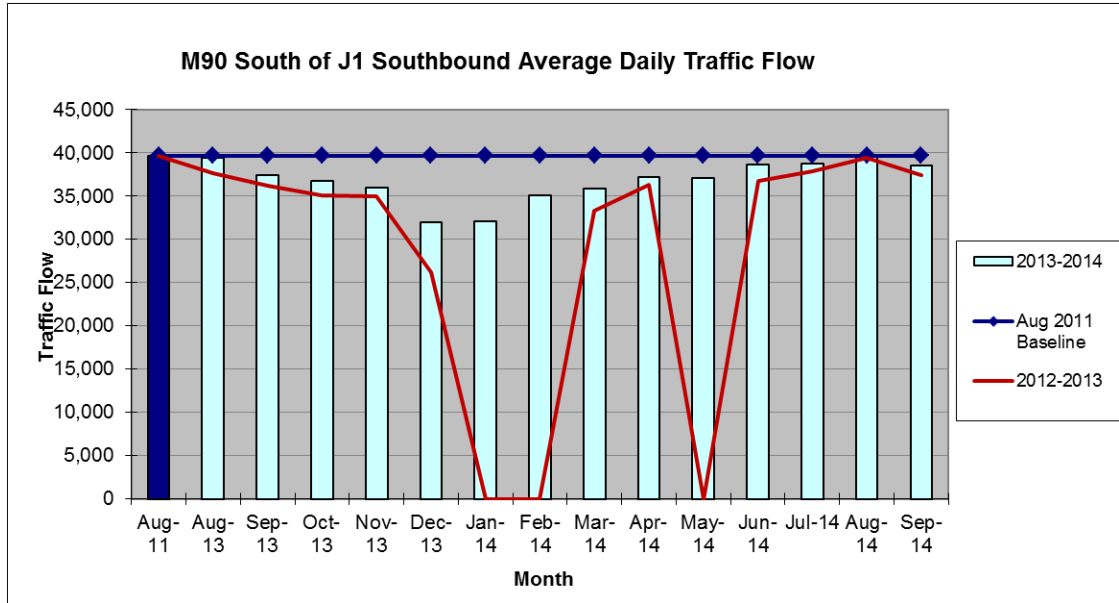


Figure 3-64 Monthly Southbound AADTs on the M90 South of J1 Southbound

### 3.13.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-50 Site: NTCNT005 Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTCNT005	M90 South of J1 Southbound	Aug-11	7,918	8,599
		Aug-13	7,614	8,525
		Sep-13	7,574	8,266
		Oct-13	7,489	8,051
		Nov-13	7,549	7,847
		Dec-13	6,014	6,539
		Jan-14	6,701	6,989
		Feb-14	7,382	7,629
		Mar-14	7,416	7,864
		Apr-14	7,267	8,217
		May-14	7,607	7,988
		Jun-14	7,727	8,250
		Jul-14	7,341	8,228
		Aug-14	7,391	8,578
		Sep-14	7,811	8,611
	<b>Annual Average</b>	<b>7,307</b>	<b>7,866</b>	

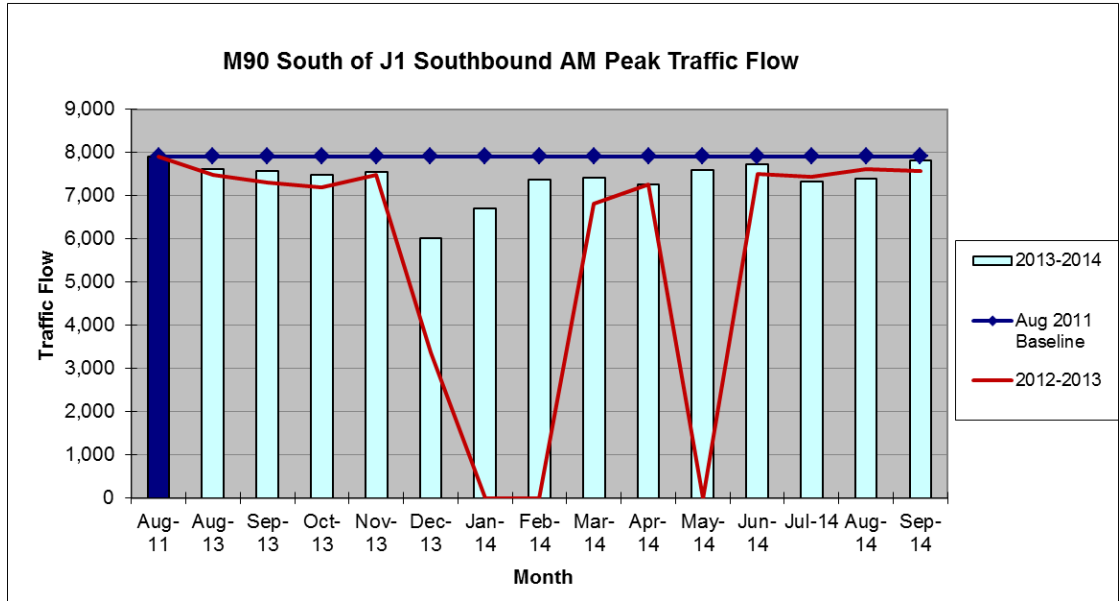


Figure 3-65 Monthly AM Peak Flows on the M90 South of J1 Southbound

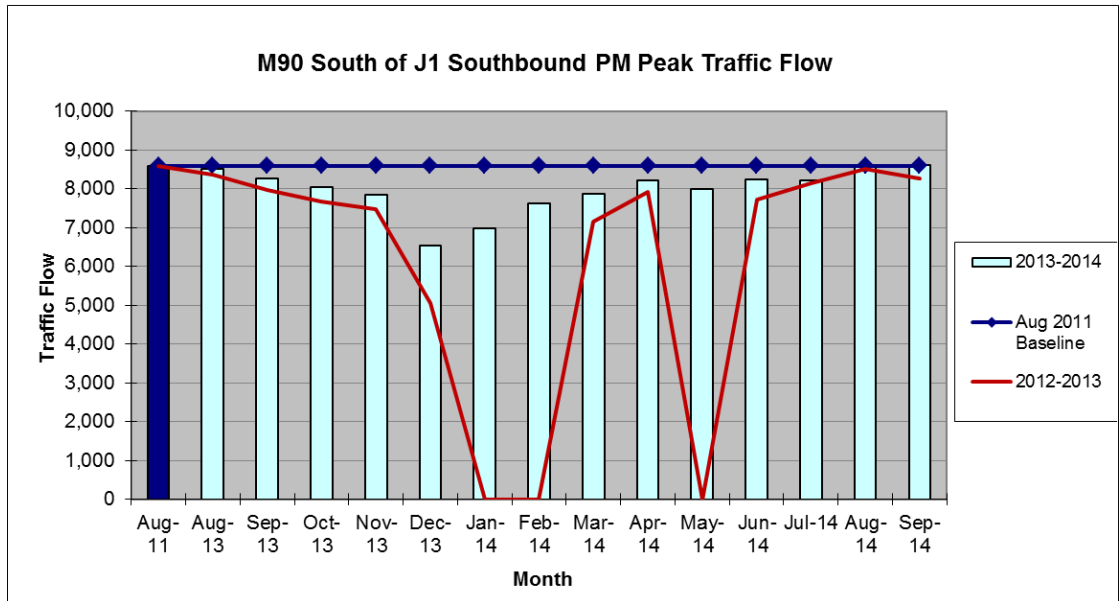


Figure 3-66 Monthly PM Peak Flows on the M90 South of J1 Southbound

### 3.13.3 Monthly Average HGV Flows

Table 3-51 Site: NTCNT005 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
NTCNT005	M90 South of J1 Southbound	Aug-11	1,968
		Aug-13	1,942
		Sep-13	1,914
		Oct-13	1,951
		Nov-13	1,986
		Dec-13	1,621
		Jan-14	1,650
		Feb-14	1,760
		Mar-14	1,769
		Apr-14	1,903
		May-14	1,986
		Jun-14	2,029
		Jul-14	2,091
		Aug-14	2,017
Sep-14	2,130		
		<b>Annual Average</b>	<b>1,883</b>

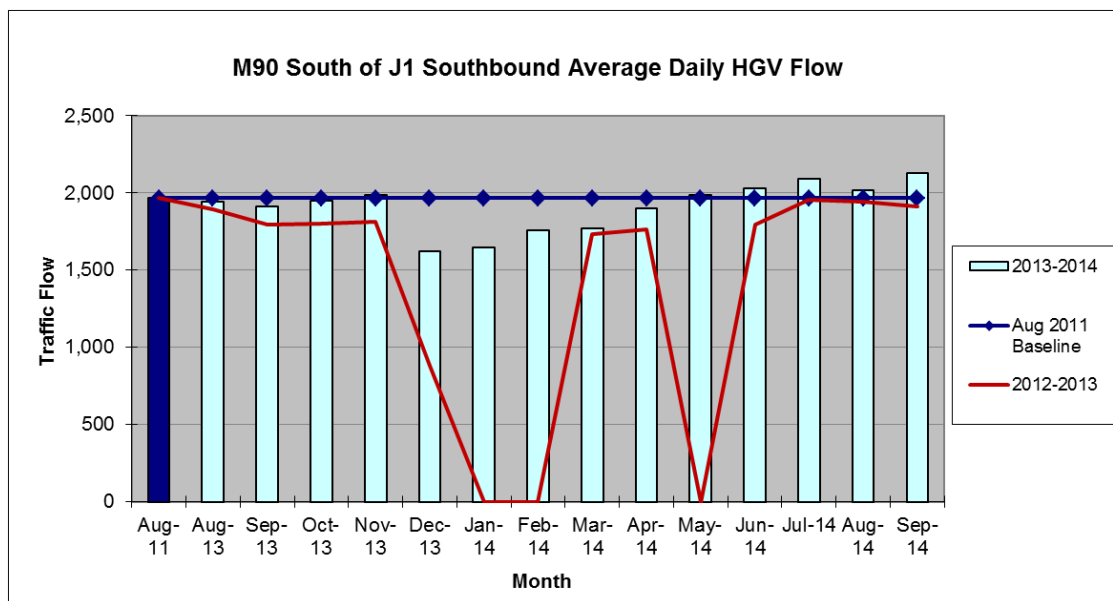
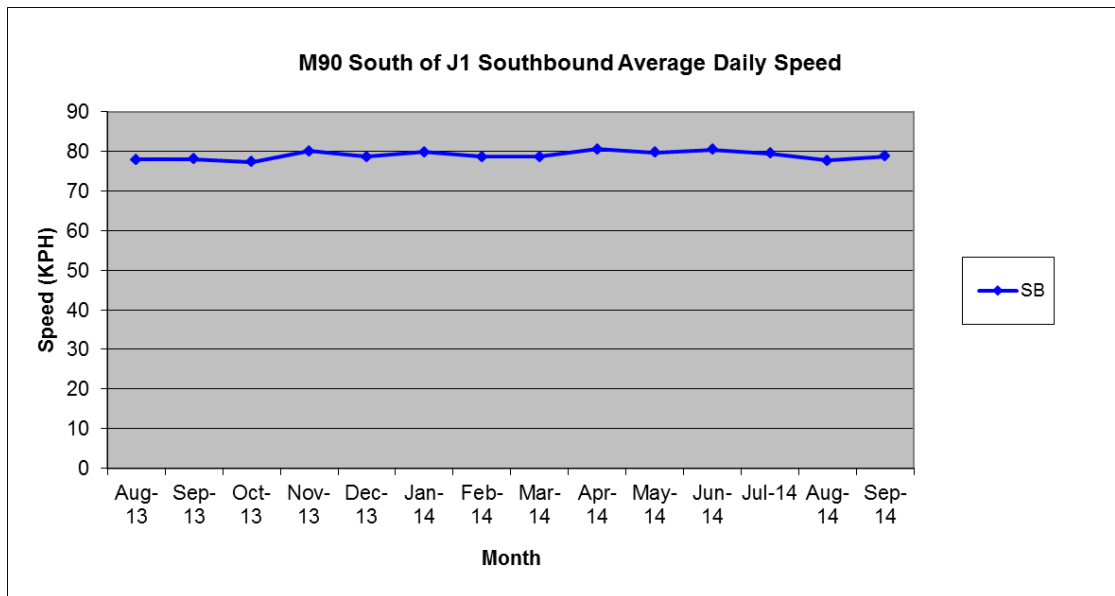


Figure 3-67 Monthly Average HGV Traffic Flows on the M90 South of J1 Southbound

### 3.13.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-52 Site: NTCNT005 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTCNT005	M90 South of J1 Southbound	Aug-13	78
		Sep-13	78
		Oct-13	77
		Nov-13	80
		Dec-13	79
		Jan-14	80
		Feb-14	79
		Mar-14	79
		Apr-14	81
		May-14	80
		Jun-14	80
		Jul-14	80
		Aug-14	78
Sep-14	79		



**Figure 3-68 Average Monthly Traffic Speeds (KPH) on the M90 South of J1 Southbound**

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

Summary of statistics between August 2013 and September 2014:

- Traffic flows are indicative of seasonal variation, with lower flows in December 2013 and January 2014, and higher flows over the summer months.
- Traffic volumes follow a similar pattern to those recorded in the 2012-2013 monitoring period, with flows slight higher this year compared to last in most months.

#### 3.14.1 Monthly Average Traffic Flows

**Table 3-3-53 Site: NTCPF019 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	EB	WB	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	33,733	33,410	67,144
		Aug-13	34,394	34,110	68,503
		Sep-13	33,055	32,881	65,936
		Oct-13	33,313	33,161	66,474
		Nov-13	32,474	32,446	64,921
		Dec-13	29,055	28,927	57,982
		Jan-14	28,673	28,590	57,263
		Feb-14	31,655	31,671	63,326
		Mar-14	32,424	32,289	64,712
		Apr-14	32,243	31,911	64,154
		May-14	33,787	No Data	No Data
		Jun-14	32,998	No Data	No Data
		Jul-14	33,587	33,032	66,619
		Aug-14	34,410	33,937	68,347
		Sep-14	34,017	33,735	67,752
	<b>Annual Average</b>	<b>32,305</b>	<b>30,859</b>	<b>60,592</b>	

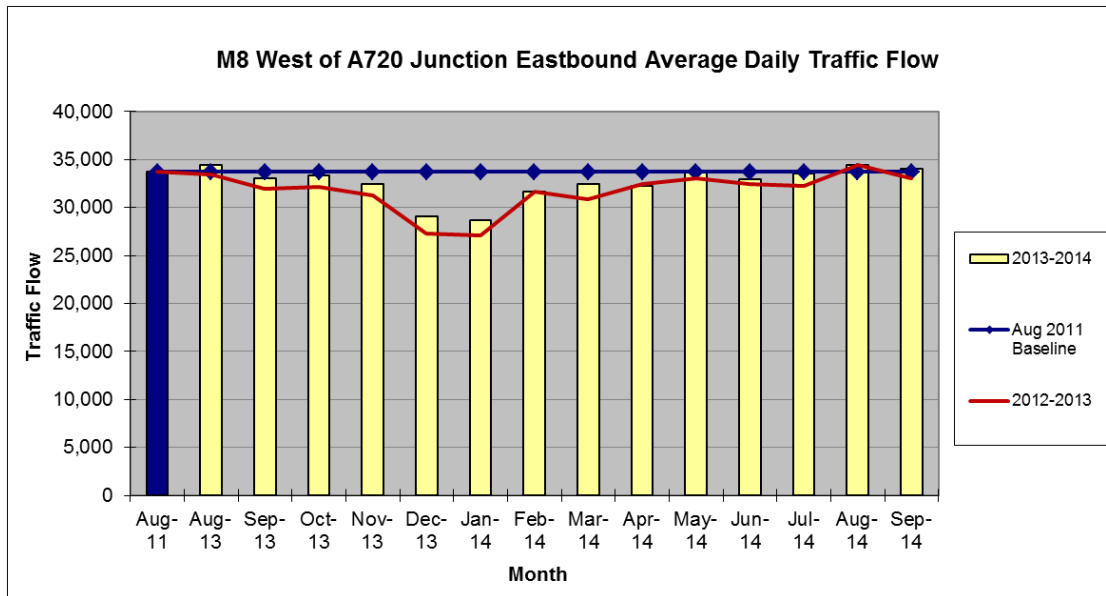


Figure 3-69 Monthly Eastbound AADTs on the M8 West of A720 Junction (Hermiston Gait)

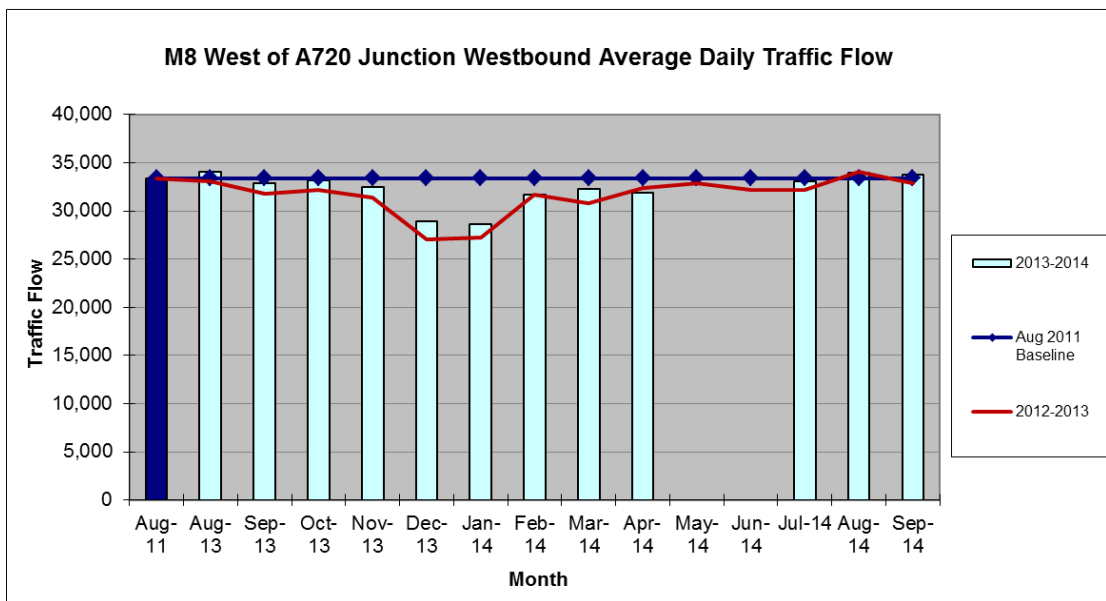


Figure 3-70 Monthly Westbound AADTs on the M8 West of A720 Junction (Hermiston Gait)

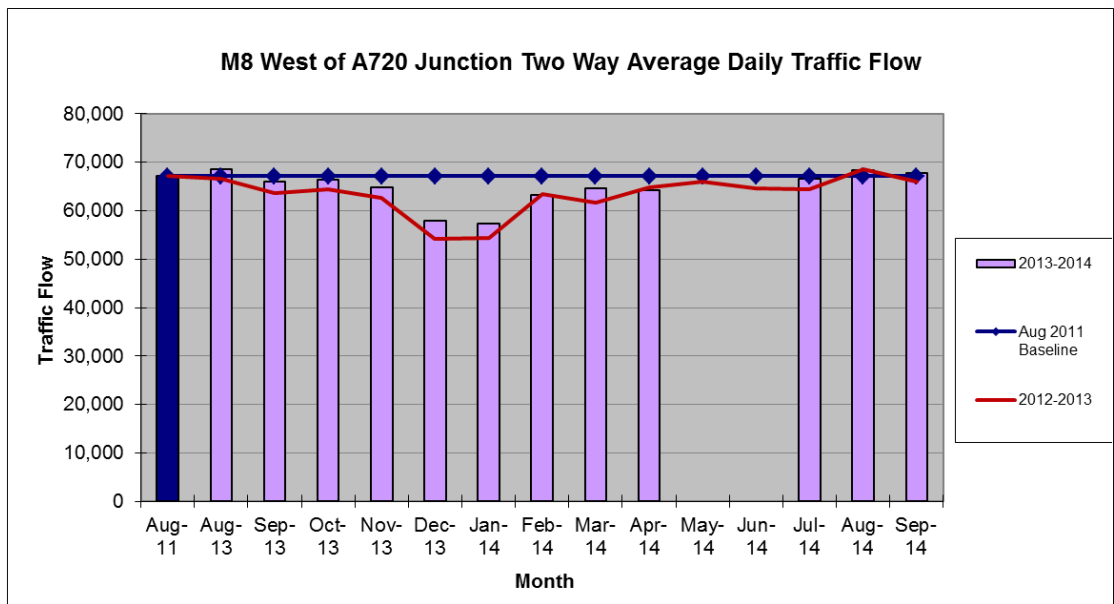


Figure 3-71 Monthly Two Way Daily Traffic Flows on the M8 West of A720 Junction (Hermiston Gait)

### 3.14.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-54 Site: NTCPF019 Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	13,528	15,286
		Aug-13	13,303	15,404
		Sep-13	13,269	14,845
		Oct-13	13,730	14,892
		Nov-13	13,351	14,309
		Dec-13	10,554	12,090
		Jan-14	11,784	13,025
		Feb-14	13,207	13,933
		Mar-14	13,334	14,282
		Apr-14	12,615	14,011
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	13,062	14,622
		Aug-14	12,882	14,986
		Sep-14	13,903	15,079
		<b>Annual Average</b>	<b>12,306</b>	<b>13,243</b>



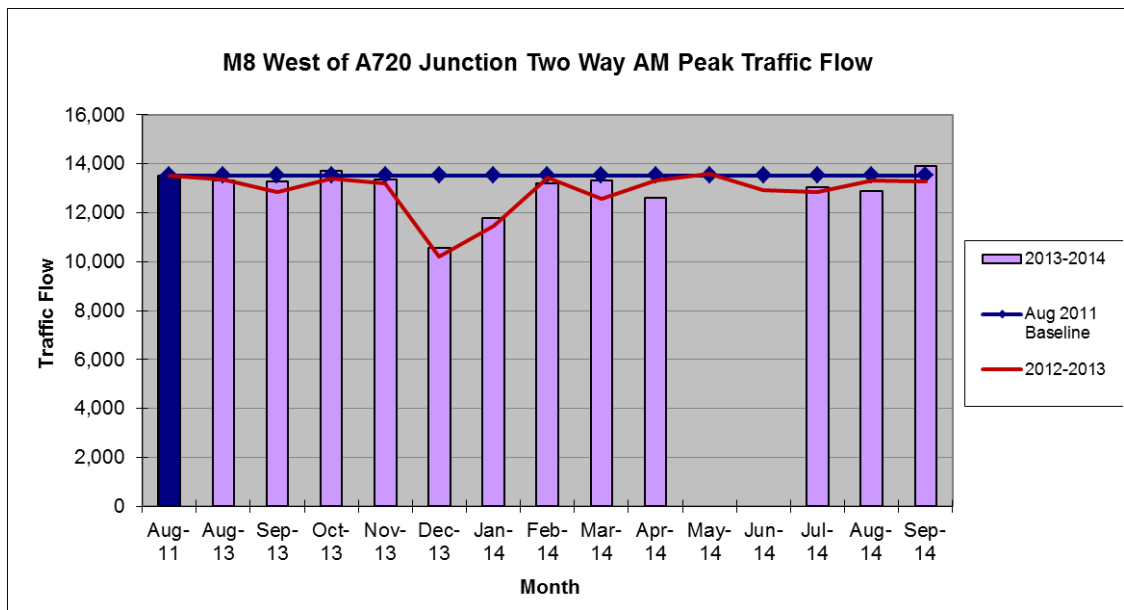


Figure 3-72 Monthly Two Way AM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

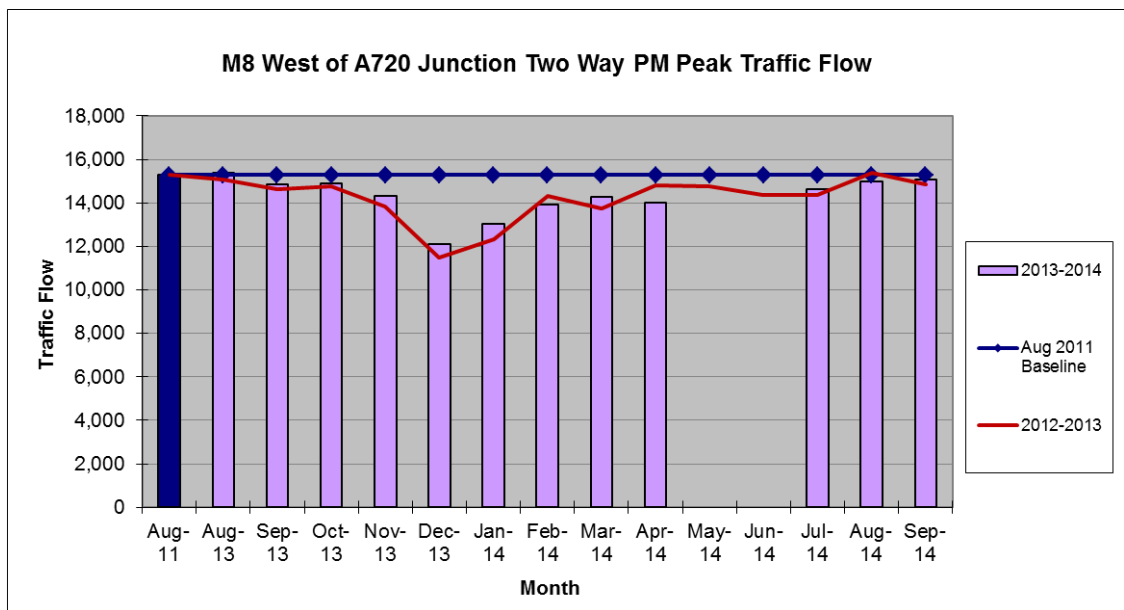


Figure 3-73 Monthly Two Way PM Peak Flows on the M8 West of A720 Junction (Hermiston Gait)

### 3.14.3 Monthly Average HGV Flows

Table 3-55 Site: NTCPF019 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-11	3,380
		Aug-13	3,459
		Sep-13	3,368
		Oct-13	3,408
		Nov-13	3,238
		Dec-13	2,911
		Jan-14	2,811
		Feb-14	3,147
		Mar-14	3,233
		Apr-14	3,240
		May-14	No Data
		Jun-14	No Data
		Jul-14	3,456
		Aug-14	3,362
		Sep-14	3,545
<b>Annual Average</b>	<b>3,227</b>		

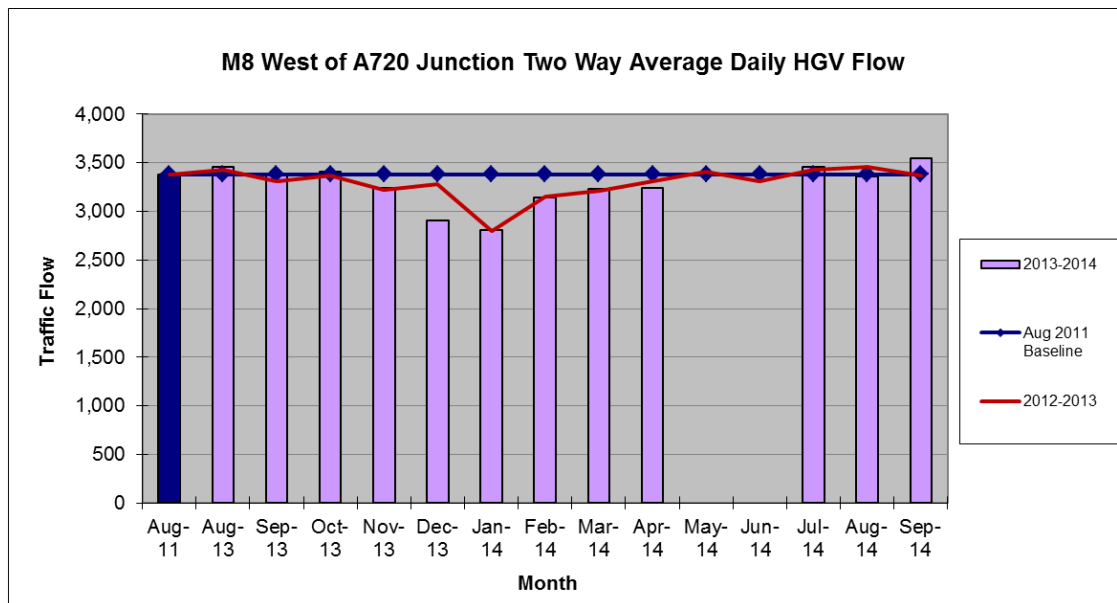
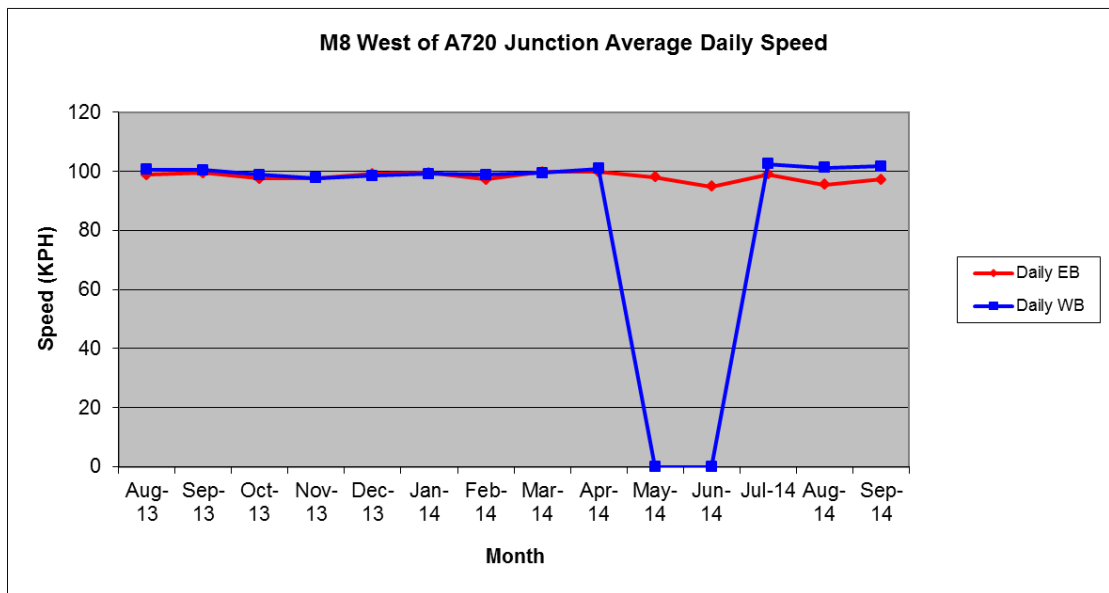


Figure 3-74 Monthly Two Way HGV Traffic Flows on the M8 West of A720 Junction (Hermiston Gait)

### 3.14.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-56 Site: NTCPF019 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB	WB
NTCPF019	M8 West of A720 Junction (Hermiston Gait)	Aug-13	99	101
		Sep-13	99	100
		Oct-13	98	99
		Nov-13	98	98
		Dec-13	99	99
		Jan-14	100	99
		Feb-14	97	99
		Mar-14	100	100
		Apr-14	100	101
		May-14	98	No Data
		Jun-14	95	No Data
		Jul-14	99	103
		Aug-14	95	101
		Sep-14	97	102



**Figure 3-75 Average Monthly Traffic Speeds (KPH) on the M8 West of A720 Junction (Hermiston Gait)**

### 3.15 Traffic Counter NTC01230 – M9 at J1 Newbridge Eastbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January, and higher flows over the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.15.1 Monthly Average Traffic Flows

**Table 3-3-57 Site: NTC01230 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01230	M9 at J1 Newbridge Eastbound	Aug-11	No Data
		Aug-13	20,774
		Sep-13	20,020
		Oct-13	20,046
		Nov-13	19,277
		Dec-13	16,646
		Jan-14	17,171
		Feb-14	18,528
		Mar-14	18,749
		Apr-14	19,168
		May-14	19,541
		Jun-14	19,298
		Jul-14	19,705
		Aug-14	20,207
		Sep-14	20,091
		<b>Annual Average</b>	<b>19,077</b>

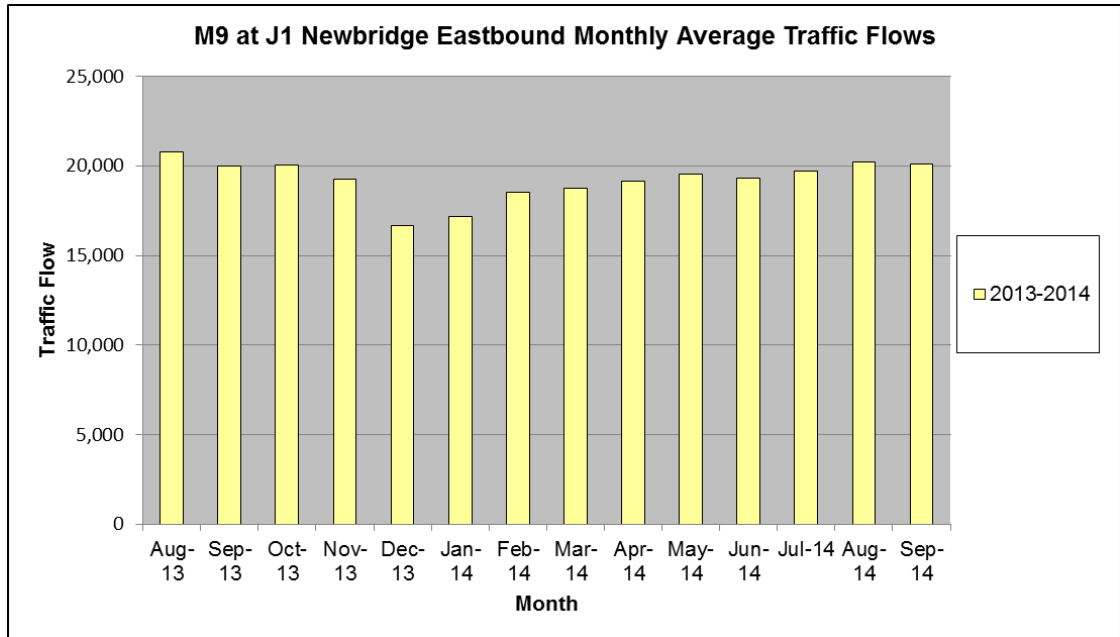


Figure 3-76 Monthly AADTs on the M9 at J1 Newbridge Eastbound

### 3.15.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-58 Site: NTC01230 Monthly Eastbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01230	M9 at J1 Newbridge Eastbound	Aug-11	No Data	No Data
		Aug-13	4,193	4,298
		Sep-13	4,342	4,120
		Oct-13	4,554	4,006
		Nov-13	4,397	3,774
		Dec-13	3,432	3,021
		Jan-14	3,969	3,352
		Feb-14	4,293	3,624
		Mar-14	4,119	3,764
		Apr-14	4,030	3,831
		May-14	4,138	3,935
		Jun-14	3,969	3,891
		Jul-14	4,038	3,915
		Aug-14	3,951	4,043
Sep-14	4,376	4,127		
		<b>Annual Average</b>	<b>4,123</b>	<b>3,794</b>

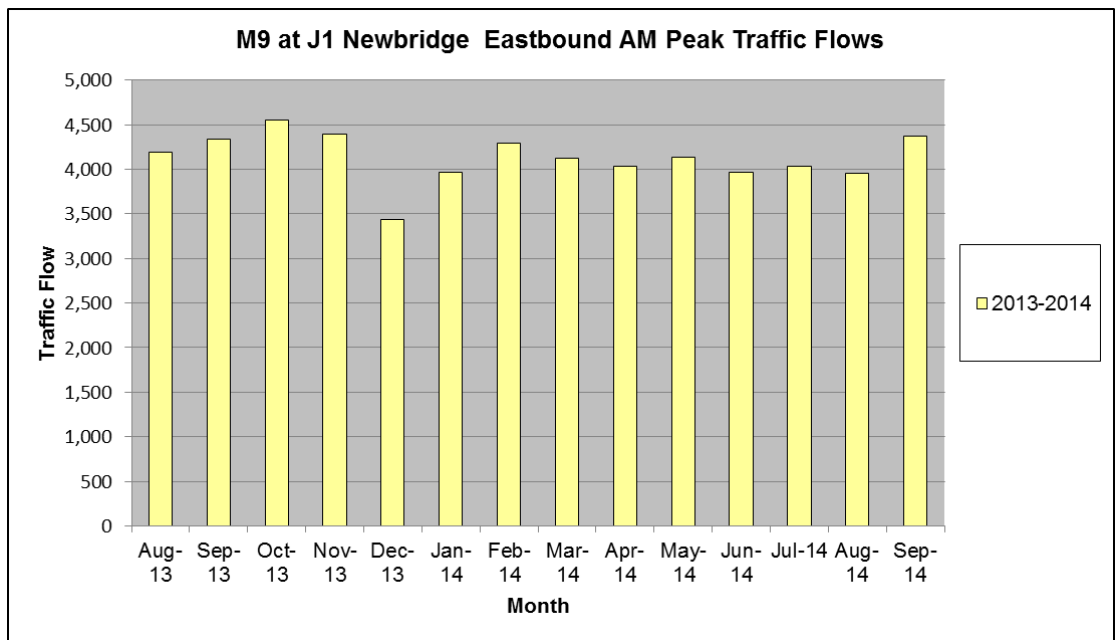


Figure 3-77 Monthly AM Peak Flows on the M9 at J1 Newbridge Eastbound

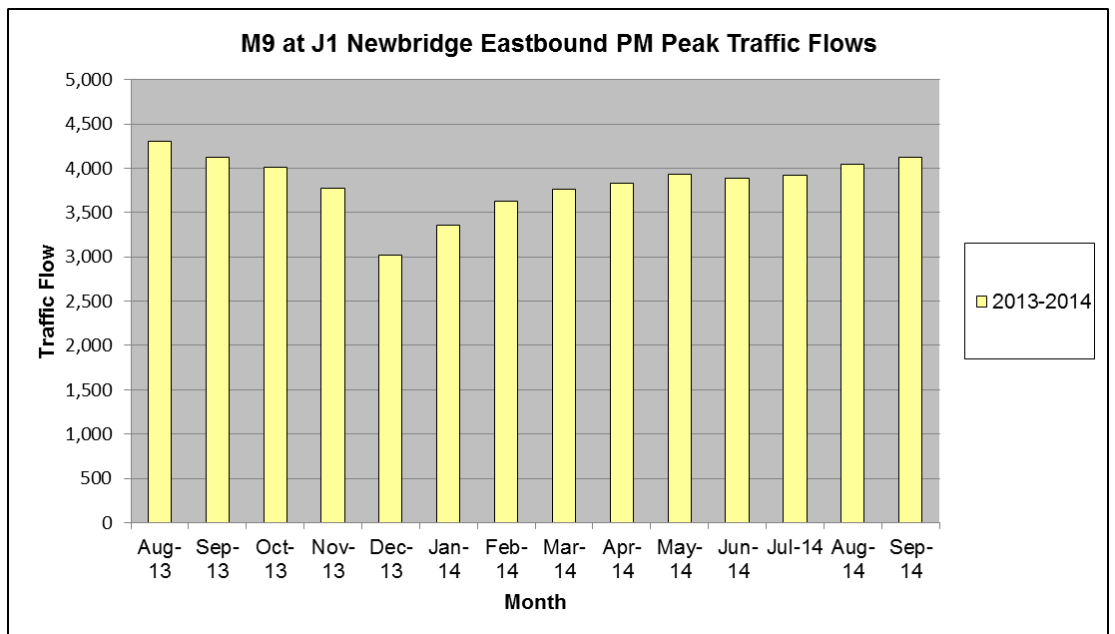


Figure 3-78 Monthly PM Peak Flows on the M9 at J1 Newbridge Eastbound

### 3.15.3 Monthly Average HGV Flows

Table 3-59 Site: NTC01230 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB
NTC01230	M9 at J1 Newbridge Eastbound	Aug-11	No Data
		Aug-13	1,580
		Sep-13	1,603
		Oct-13	1,611
		Nov-13	1,550
		Dec-13	1,263
		Jan-14	1,366
		Feb-14	1,450
		Mar-14	1,446
		Apr-14	1,520
		May-14	1,550
		Jun-14	1,571
		Jul-14	1,623
		Aug-14	1,581
		Sep-14	1,702

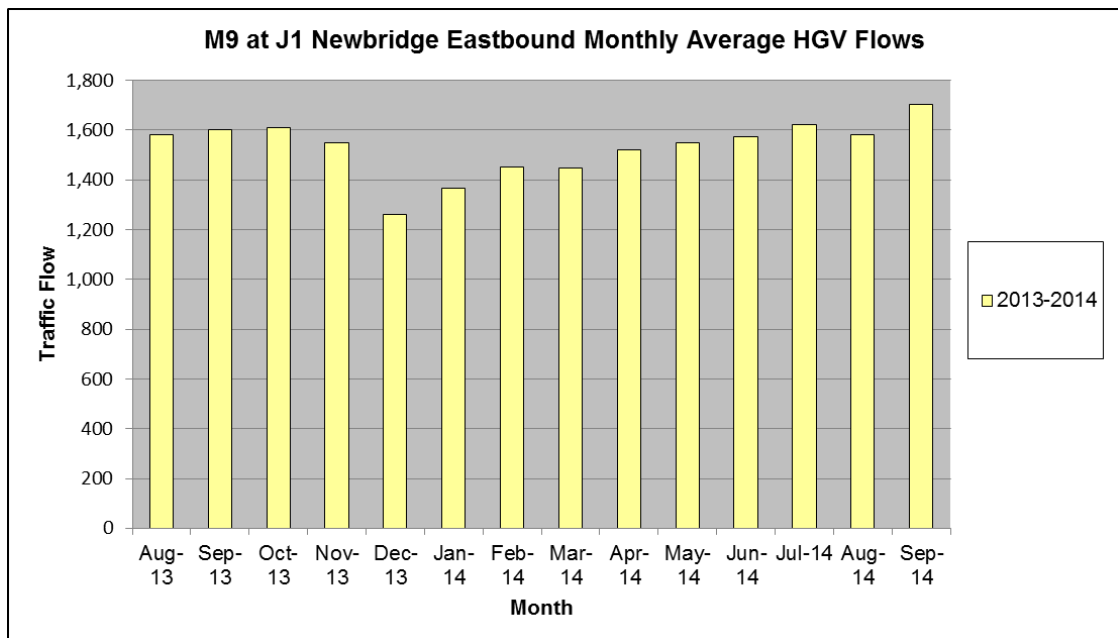
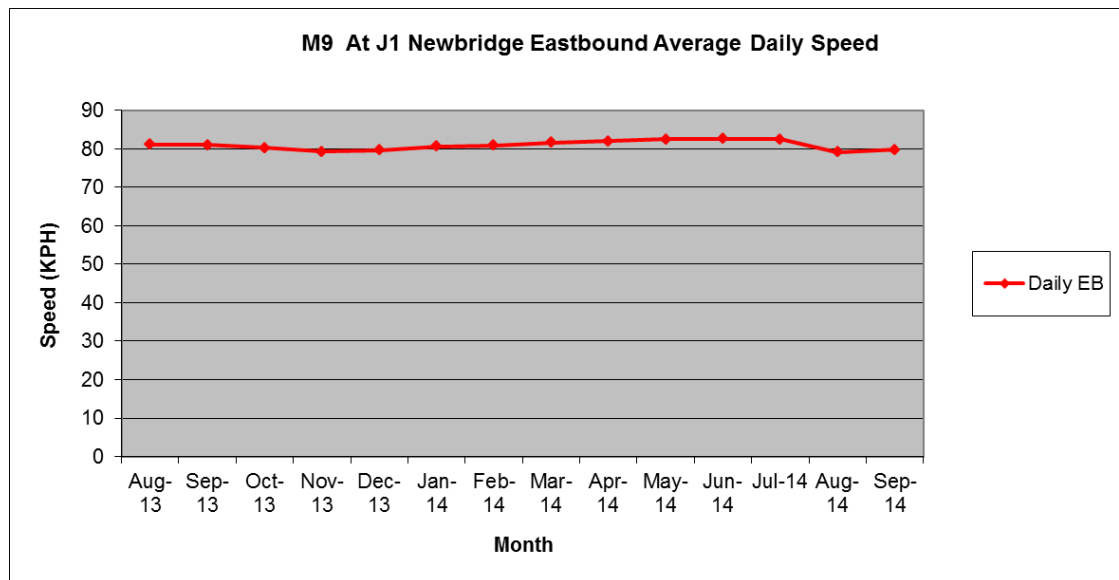


Figure 3-79 Monthly HGV Traffic Flows on the M9 at J1 Newbridge Eastbound

### 3.15.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-60 Site: NTC01230 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01230	M9 at J1 Newbridge Eastbound	Aug-13	81
		Sep-13	81
		Oct-13	80
		Nov-13	79
		Dec-13	80
		Jan-14	81
		Feb-14	81
		Mar-14	82
		Apr-14	82
		May-14	82
		Jun-14	83
		Jul-14	82
		Aug-14	79
		Sep-14	80



**Figure 3-80 Average Monthly Traffic Speeds (KPH) on the M9 at J1 Newbridge Eastbound**



### 3.16 Traffic Counter NTC01101 – M9 J1 Newbridge Westbound On-Ramp

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Unseasonably low traffic flows have been recorded between April and July. The rest of the year is indicative of seasonal variation.
- HGV flows follow a similar pattern to general traffic.

#### 3.16.1 Monthly Average Traffic Flows

**Table 3-3-61 Site: NTC01101 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	WB
NTC01101	M9 J1 Newbridge Westbound On-Ramp	Aug-11	No Data
		Aug-13	11,851
		Sep-13	11,629
		Oct-13	11,541
		Nov-13	10,964
		Dec-13	10,240
		Jan-14	9,929
		Feb-14	10,736
		Mar-14	10,977
		Apr-14	9,023
		May-14	6,538
		Jun-14	6,492
		Jul-14	9,329
		Aug-14	11,987
		Sep-14	12,264
		<b>Annual Average</b>	<b>9,937</b>

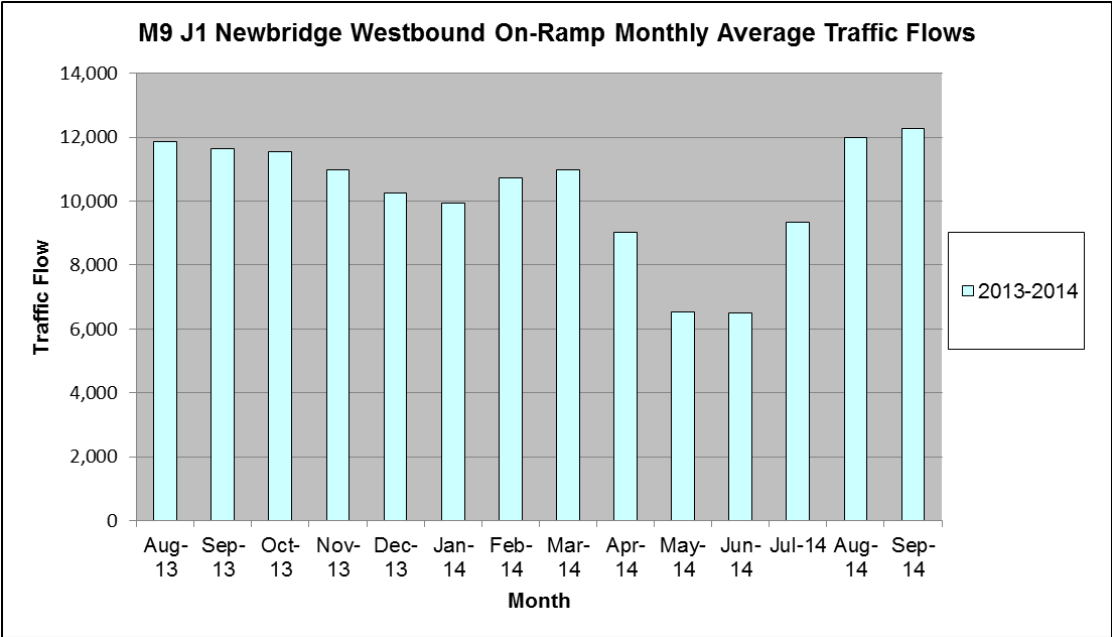
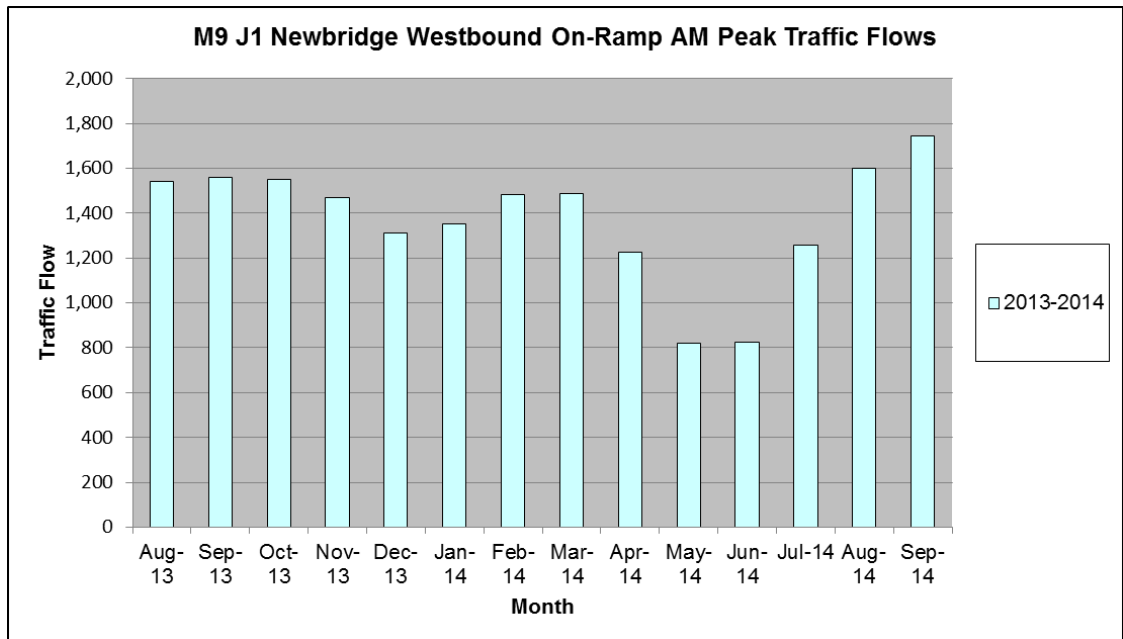


Figure 3-81 Monthly AADTs on the M9 J1 Newbridge Westbound On-Ramp

### 3.16.2 Monthly Average AM and PM Peak Traffic Flows

**Table 3-62 Site: NTC01101 Monthly Westbound AM and Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
NTC01101	M9 J1 Newbridge Westbound On-Ramp	Aug-11	No Data	No Data
		Aug-13	1,540	3,183
		Sep-13	1,561	3,171
		Oct-13	1,551	3,238
		Nov-13	1,468	3,164
		Dec-13	1,313	2,740
		Jan-14	1,353	2,938
		Feb-14	1,482	3,118
		Mar-14	1,486	3,137
		Apr-14	1,225	2,299
		May-14	820	1,361
		Jun-14	826	1,412
		Jul-14	1,258	2,273
		Aug-14	1,598	3,045
		Sep-14	1,743	3,213
		<b>Annual Average</b>	<b>1,324</b>	<b>2,670</b>



**Figure 3-82 Monthly AM Peak Flows on the M9 J1 Newbridge Westbound On-Ramp**

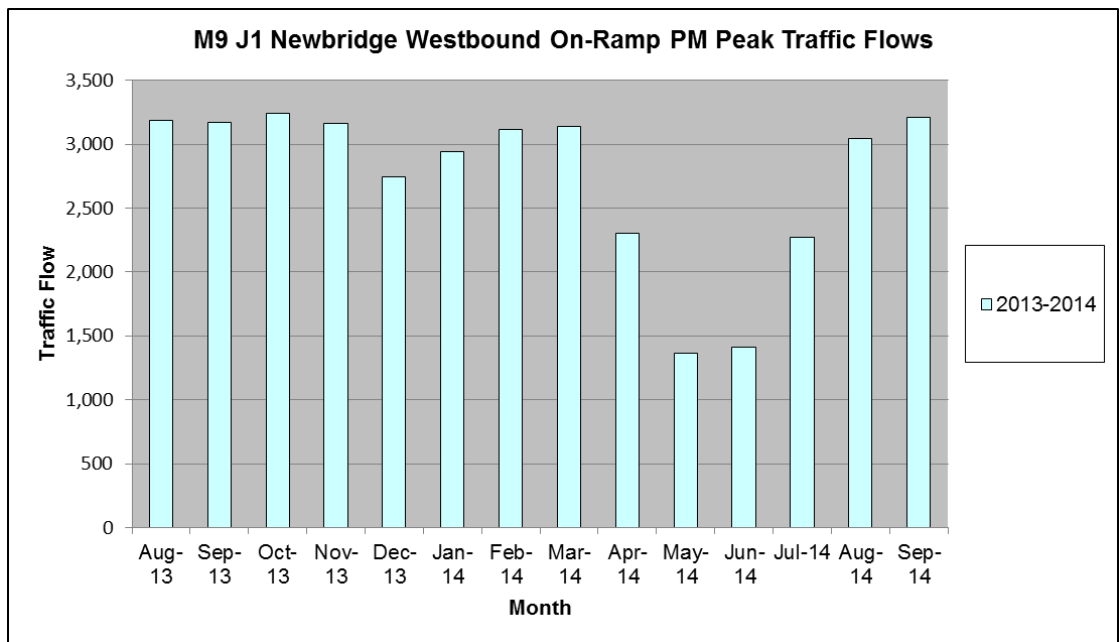


Figure 3-83 Monthly PM Peak Flows on the M9 J1 Newbridge Westbound On-Ramp

### 3.16.3 Monthly Average HGV Flows

Table 3-63 Site: NTC01101 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	WB
NTC01101	M9 J1 Newbridge Westbound On-Ramp	Aug-11	No Data
		Aug-13	512
		Sep-13	498
		Oct-13	493
		Nov-13	474
		Dec-13	425
		Jan-14	408
		Feb-14	448
		Mar-14	445
		Apr-14	376
		May-14	232
		Jun-14	241
		Jul-14	395
		Aug-14	532
		Sep-14	559
		<b>Annual Average</b>	<b>412</b>

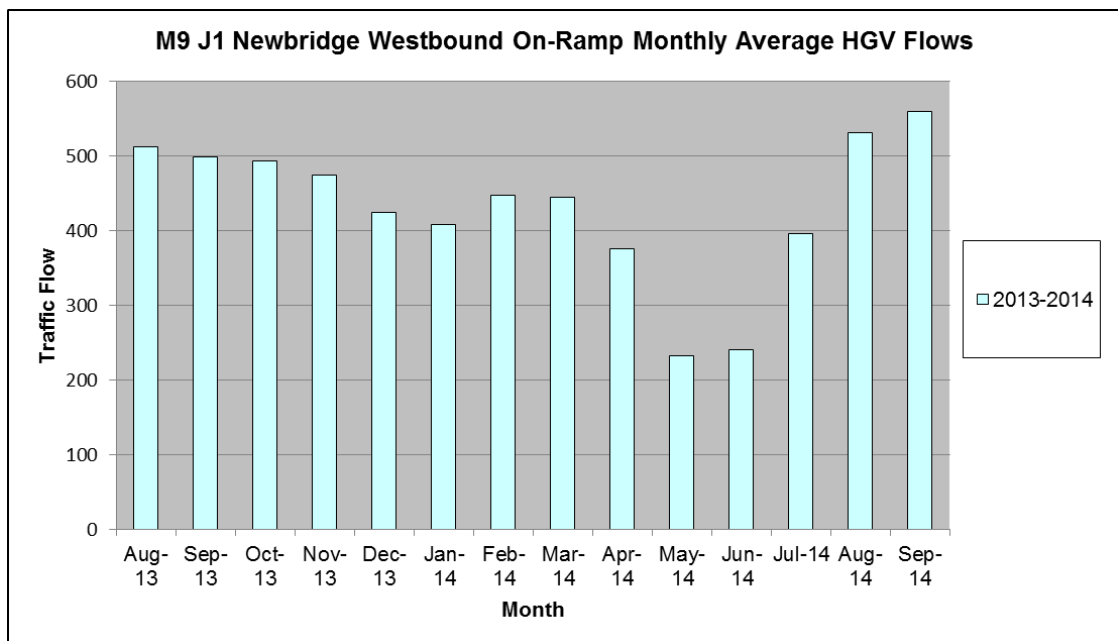
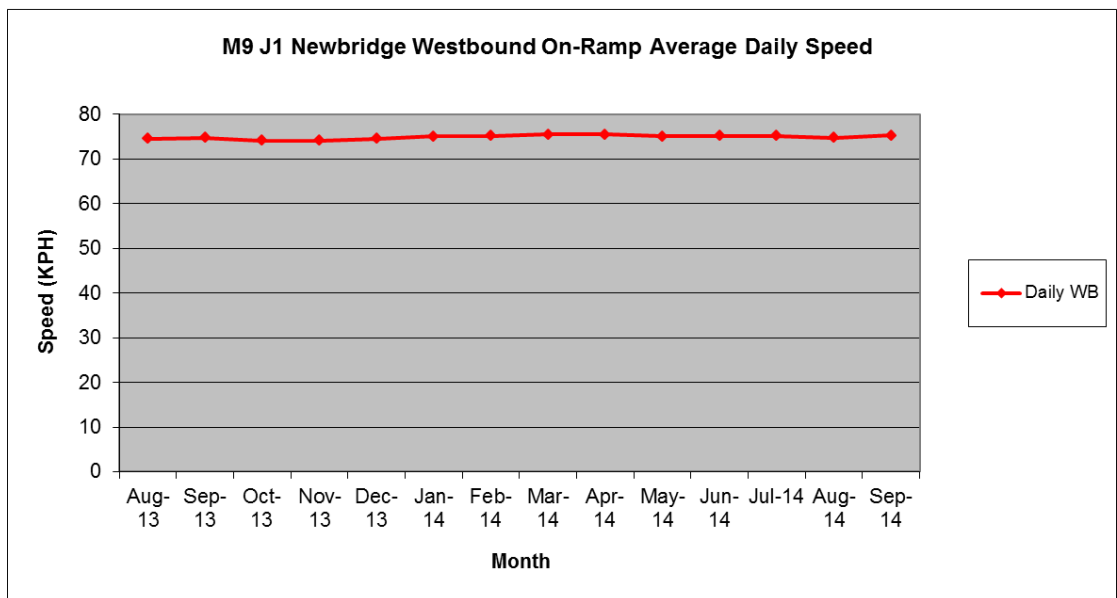


Figure 3-84 Monthly HGV Traffic Flows on the M9 J1 Newbridge Westbound On-Ramp

### 3.16.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-64 Site: NTC01101 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	WB
NTC01101	M9 J1 Newbridge Westbound On-Ramp	Aug-13	75
		Sep-13	75
		Oct-13	74
		Nov-13	74
		Dec-13	75
		Jan-14	75
		Feb-14	75
		Mar-14	75
		Apr-14	75
		May-14	75
		Jun-14	75
		Jul-14	75
		Aug-14	75
		Sep-14	75



**Figure 3-85 Average Monthly Traffic Speeds (KPH) on the M9 J1 Newbridge Westbound On-Ramp**

### 3.17 Traffic Counter NTC01148 – M90 J2 Northbound Off-Ramp to A823 (M) West

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Limited traffic flow data was available for April to August 2014, therefore the data was not considered to be sufficiently representative for analysis.
- Traffic Flows peak in September 2014.
- HGV flows follow a similar pattern to general traffic.

#### 3.17.1 Monthly Average Traffic Flows

**Table 3-65 Site: NTC01148 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01148	M90 J2 Northbound Off-Ramp to A823(M) West	Aug-11	No Data
		Aug-13	6,580
		Sep-13	6,431
		Oct-13	6,475
		Nov-13	6,608
		Dec-13	6,003
		Jan-14	6,027
		Feb-14	6,361
		Mar-14	6,490
		Apr-14	No Data
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	7,135
		<b>Annual Average</b>	<b>No Data</b>

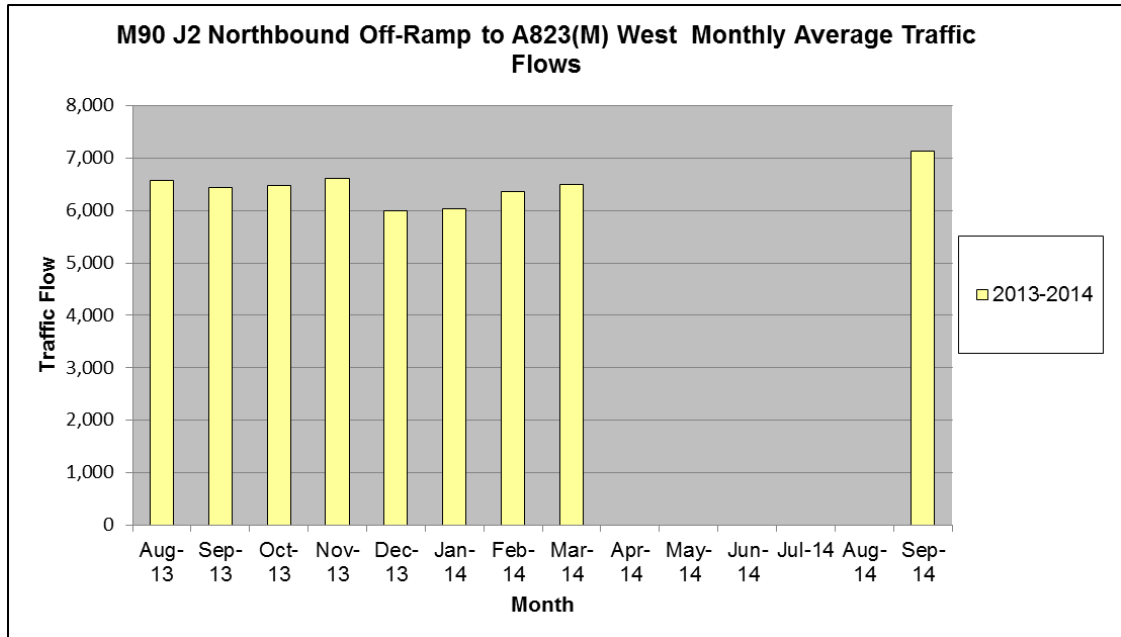


Figure 3-86 Monthly AADTs on the M90 J2 Northbound Off-Ramp to A823 (M) West

### 3.17.2 Monthly Average AM Peak Traffic Flows

Table 3-66 Site: NTC01148 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01148	M90 J2 Northbound Off-Ramp to A823(M) West	Aug-11	No Data	No Data
		Aug-13	1,225	1,712
		Sep-13	1,238	1,715
		Oct-13	1,258	1,747
		Nov-13	1,279	1,760
		Dec-13	1,037	1,502
		Jan-14	1,166	1,644
		Feb-14	1,228	1,726
		Mar-14	1,249	1,761
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	1,571	2,003
	<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	



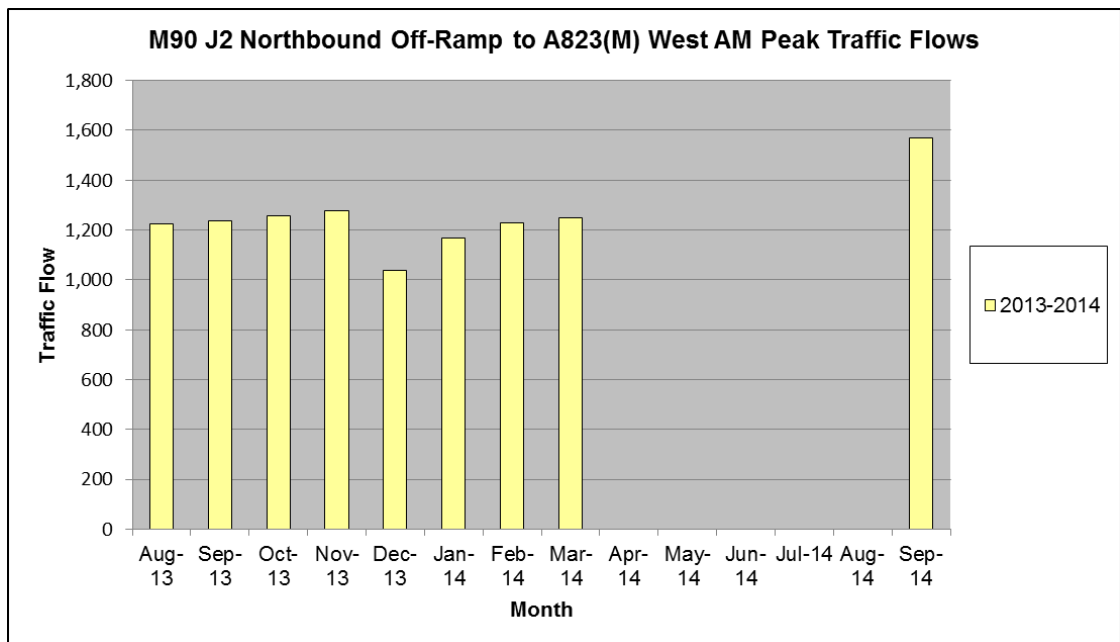


Figure 3-87 Monthly AM Peak Flows on the M90 J2 Northbound Off-Ramp to A823 (M) West

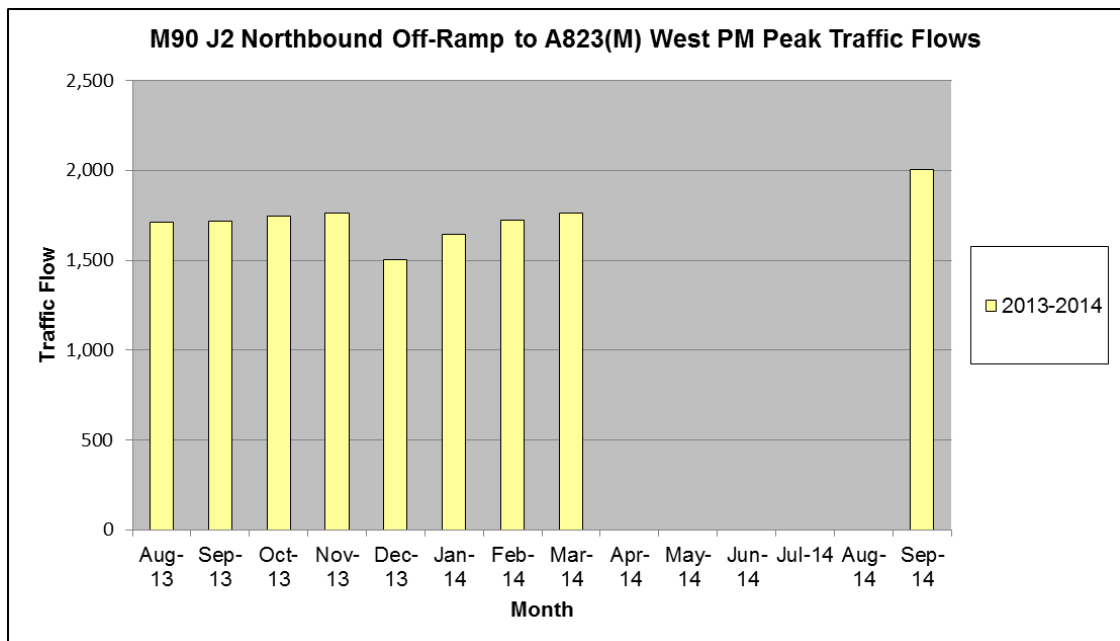


Figure 3-88 Monthly PM Peak Flows on the M90 J2 Northbound Off-Ramp to A823 (M) West

### 3.17.3 Monthly Average HGV Flows

Table 3-67 Site: NTC01148 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
NTC01148	M90 J2 Northbound Off-Ramp to A823(M) West	Aug-11	No Data
		Aug-13	115
		Sep-13	111
		Oct-13	109
		Nov-13	107
		Dec-13	91
		Jan-14	90
		Feb-14	99
		Mar-14	104
		Apr-14	No Data
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	139
		<b>Annual Average</b>	<b>No Data</b>

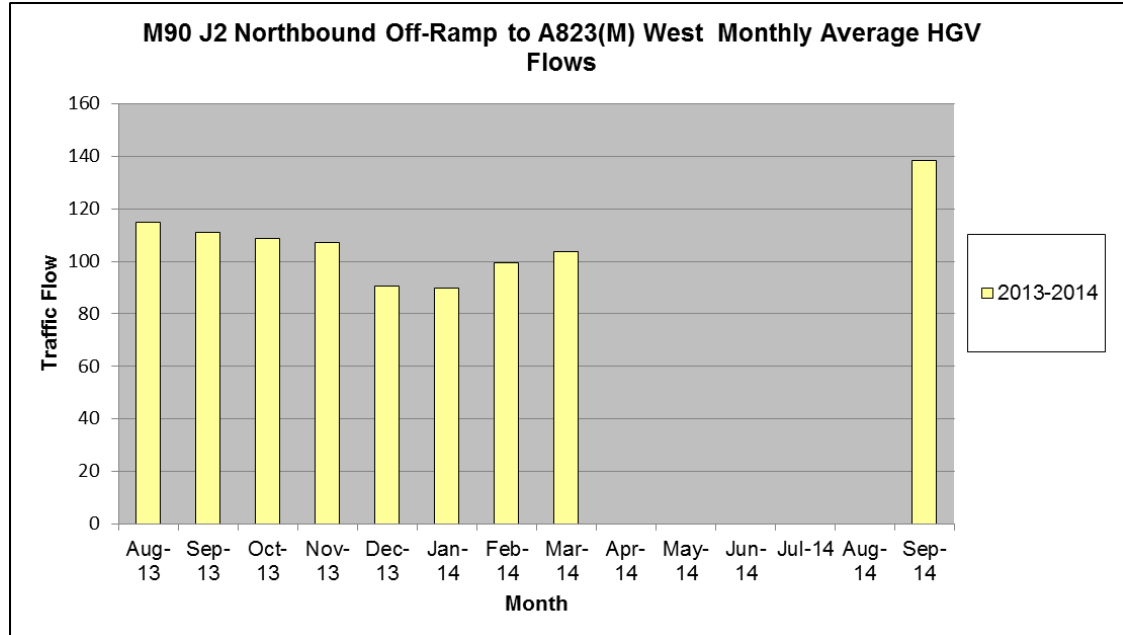


Figure 3-89 Monthly HGV Traffic Flows on the M90 J2 Northbound Off-Ramp to A823 (M) West

### 3.17.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-68 Site: NTC01148 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01148	M90 J2 Northbound Off-Ramp to A823(M) West	Aug-13	87
		Sep-13	88
		Oct-13	86
		Nov-13	85
		Dec-13	85
		Jan-14	85
		Feb-14	86
		Mar-14	87
		Apr-14	No Data
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	89

### 3.18 Traffic Counter NTC01152 – M90 J2 Southbound On-Ramp from A823 (M)

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows remain consistent throughout the year, with a slight reduction in traffic flows during December and January.
- HGV flows follow a similar pattern to general traffic.

#### 3.18.1 Monthly Average Traffic Flows

**Table 3-69 Site: NTC01152 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01152	M90 J2 Southbound On-Ramp from A823(M)	Aug-11	No Data
		Aug-13	5,903
		Sep-13	5,820
		Oct-13	5,911
		Nov-13	5,978
		Dec-13	5,460
		Jan-14	5,569
		Feb-14	5,855
		Mar-14	5,902
		Apr-14	5,932
		May-14	6,096
		Jun-14	6,016
		Jul-14	5,912
		Aug-14	5,985
		Sep-14	6,034
		<b>Annual Average</b>	<b>5,863</b>

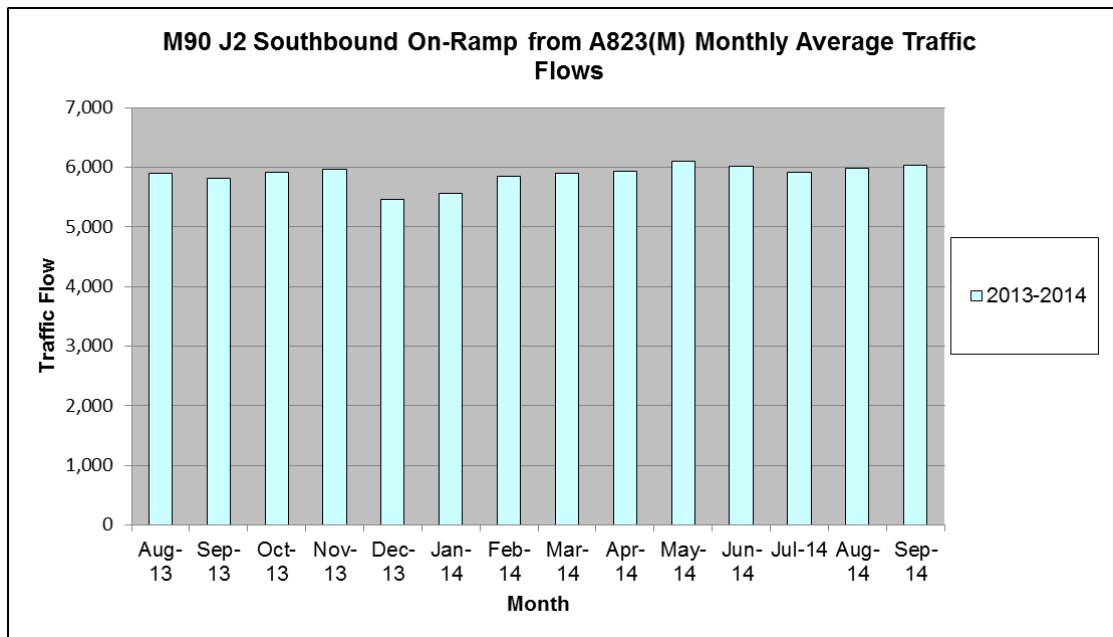


Figure 3-90 Monthly AADTs on the M90 J2 Southbound On-Ramp from A823 (M)

### 3.18.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-70 Site: NTC01152 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01152	M90 J2 Southbound On-Ramp from A823(M)	Aug-11	No Data	No Data
		Aug-13	1,239	1,296
		Sep-13	1,245	1,301
		Oct-13	1,256	1,333
		Nov-13	1,292	1,340
		Dec-13	1,029	1,152
		Jan-14	1,171	1,282
		Feb-14	1,241	1,321
		Mar-14	1,234	1,310
		Apr-14	1,249	1,324
		May-14	1,249	1,350
		Jun-14	1,244	1,321
		Jul-14	1,248	1,271
		Aug-14	1,211	1,298
Sep-14	1,284	1,328		
	<b>Annual Average</b>	<b>1,225</b>	<b>1,300</b>	

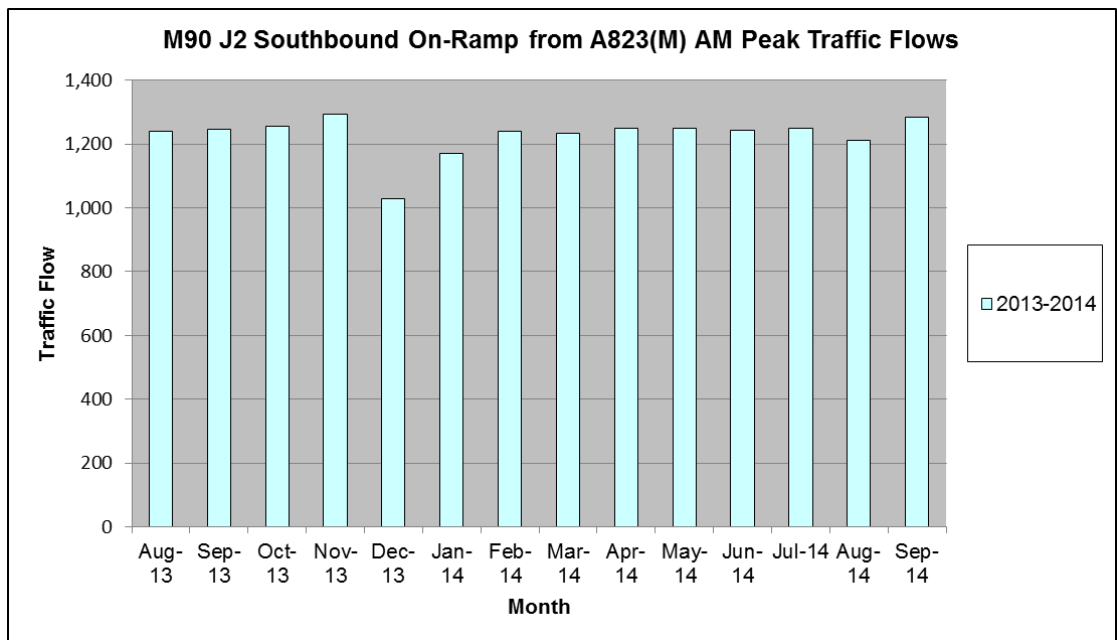


Figure 3-91 Monthly AM Peak Flows on the M90 J2 Southbound On-Ramp from A823 (M)

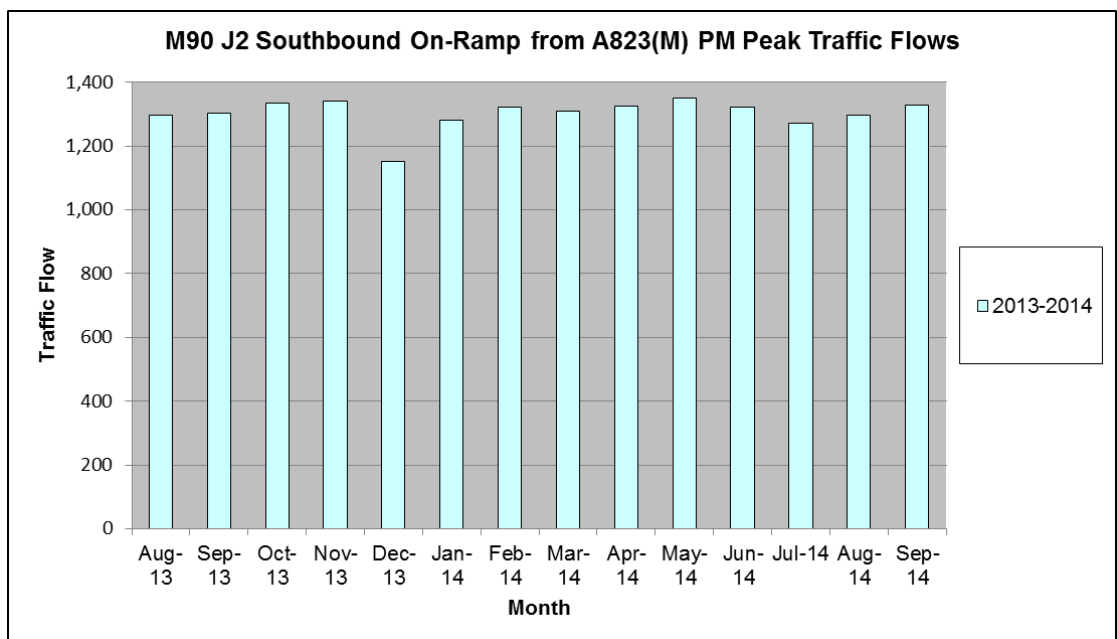
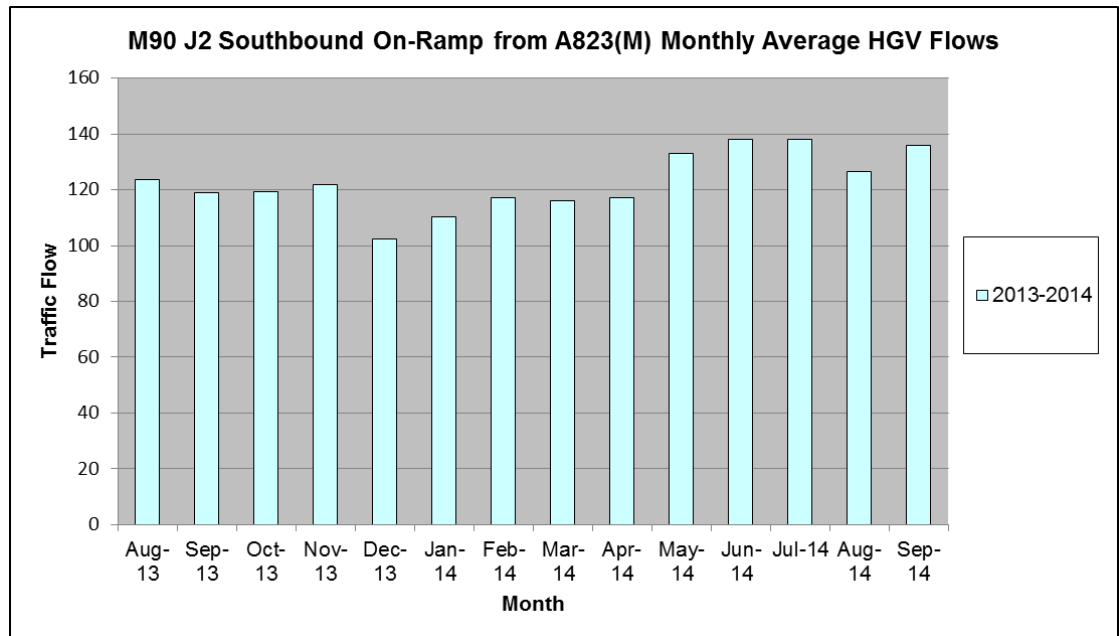


Figure 3-92 Monthly PM Peak Flows on the M90 J2 Southbound On-Ramp from A823 (M)

### 3.18.3 Monthly Average HGV Flows

**Table 3-71 Site: NTC01152 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01152	M90 J2 Southbound On-Ramp from A823(M)	Aug-11	No Data
		Aug-13	124
		Sep-13	119
		Oct-13	119
		Nov-13	122
		Dec-13	102
		Jan-14	110
		Feb-14	117
		Mar-14	116
		Apr-14	117
		May-14	133
		Jun-14	138
		Jul-14	138
		Aug-14	127
		Sep-14	136
		<b>Annual Average</b>	<b>121</b>

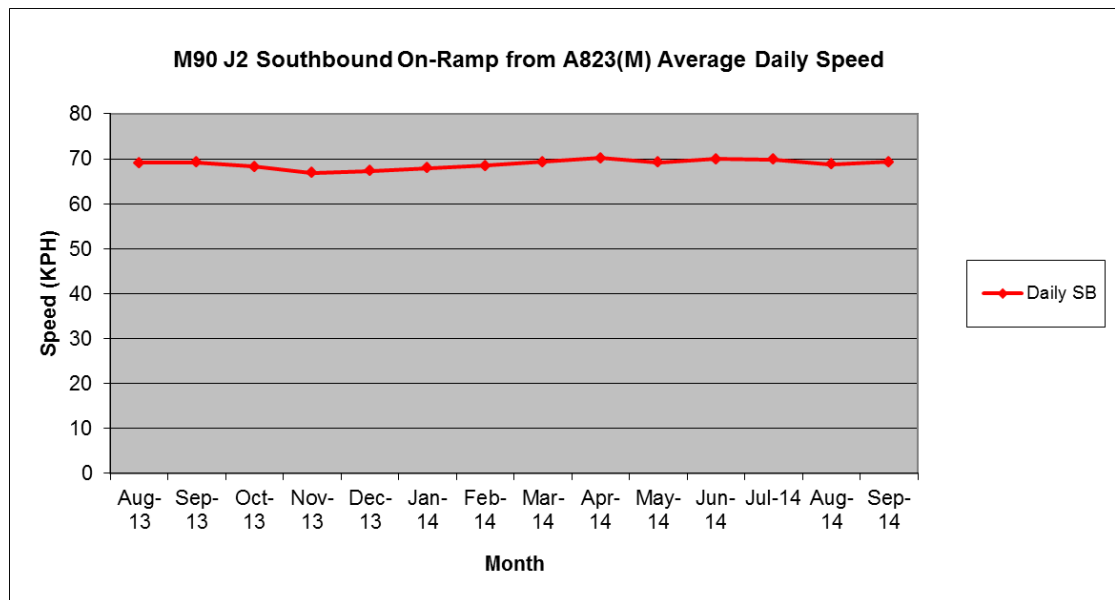


**Figure 3-93 Monthly HGV Traffic Flows on the M90 J2 Southbound On-Ramp from A823 (M)**

### 3.18.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-72 Site: NTC01152 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01152	M90 J2 Southbound On-Ramp from A823(M)	Aug-13	69
		Sep-13	69
		Oct-13	68
		Nov-13	67
		Dec-13	67
		Jan-14	68
		Feb-14	68
		Mar-14	69
		Apr-14	70
		May-14	69
		Jun-14	70
		Jul-14	70
		Aug-14	69
		Sep-14	69



**Figure 3-94 Average Monthly Traffic Speeds (KPH) on the M90 J2 Southbound On-Ramp from A823 (M)**



### 3.19 Traffic Counter NTC01153 – M90 at J2 Northbound On-Ramp from A823(M)

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows remain consistent throughout the year, with a slight reduction in traffic flows during December and January.
- HGV flows follow a similar pattern to general traffic, however there is a slight increase in June and July.

#### 3.19.1 Monthly Average Traffic Flows

**Table 3-73 Site: NTC01153 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01153	M90 at J2 Northbound On-Ramp from A823(M)	Aug-11	No Data
		Aug-13	3,060
		Sep-13	2,981
		Oct-13	3,013
		Nov-13	3,024
		Dec-13	2,634
		Jan-14	2,833
		Feb-14	3,026
		Mar-14	3,022
		Apr-14	3,068
		May-14	3,110
		Jun-14	3,056
		Jul-14	3,013
		Aug-14	2,999
		Sep-14	3,172
		<b>Annual Average</b>	<b>2,987</b>

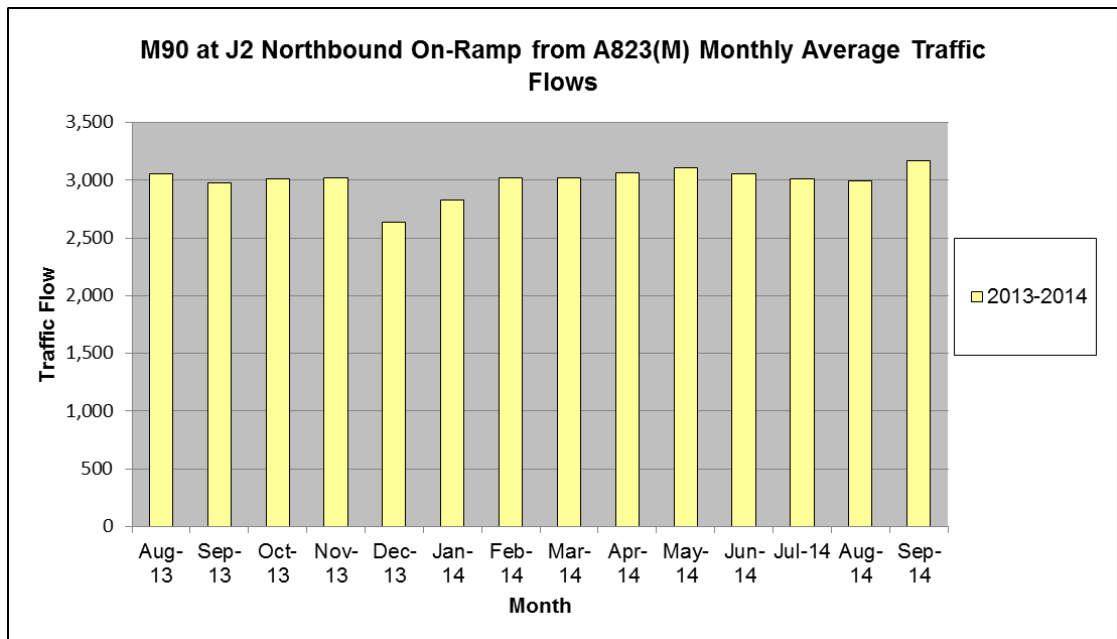


Figure 3-95 Monthly AADTs on the M90 at J2 Northbound On-Ramp from A823 (M)

### 3.19.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-74 Site: NTC01153 Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01153	M90 at J2 Northbound On-Ramp from A823(M)	Aug-11	No Data	No Data
		Aug-13	504	887
		Sep-13	509	858
		Oct-13	504	900
		Nov-13	532	880
		Dec-13	433	724
		Jan-14	487	857
		Feb-14	536	898
		Mar-14	529	885
		Apr-14	512	918
		May-14	522	902
		Jun-14	508	895
		Jul-14	472	885
		Aug-14	492	876
		Sep-14	559	955
	<b>Annual Average</b>	<b>504</b>	<b>874</b>	

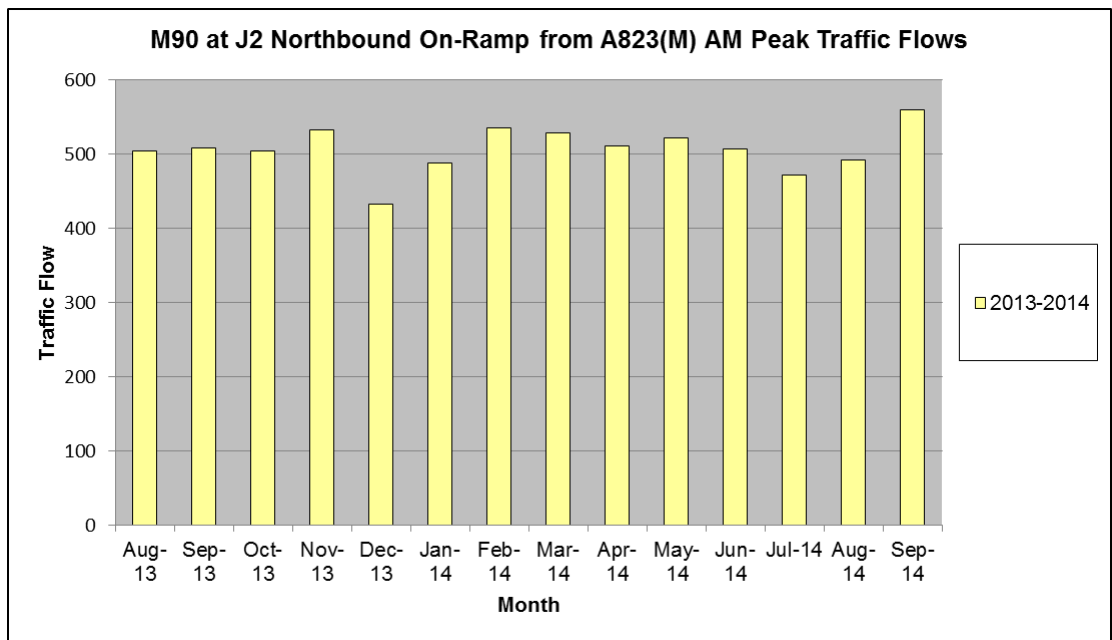


Figure 3-96 Monthly AM Peak Flows on the M90 at J2 Northbound On-Ramp from A823 (M)

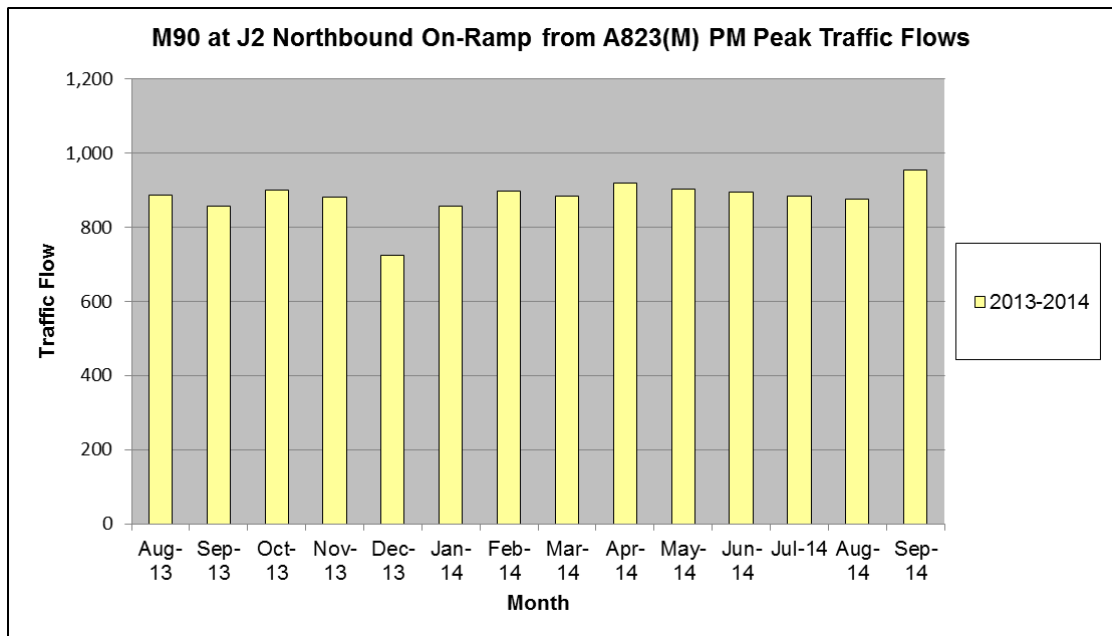
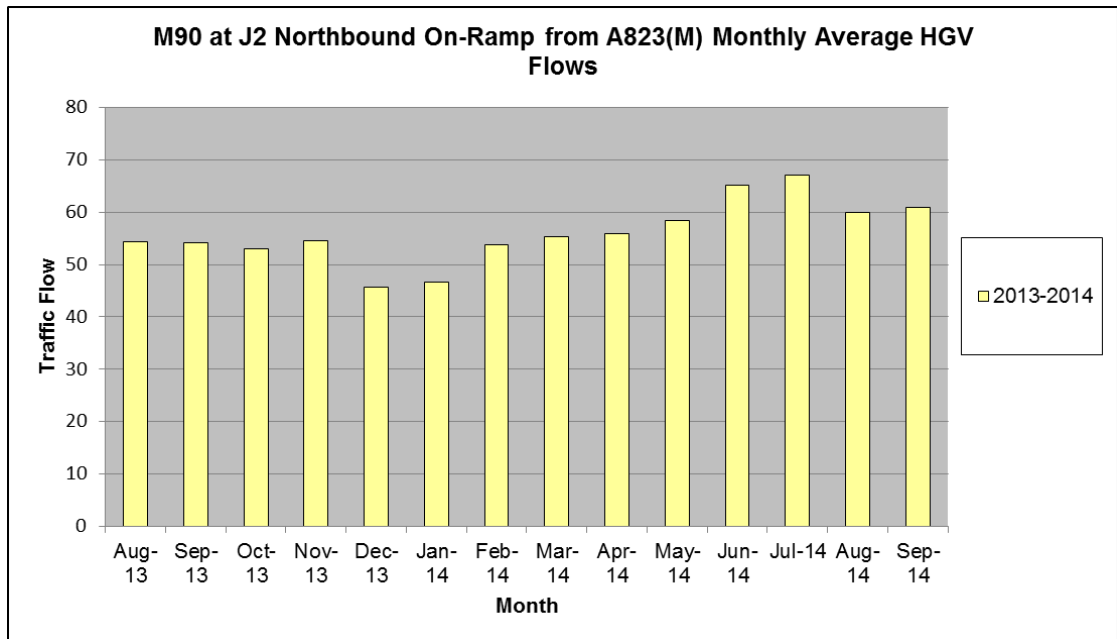


Figure 3-97 Monthly PM Peak Flows on the M90 at J2 Northbound On-Ramp from A823 (M)

### 3.19.3 Monthly Average HGV Flows

**Table 3-75 Site: NTC01153 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01153	M90 at J2 Northbound On-Ramp from A823(M)	Aug-11	No Data
		Aug-13	54
		Sep-13	54
		Oct-13	53
		Nov-13	55
		Dec-13	46
		Jan-14	47
		Feb-14	54
		Mar-14	55
		Apr-14	56
		May-14	58
		Jun-14	65
		Jul-14	67
		Aug-14	60
		Sep-14	61
		<b>Annual Average</b>	<b>55</b>

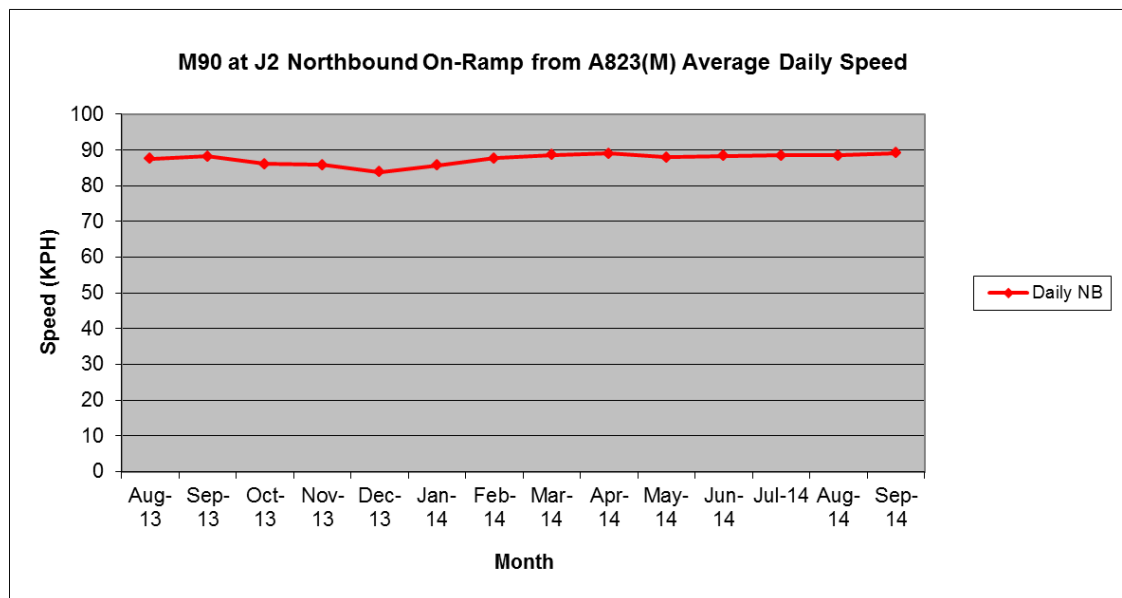


**Figure 3-98 Monthly HGV Traffic Flows on the M90 at J2 Northbound On-Ramp from A823 (M)**

### 3.19.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-76 Site: NTC01153 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01153	M90 at J2 Northbound On-Ramp from A823(M)	Aug-13	88
		Sep-13	88
		Oct-13	86
		Nov-13	86
		Dec-13	84
		Jan-14	86
		Feb-14	88
		Mar-14	89
		Apr-14	89
		May-14	88
		Jun-14	88
		Jul-14	89
		Aug-14	89
Sep-14	89		



**Figure 3-99 Average Monthly Traffic Speeds (KPH) on the M90 J2 Northbound On Slip North from A823 (M) East**

### 3.20 Traffic Counter NTC01154 – M90 J2 Southbound Off-Ramp to A823 (M)

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows remain consistent throughout the year, with a slight reduction in traffic flows during December and January.
- HGV flows follow a similar pattern to general traffic.

#### 3.20.1 Monthly Average Traffic Flows

**Table 3-77 Site: NTC01154 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01154	M90 J2 Southbound Off-Ramp to A823(M)	Aug-11	No Data
		Aug-13	3,033
		Sep-13	3,007
		Oct-13	3,051
		Nov-13	3,067
		Dec-13	2,615
		Jan-14	2,840
		Feb-14	3,006
		Mar-14	3,088
		Apr-14	3,057
		May-14	3,187
		Jun-14	3,003
		Jul-14	2,993
		Aug-14	3,054
		Sep-14	3,231
		<b>Annual Average</b>	<b>2,996</b>

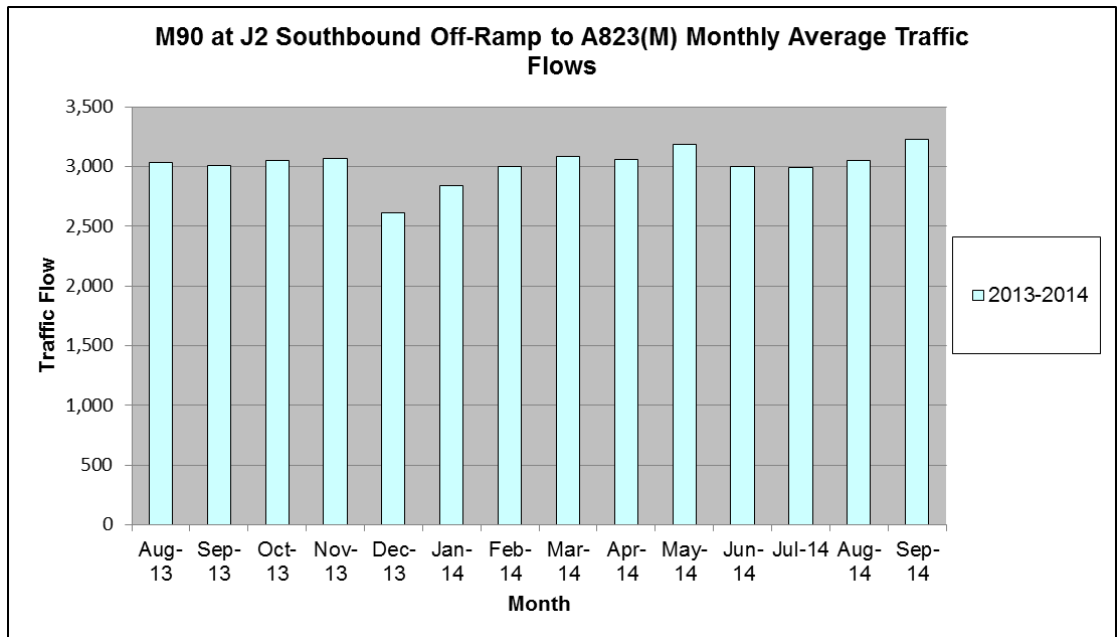


Figure 3-100 Monthly AADTs on the M90 J2 Southbound Off-Ramp to A823 (M)

### 3.20.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-78 Site: NTC01154 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01154	M90 J2 Southbound Off-Ramp to A823(M)	Aug-11	No Data	No Data
		Aug-13	893	567
		Sep-13	915	576
		Oct-13	948	593
		Nov-13	992	576
		Dec-13	779	461
		Jan-14	922	520
		Feb-14	977	544
		Mar-14	1,001	569
		Apr-14	949	591
		May-14	989	639
		Jun-14	929	559
		Jul-14	888	575
		Aug-14	897	628
Sep-14	1,029	612		
		<b>Annual Average</b>	<b>932</b>	<b>564</b>

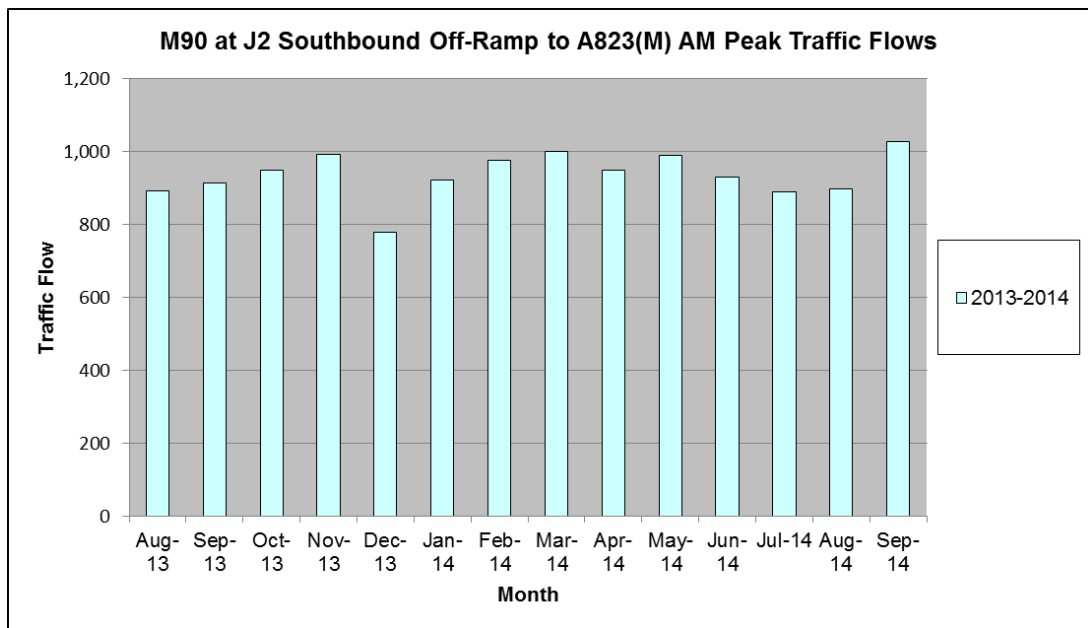


Figure 3-101 Monthly AM Peak Flows on the M90 J2 Southbound Off-Ramp to A823 (M)

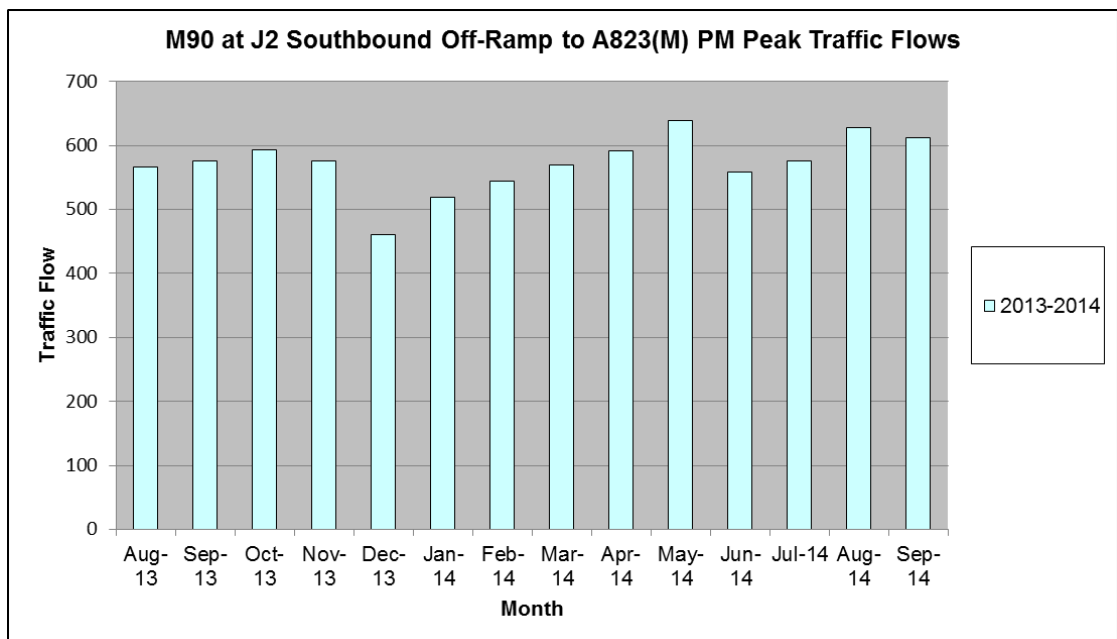


Figure 3-102 Monthly PM Peak Flows on the M90 J2 Southbound Off-Ramp to A823 (M)



### 3.20.3 Monthly Average HGV Flows

Table 3-79 Site: NTC01154 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
NTC01154	M90 J2 Southbound Off-Ramp to A823(M)	Aug-11	No Data
		Aug-13	41
		Sep-13	42
		Oct-13	41
		Nov-13	38
		Dec-13	36
		Jan-14	36
		Feb-14	43
		Mar-14	44
		Apr-14	38
		May-14	44
		Jun-14	45
		Jul-14	46
		Aug-14	42
		Sep-14	46
		<b>Annual Average</b>	<b>41</b>

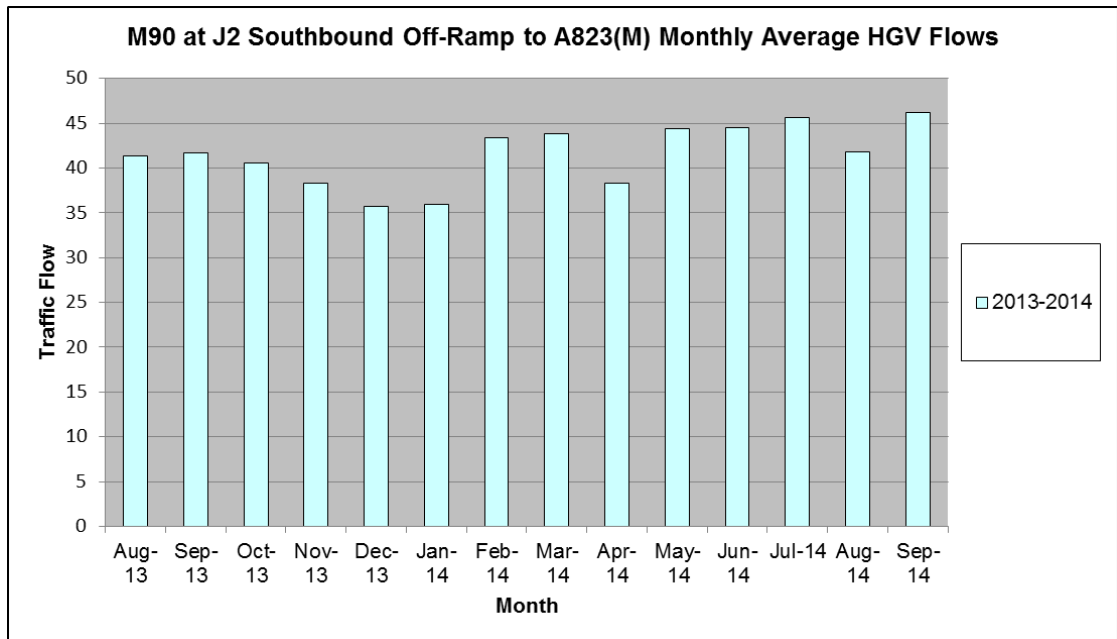
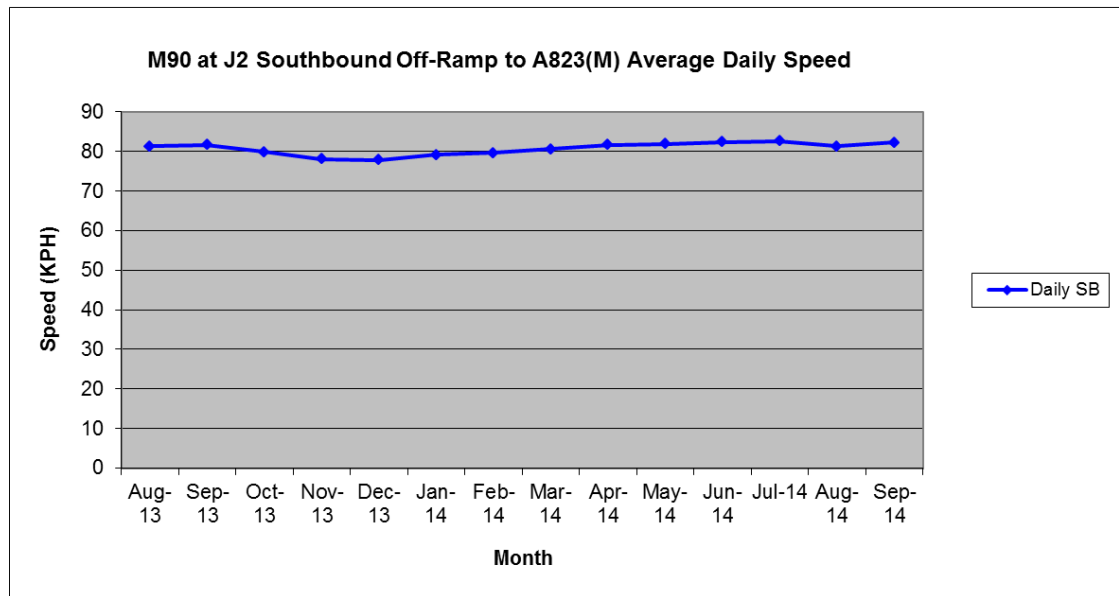


Figure 3-103 Monthly HGV Traffic Flows on the M90 J2 Southbound Off-Ramp to A823 (M)

### 3.20.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-80 Site: NTC01154 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01154	M90 J2 Southbound Off-Ramp to A823(M)	Aug-13	81
		Sep-13	82
		Oct-13	80
		Nov-13	78
		Dec-13	78
		Jan-14	79
		Feb-14	80
		Mar-14	81
		Apr-14	82
		May-14	82
		Jun-14	82
		Jul-14	83
		Aug-14	81
		Sep-14	82



**Figure 3-104 Average Monthly Traffic Speeds (KPH) on the M90 J2 Southbound Off-Ramp to A823 (M)**

### 3.21 Traffic Counter NTC01149 – M90 at J2 Masterton Northbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows over the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.21.1 Monthly Average Traffic Flows

**Table 3-81 Site: NTC01149 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01149	M90 At J2 Masterton Northbound	Aug-11	No Data
		Aug-13	26,956
		Sep-13	25,932
		Oct-13	25,568
		Nov-13	25,009
		Dec-13	22,546
		Jan-14	21,940
		Feb-14	24,505
		Mar-14	24,700
		Apr-14	25,847
		May-14	25,808
		Jun-14	26,154
		Jul-14	26,166
		Aug-14	27,003
		Sep-14	26,478
		<b>Annual Average</b>	<b>25,094</b>

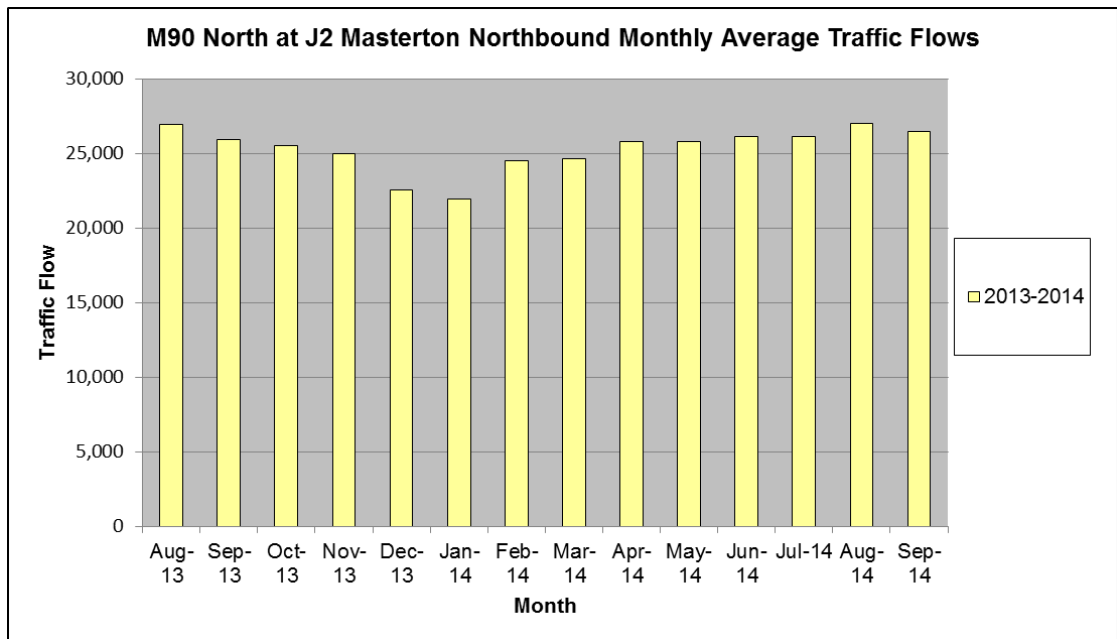


Figure 3-105 Monthly AADTs on the M90 at J2 Masterton Northbound

### 3.21.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-82 Site: NTC01149 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01149	M90 At J2 Masterton Northbound	Aug-11	No Data	No Data
		Aug-13	4,689	6,379
		Sep-13	4,824	6,234
		Oct-13	4,754	6,207
		Nov-13	4,706	6,166
		Dec-13	3,664	5,327
		Jan-14	4,053	5,481
		Feb-14	4,644	6,048
		Mar-14	4,618	6,035
		Apr-14	4,673	6,061
		May-14	4,685	5,992
		Jun-14	4,614	6,066
		Jul-14	4,485	5,966
		Aug-14	4,567	6,105
Sep-14	4,918	6,176		
	<b>Annual Average</b>	<b>4,534</b>	<b>5,997</b>	

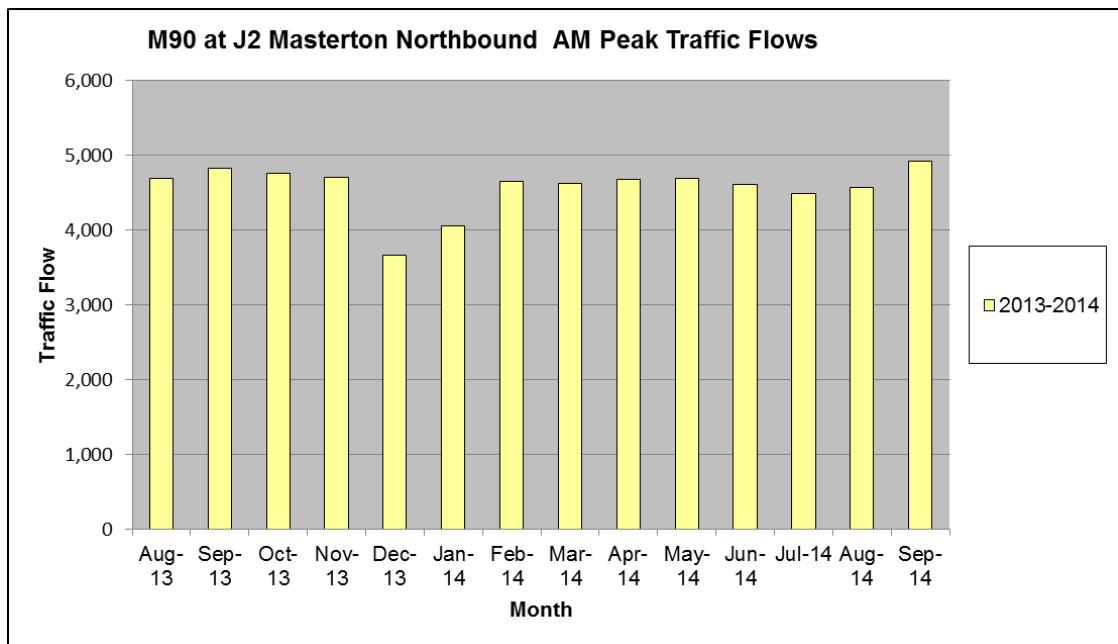


Figure 3-106 Monthly AM Peak Flows on the M90 at J2 Masterton Northbound

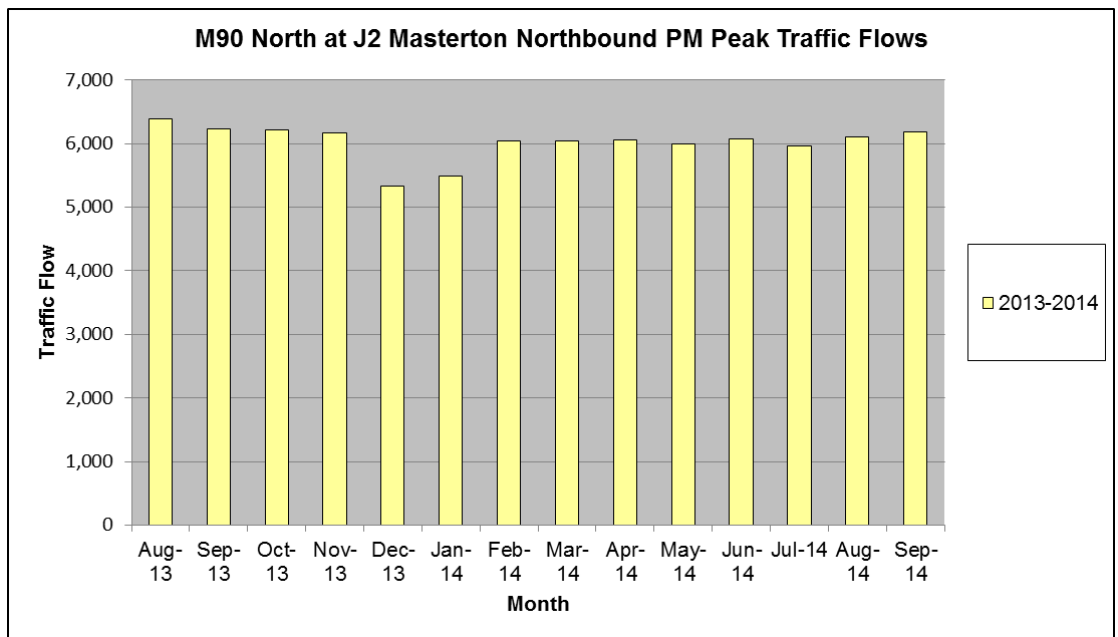
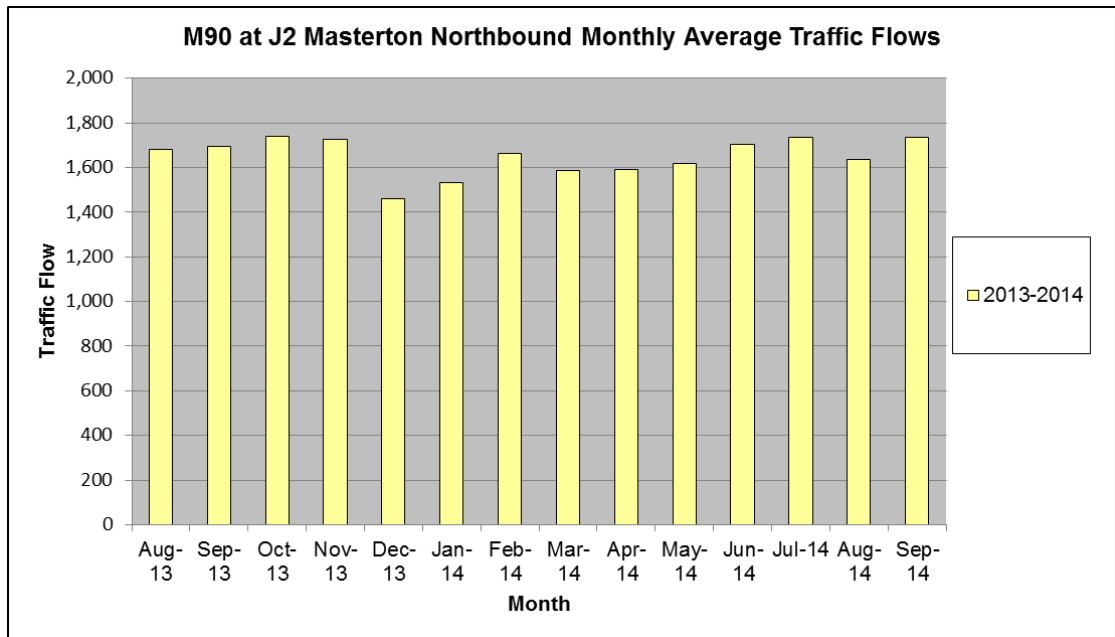


Figure 3-107 Monthly PM Peak Flows on the M90 at J2 Masterton Northbound

### 3.21.3 Monthly Average HGV Flows

**Table 3-83 Site: NTC01149 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01149	M90 At J2 Masterton Northbound	Aug-11	No Data
		Aug-13	1,680
		Sep-13	1,694
		Oct-13	1,738
		Nov-13	1,726
		Dec-13	1,458
		Jan-14	1,530
		Feb-14	1,661
		Mar-14	1,586
		Apr-14	1,590
		May-14	1,617
		Jun-14	1,703
		Jul-14	1,733
		Aug-14	1,636
		Sep-14	1,736
		<b>Annual Average</b>	<b>1,643</b>

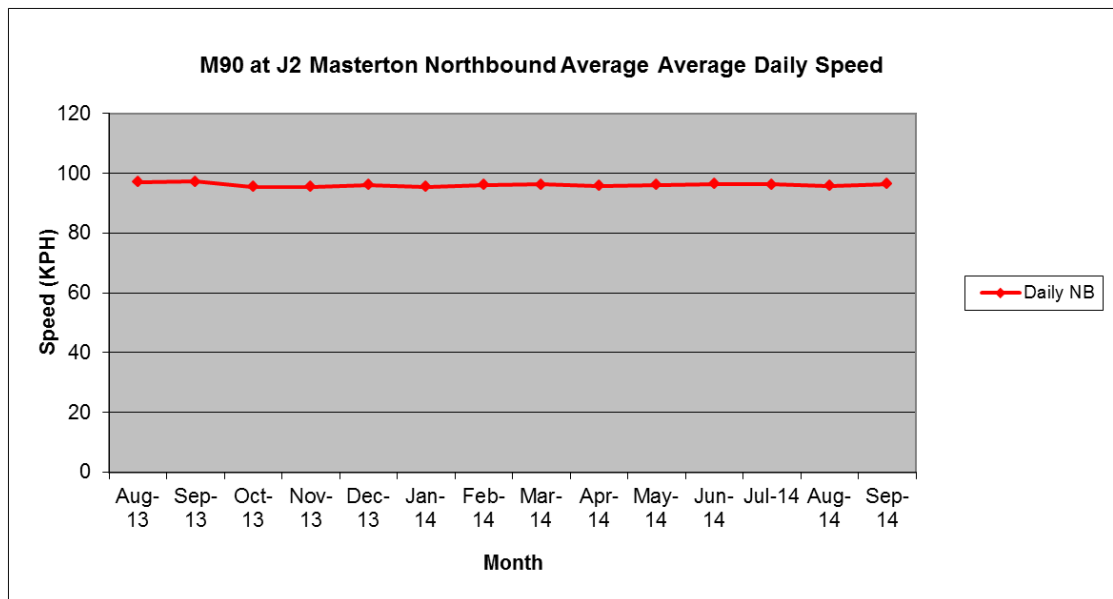


**Figure 3-108 Monthly HGV Traffic Flows on the M90 at J2 Masterton Northbound**

### 3.21.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-84 Site: NTC01149 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01149	M90 At J2 Masterton Northbound	Aug-13	97
		Sep-13	97
		Oct-13	96
		Nov-13	96
		Dec-13	96
		Jan-14	96
		Feb-14	96
		Mar-14	96
		Apr-14	96
		May-14	96
		Jun-14	96
		Jul-14	96
		Aug-14	96
		Sep-14	96



**Figure 3-109 Average Monthly Traffic Speeds (KPH) on the M90 at J2 Masterton Northbound**

### 3.22 Traffic Counter NTC01151 – M90 at J2 Masterton Southbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows over the summer months. August and September 2014 have higher HGV flows than in 2013.
- HGV flows follow a similar pattern to general traffic.

#### 3.22.1 Monthly Average Traffic Flows

**Table 3-85 Site: NTC01151 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01151	M90 at J2 Masterton Southbound	Aug-11	No Data
		Aug-13	27,090
		Sep-13	27,216
		Oct-13	26,607
		Nov-13	25,744
		Dec-13	22,974
		Jan-14	23,027
		Feb-14	24,916
		Mar-14	25,692
		Apr-14	26,867
		May-14	27,009
		Jun-14	27,861
		Jul-14	27,897
		Aug-14	28,818
		Sep-14	27,821
		<b>Annual Average</b>	<b>26,075</b>



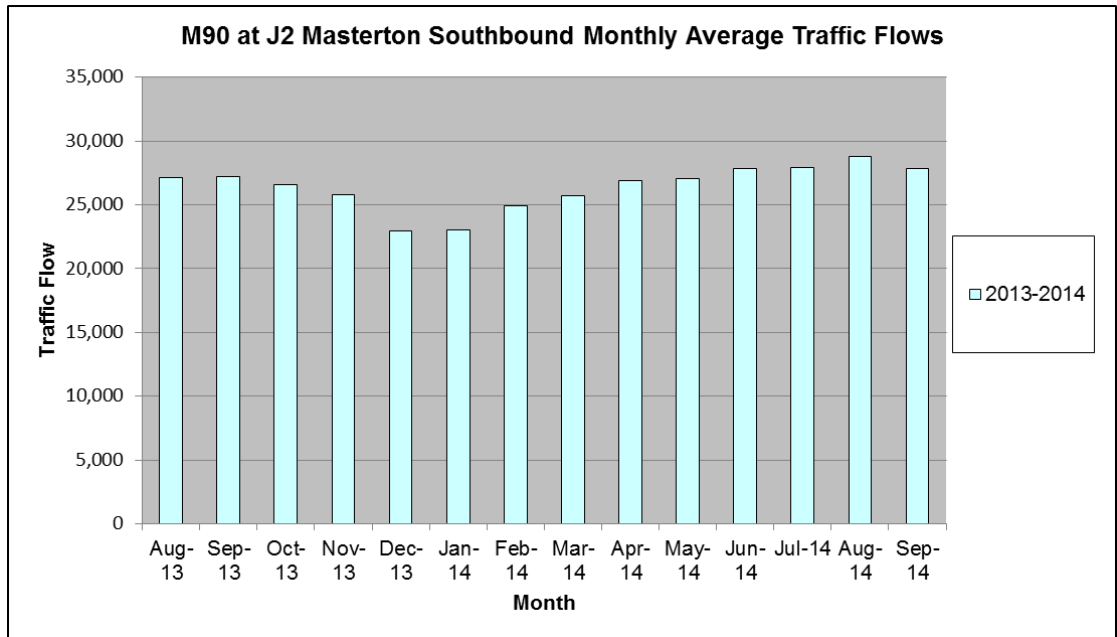


Figure 3-110 Monthly AADTs on the M90 at J2 Masterton Southbound

### 3.22.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-86 Site: NTC01151 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01151	M90 at J2 Masterton Southbound	Aug-11	No Data	No Data
		Aug-13	4,490	5,951
		Sep-13	4,860	6,097
		Oct-13	4,864	5,881
		Nov-13	4,763	5,698
		Dec-13	3,802	4,836
		Jan-14	4,235	5,068
		Feb-14	4,599	5,479
		Mar-14	4,649	5,749
		Apr-14	4,679	5,995
		May-14	4,749	5,796
		Jun-14	4,996	5,912
		Jul-14	4,818	5,851
		Aug-14	4,796	6,175
Sep-14	5,020	6,104		
		<b>Annual Average</b>	<b>4,625</b>	<b>5,693</b>

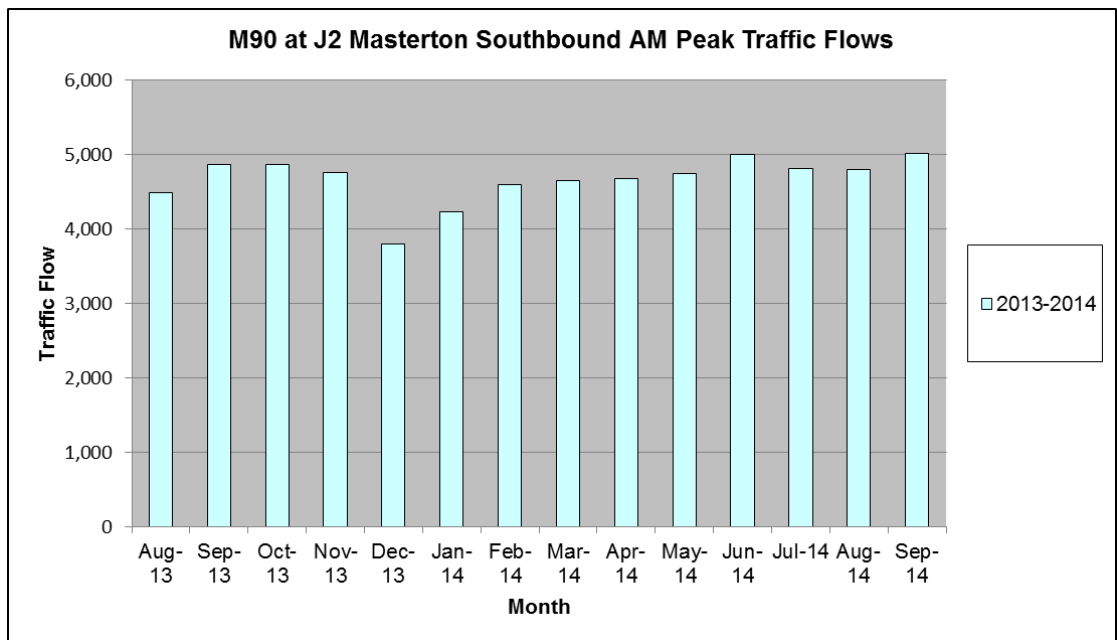


Figure 3-111 Monthly AM Peak Flows on the M90 at J2 Masterton Southbound

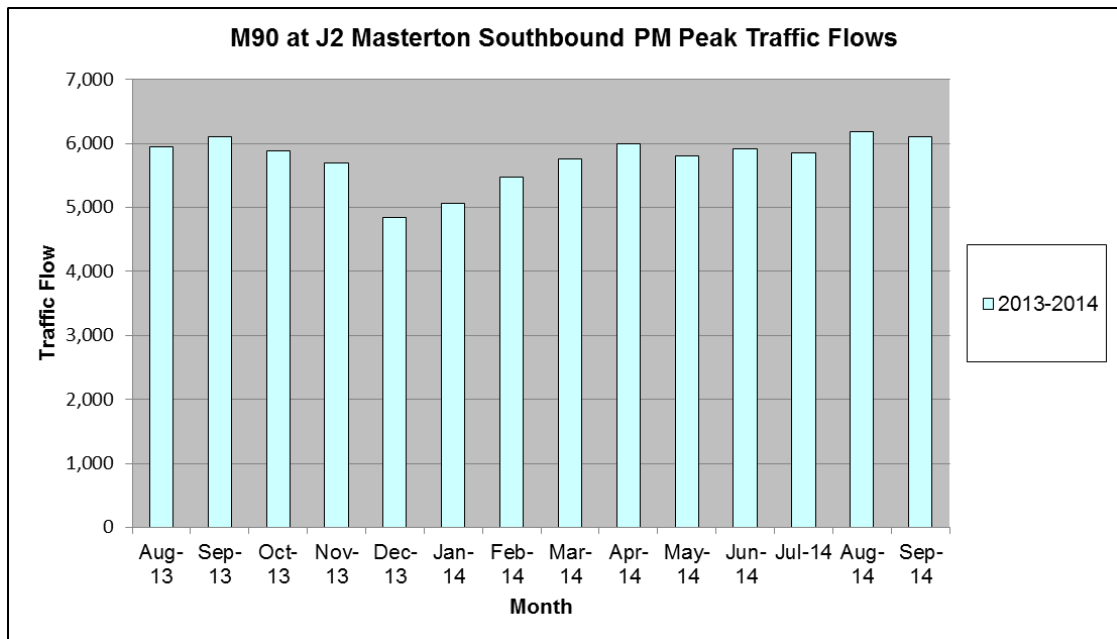
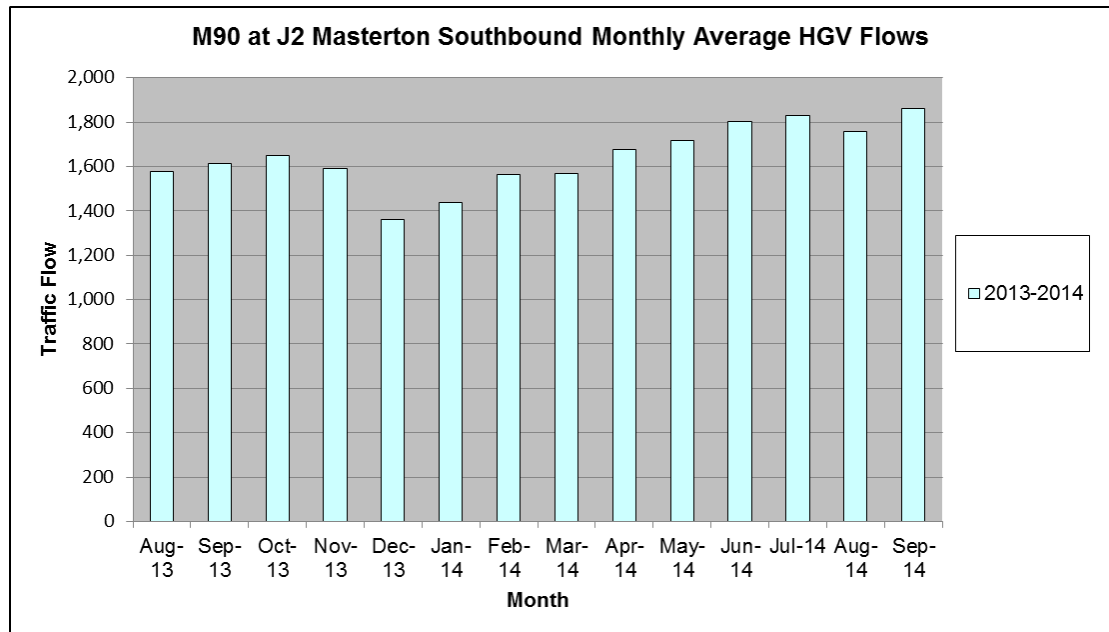


Figure 3-112 Monthly PM Peak Flows on the M90 at J2 Masterton Southbound

### 3.22.3 Monthly Average HGV Flows

**Table 3-87 Site: NTC01151 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01151	M90 at J2 Masterton Southbound	Aug-11	No Data
		Aug-13	1,575
		Sep-13	1,612
		Oct-13	1,650
		Nov-13	1,588
		Dec-13	1,362
		Jan-14	1,437
		Feb-14	1,564
		Mar-14	1,569
		Apr-14	1,675
		May-14	1,716
		Jun-14	1,801
		Jul-14	1,829
		Aug-14	1,757
		Sep-14	1,861
		<b>Annual Average</b>	<b>1,615</b>

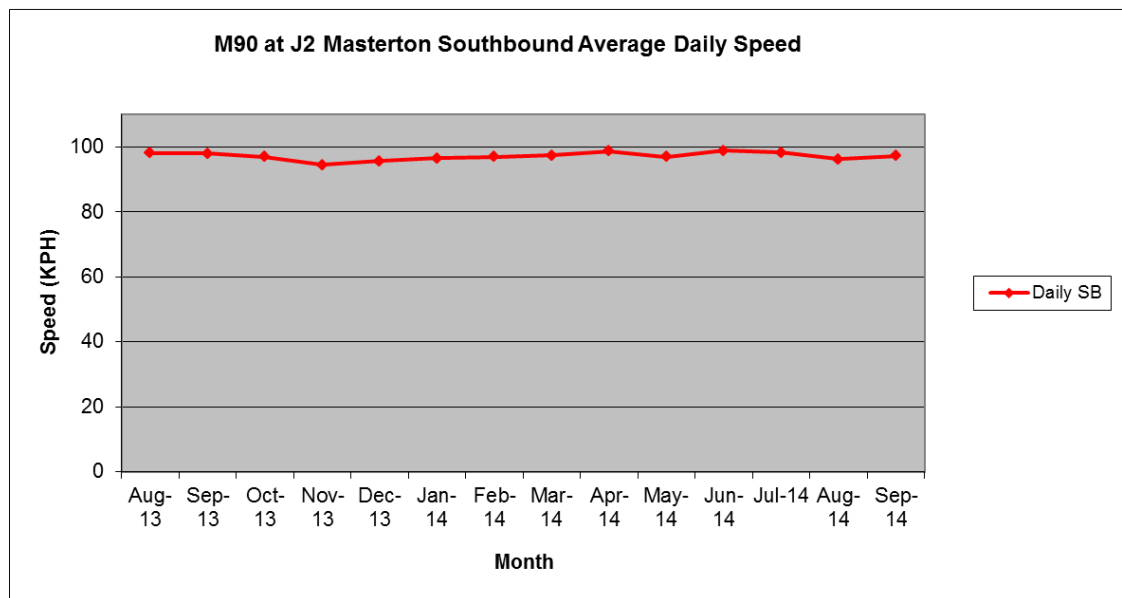


**Figure 3-113 Monthly HGV Traffic Flows on the M90 at J2 Masterton Southbound**

### 3.22.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-88 Site: NTC01151 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01151	M90 at J2 Masterton Southbound	Aug-13	98
		Sep-13	98
		Oct-13	97
		Nov-13	94
		Dec-13	96
		Jan-14	96
		Feb-14	97
		Mar-14	97
		Apr-14	99
		May-14	97
		Jun-14	99
		Jul-14	98
		Aug-14	96
		Sep-14	97



**Figure 3-114 Average Monthly Traffic Speeds (KPH) on the M90 at J2 Masterton Southbound**

### 3.23 Traffic Counter NTC01180 – M90 J2a Halbeath Northbound Off-Ramp

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Limited traffic flow data was available for May to September 2014, therefore the data was not considered to be sufficiently representative for analysis.
- Traffic flows peak in August 2013.
- HGV flows peak in April 2014.

#### 3.23.1 Monthly Average Traffic Flows

**Table 3-89 Site: NTC01180 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01180	M90 at J2a Halbeath Northbound Off-Ramp	Aug-11	No Data
		Aug-13	14,019
		Sep-13	13,412
		Oct-13	13,374
		Nov-13	12,879
		Dec-13	11,488
		Jan-14	11,838
		Feb-14	12,775
		Mar-14	12,631
		Apr-14	11,856
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	No Data
		<b>Annual Average</b>	<b>No Data</b>

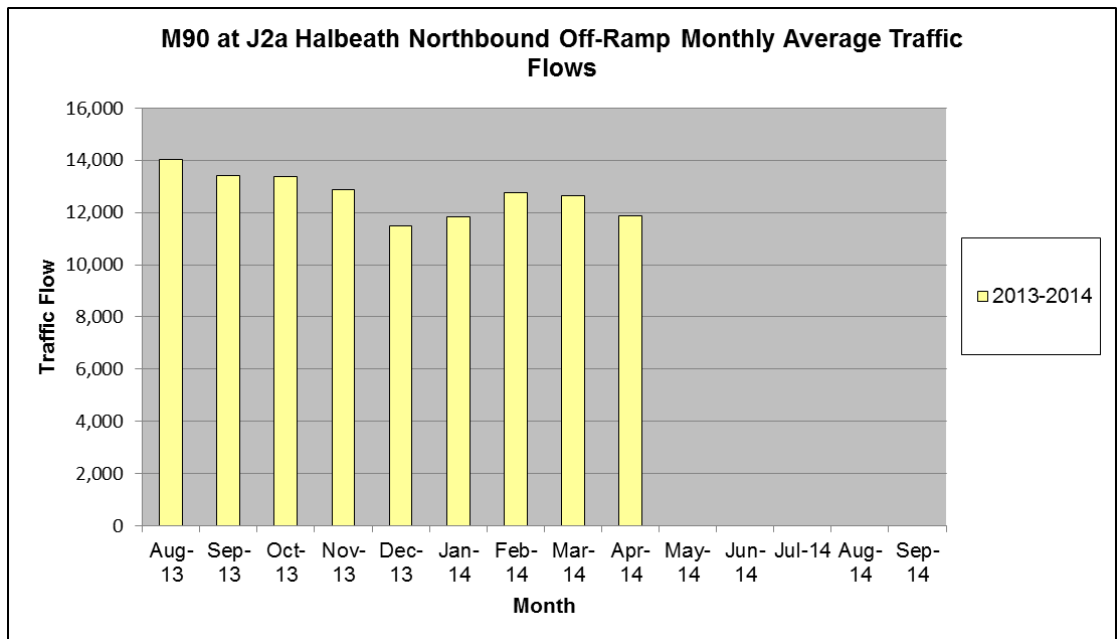


Figure 3-115 Monthly AADTs on the M90 at J2a Halbeath Northbound Off-Ramp

### 3.23.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-90 Site: NTC01180 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01180	M90 at J2a Halbeath Northbound Off-Ramp	Aug-11	No Data	No Data
		Aug-13	2,501	3,599
		Sep-13	2,547	3,420
		Oct-13	2,543	3,484
		Nov-13	2,457	3,286
		Dec-13	1,980	2,848
		Jan-14	2,298	3,060
		Feb-14	2,503	3,298
		Mar-14	2,422	3,162
		Apr-14	2,200	2,946
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data
	<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	

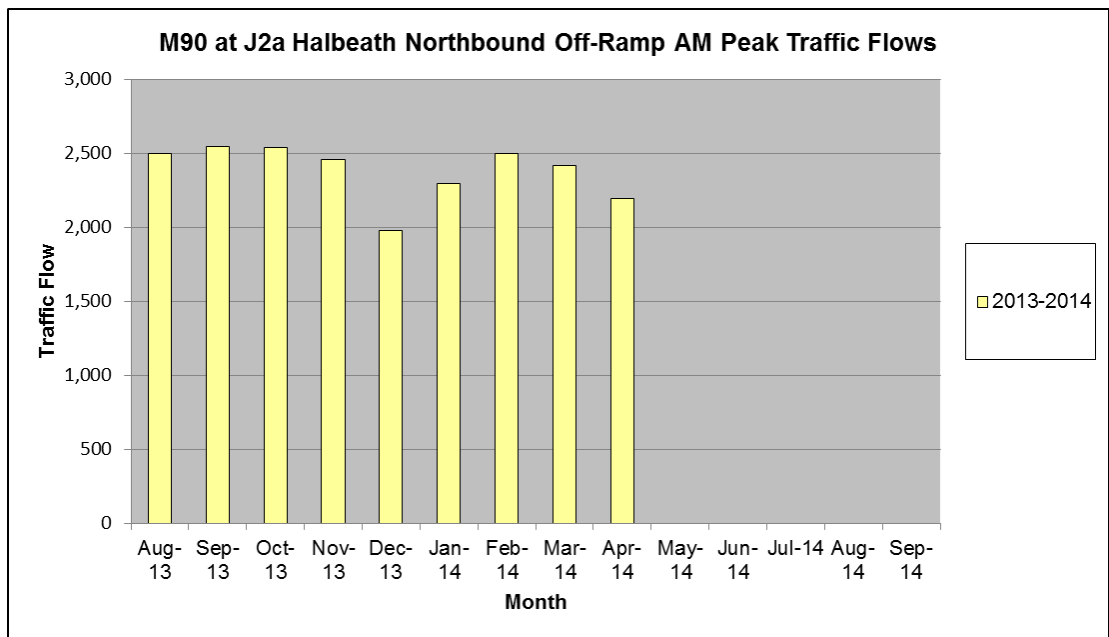


Figure 3-116 Monthly AM Peak Flows on the M90 at J2a Halbeath Northbound Off-Ramp

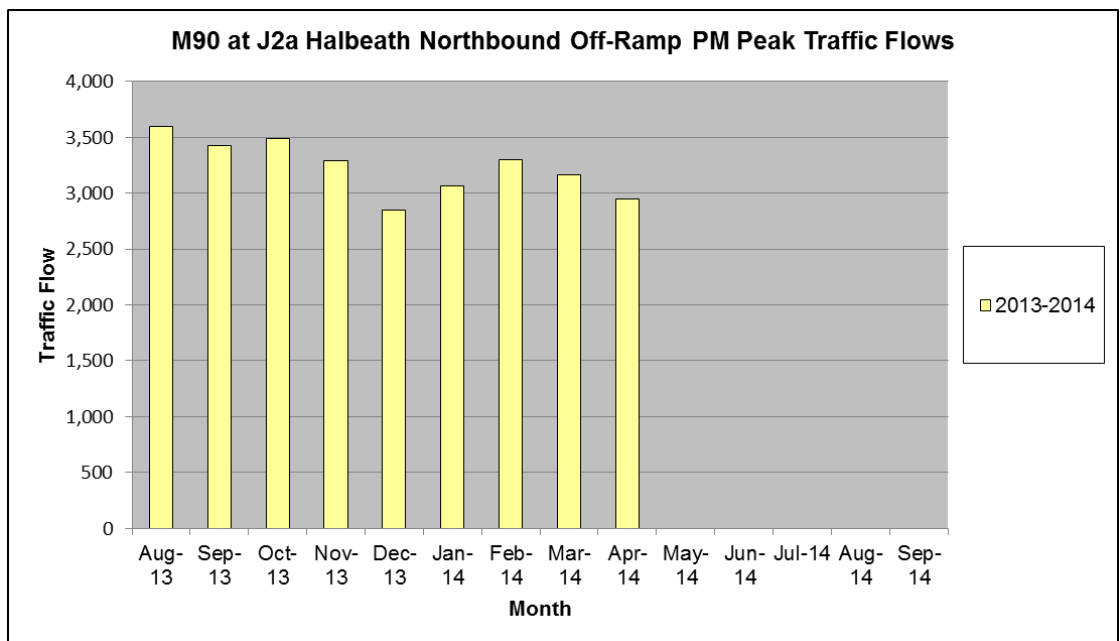
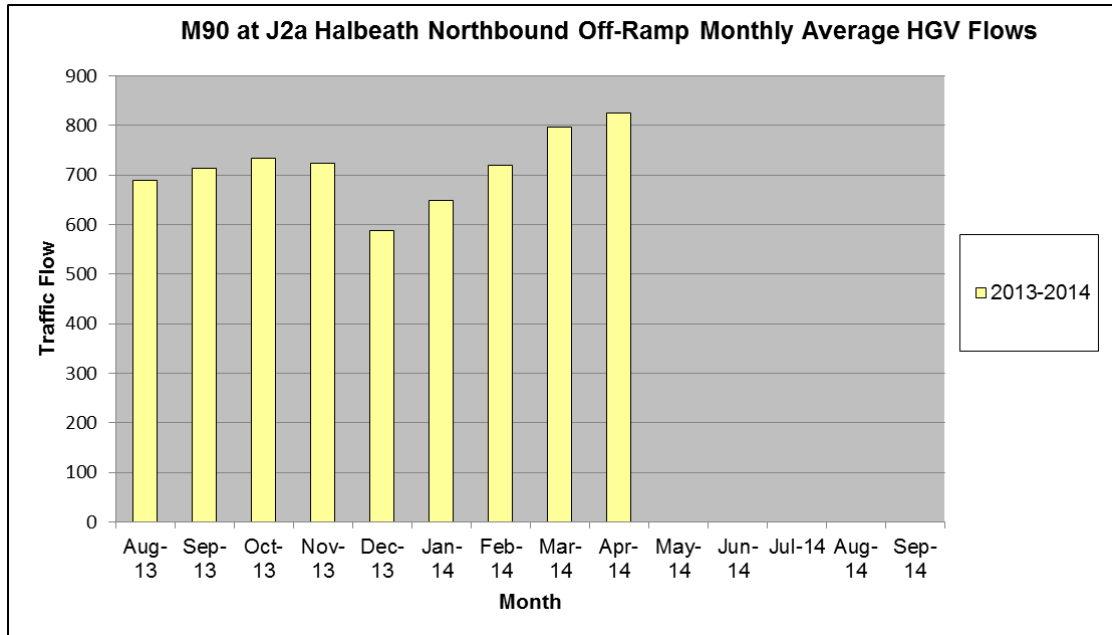


Figure 3-117 Monthly PM Peak Flows on the M90 at J2a Halbeath Northbound Off-Ramp

### 3.23.3 Monthly Average HGV Flows

**Table 3-91 Site: NTC01180 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01180	M90 at J2a Halbeath Northbound Off-Ramp	Aug-11	No Data
		Aug-13	689
		Sep-13	713
		Oct-13	734
		Nov-13	723
		Dec-13	587
		Jan-14	649
		Feb-14	719
		Mar-14	797
		Apr-14	826
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	No Data



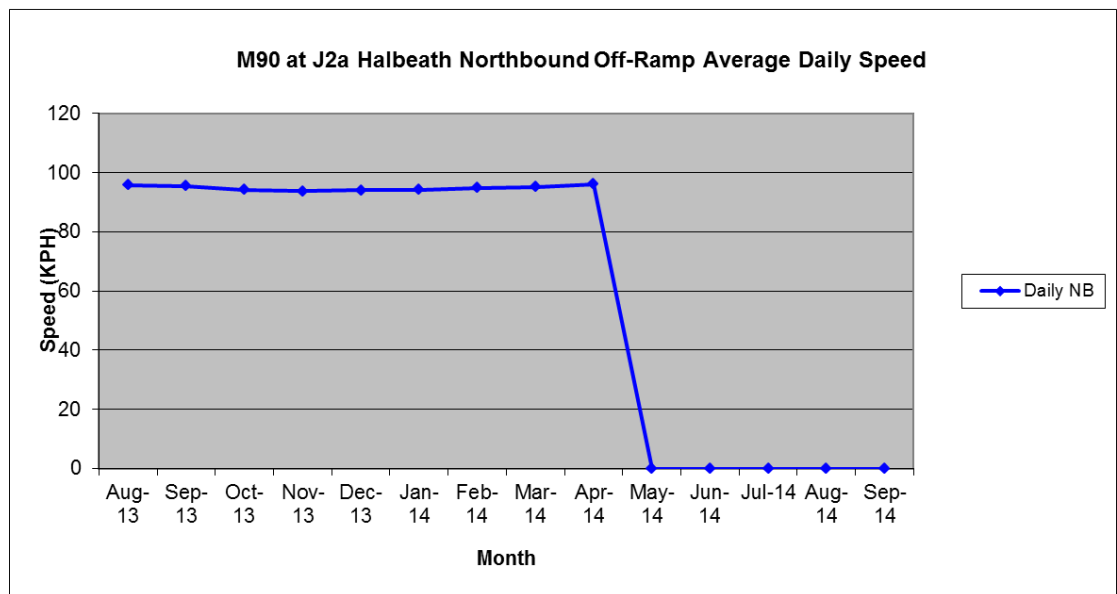
**Figure 3-118 Monthly HGV Traffic Flows on the M90 at J2a Halbeath Northbound Off-Ramp**



### 3.23.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-92 Site: NTC01180 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01180	M90 at J2a Halbeath Northbound Off-Ramp	Aug-13	96
		Sep-13	96
		Oct-13	94
		Nov-13	94
		Dec-13	94
		Jan-14	94
		Feb-14	95
		Mar-14	95
		Apr-14	96
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	No Data



**Figure 3-119 Average Monthly Traffic Speeds (KPH) on the M90 at J2a Halbeath Northbound Off-Ramp**

### 3.24 Traffic Counter NTC01200 – A92 at J2a Halbeath Southbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.24.1 Monthly Average Traffic Flows

**Table 3-93 Site: NTC01200 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01200	A92 at J2a Halbeath Southbound	Aug-11	No Data
		Aug-13	14,238
		Sep-13	13,758
		Oct-13	13,569
		Nov-13	13,285
		Dec-13	11,848
		Jan-14	12,235
		Feb-14	13,161
		Mar-14	13,363
		Apr-14	13,717
		May-14	13,509
		Jun-14	13,869
		Jul-14	13,725
		Aug-14	14,179
		Sep-14	13,932
		<b>Annual Average</b>	<b>13,356</b>

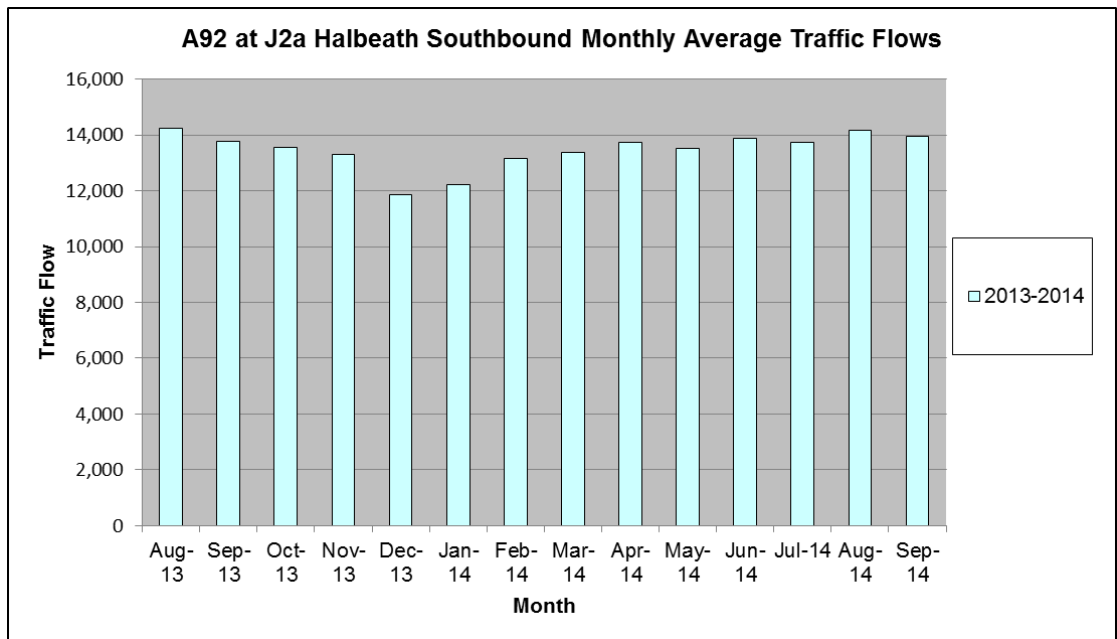


Figure 3-120 Monthly AADTs on the A92 at J2a Halbeath Southbound

### 3.24.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-94 Site: NTC01200 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01200	A92 At J2a Halbeath Southbound	Aug-11	No Data	No Data
		Aug-13	2,903	2,955
		Sep-13	2,890	2,894
		Oct-13	2,926	2,835
		Nov-13	2,904	2,734
		Dec-13	2,398	2,302
		Jan-14	2,632	2,521
		Feb-14	2,865	2,707
		Mar-14	2,834	2,780
		Apr-14	2,840	2,883
		May-14	2,841	2,775
		Jun-14	2,890	2,785
		Jul-14	2,830	2,736
		Aug-14	2,832	2,880
		Sep-14	3,008	2,854
	<b>Annual Average</b>	<b>2,813</b>	<b>2,742</b>	

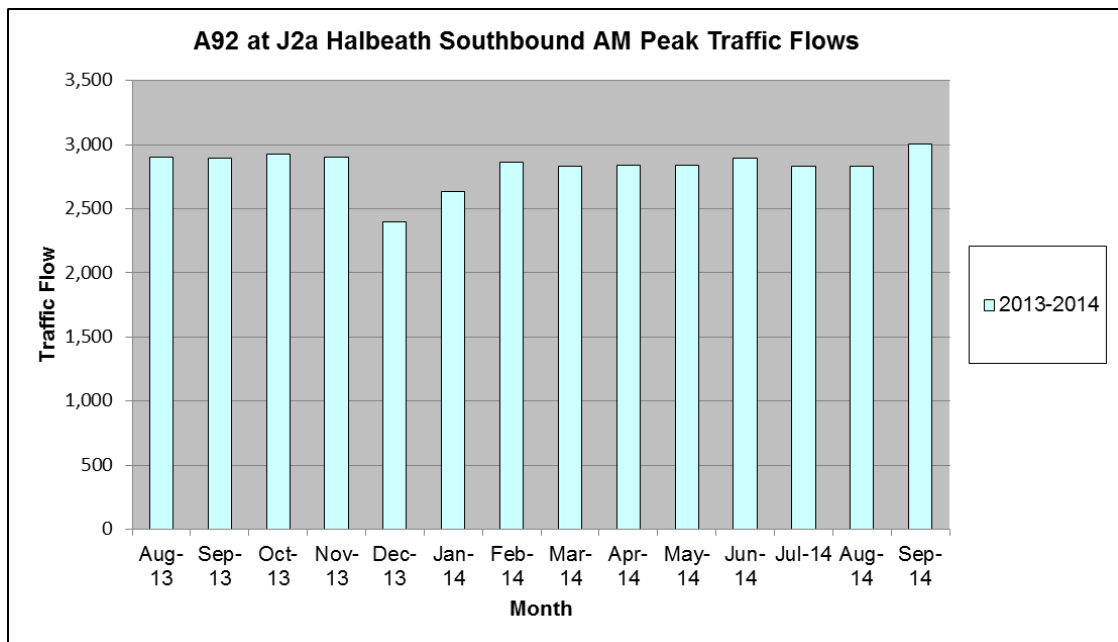


Figure 3-121 Monthly AM Peak Flows on the A92 at J2a Halbeath Southbound

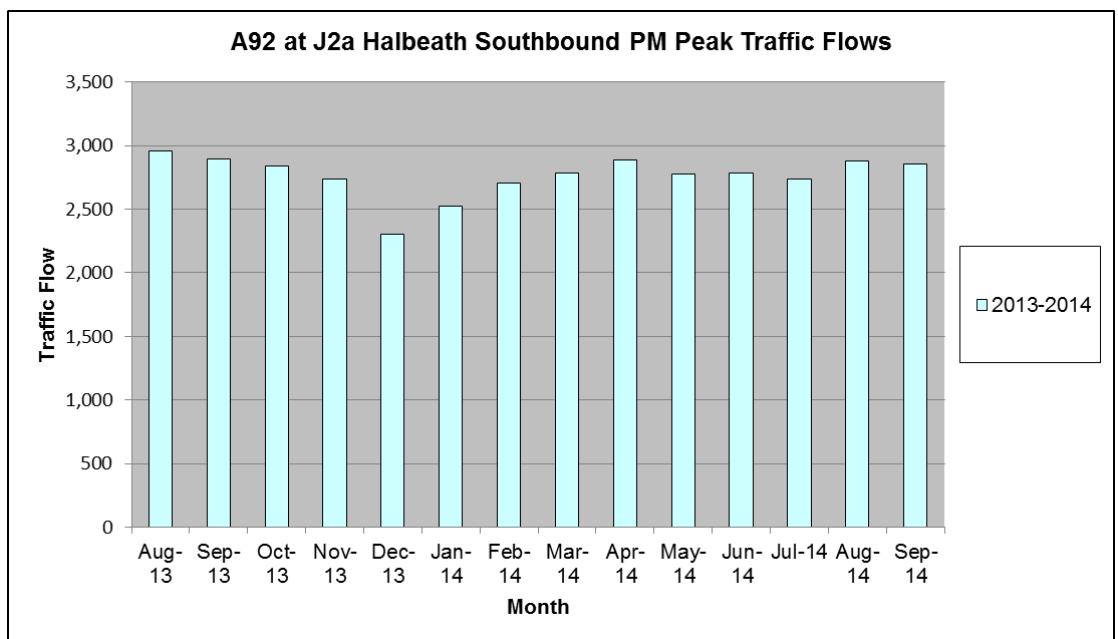


Figure 3-122 Monthly PM Peak Flows on the A92 at J2a Halbeath Southbound

### 3.24.3 Monthly Average HGV Flows

Table 3-95 Site: NTC01200 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
NTC01200	A92 At J2a Halbeath Southbound	Aug-11	No Data
		Aug-13	688
		Sep-13	711
		Oct-13	723
		Nov-13	689
		Dec-13	581
		Jan-14	635
		Feb-14	693
		Mar-14	698
		Apr-14	714
		May-14	707
		Jun-14	749
		Jul-14	778
		Aug-14	761
		Sep-14	788
		<b>Annual Average</b>	<b>697</b>

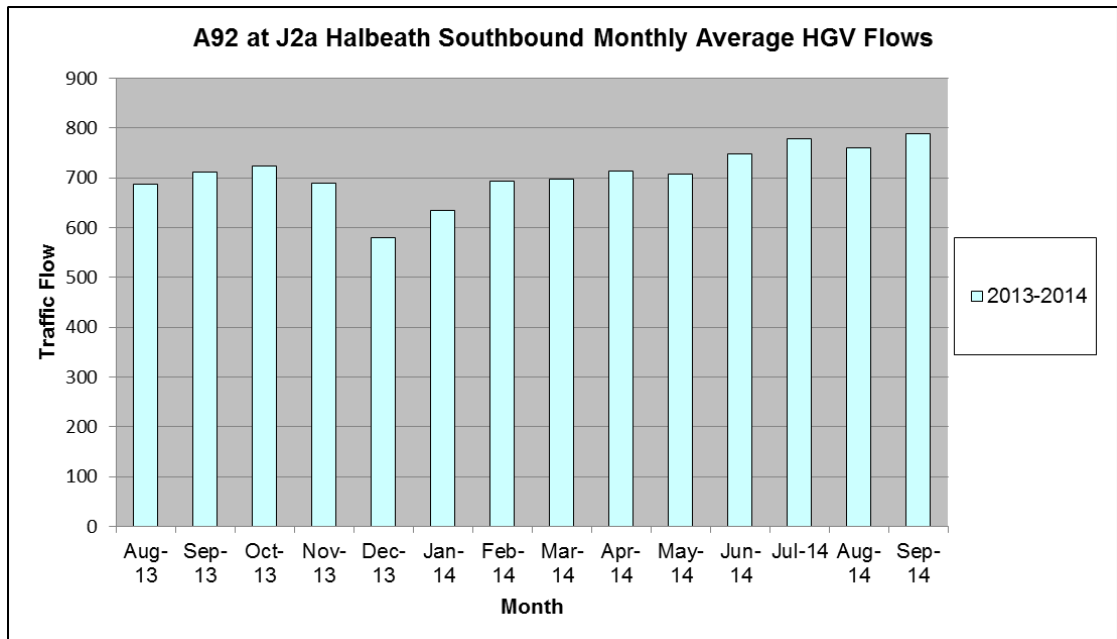
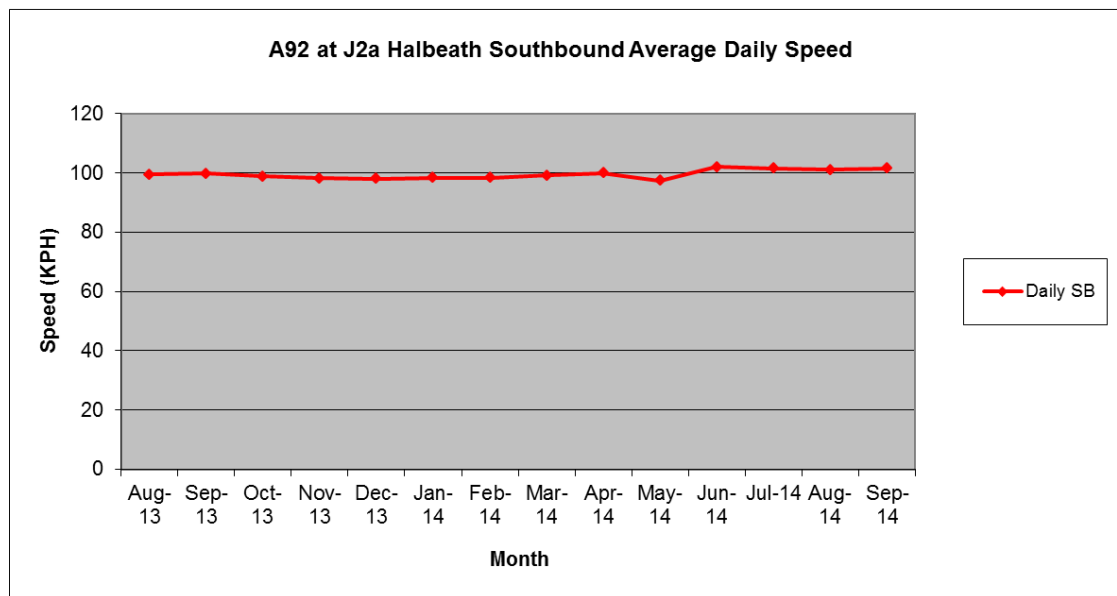


Figure 3-123 Monthly HGV Traffic Flows on the A92 at J2a Halbeath Southbound

### 3.24.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-96 Site: NTC01200 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01200	A92 At J2a Halbeath Southbound	Aug-13	100
		Sep-13	100
		Oct-13	99
		Nov-13	98
		Dec-13	98
		Jan-14	98
		Feb-14	98
		Mar-14	99
		Apr-14	100
		May-14	97
		Jun-14	102
		Jul-14	102
		Aug-14	101
		Sep-14	102



**Figure 3-124 Average Monthly Traffic Speeds (KPH) on the A92 at J2a Halbeath Southbound**

### 3.25 Traffic Counter NTC01189 – M90 at J3 Crossgates Northbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows in the summer months. There is a significant reduction in traffic flows in February 2014.
- HGV flows follow a similar pattern to general traffic.

#### 3.25.1 Monthly Average Traffic Flows

**Table 3-97 Site: NTC01189 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01189	M90 at J3 Crossgates Northbound	Aug-11	No Data
		Aug-13	13,919
		Sep-13	13,066
		Oct-13	12,852
		Nov-13	12,329
		Dec-13	10,977
		Jan-14	10,425
		Feb-14	8,126
		Mar-14	12,092
		Apr-14	12,445
		May-14	13,329
		Jun-14	13,393
		Jul-14	13,601
		Aug-14	No Data
		Sep-14	13,484
		<b>Annual Average</b>	<b>12,213</b>

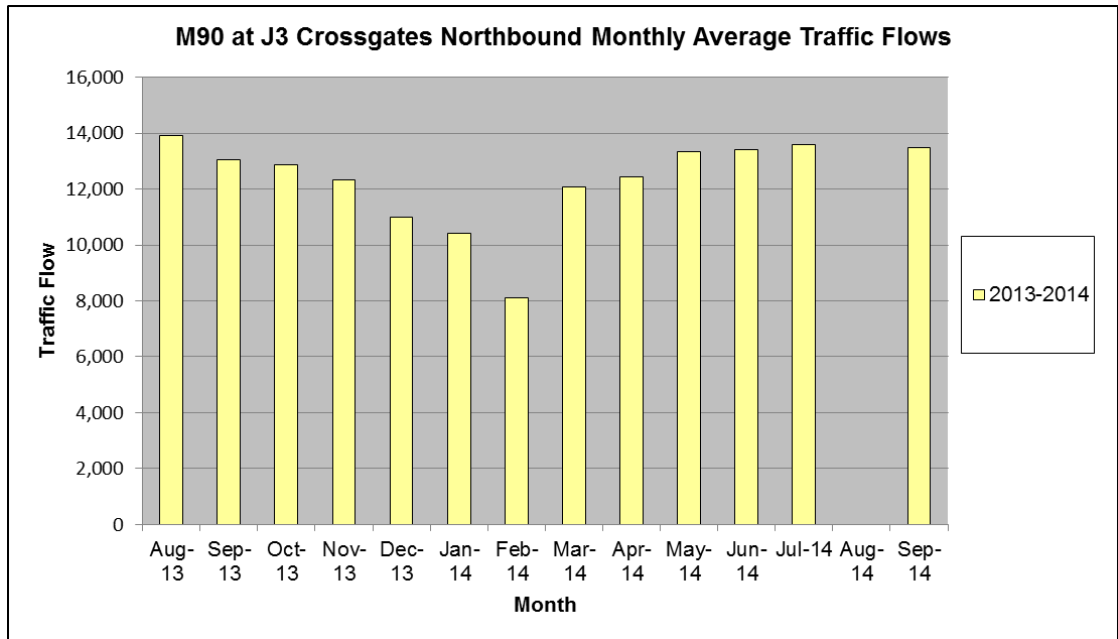


Figure 3-125 Monthly AADTs on the M90 at J3 Crossgates Northbound

### 3.25.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-98 Site: NTC01189 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01189	M90 at J3 Crossgates Northbound	Aug-11	No Data	No Data
		Aug-13	2,321	3,133
		Sep-13	2,238	3,038
		Oct-13	2,248	2,984
		Nov-13	2,266	2,927
		Dec-13	1,713	2,485
		Jan-14	1,850	2,586
		Feb-14	1,529	2,074
		Mar-14	2,177	2,839
		Apr-14	2,178	2,790
		May-14	2,259	3,128
		Jun-14	2,234	3,125
		Jul-14	2,400	2,863
		Aug-14	No Data	No Data
		Sep-14	2,457	3,025
	<b>Annual Average</b>	<b>2,118</b>	<b>2,831</b>	



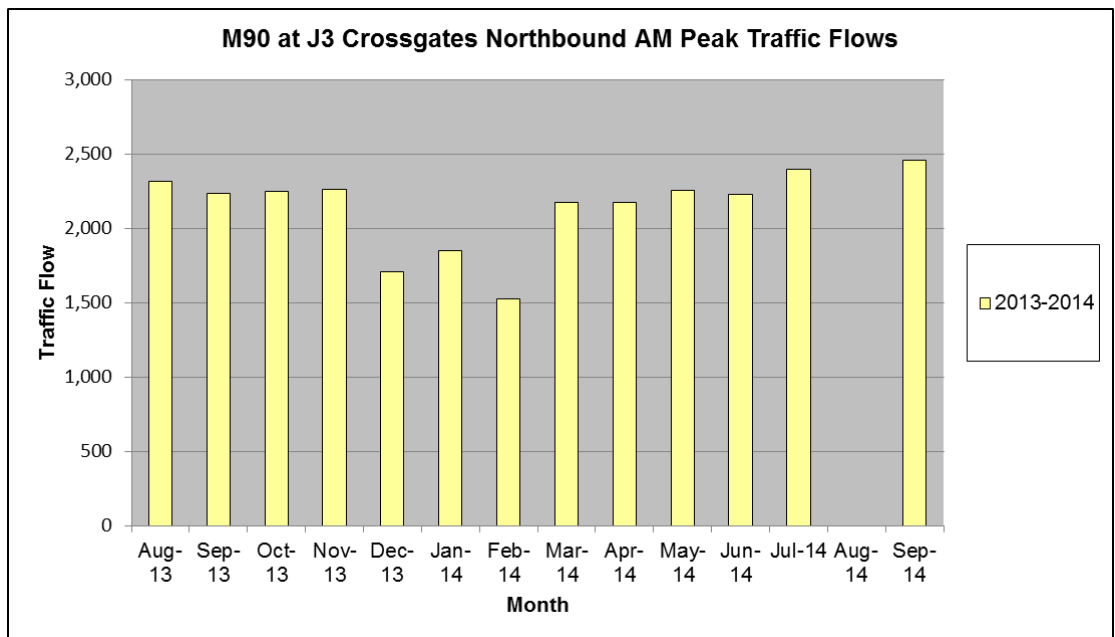


Figure 3-126 Monthly AM Peak Flows on the M90 at J3 Crossgates Northbound

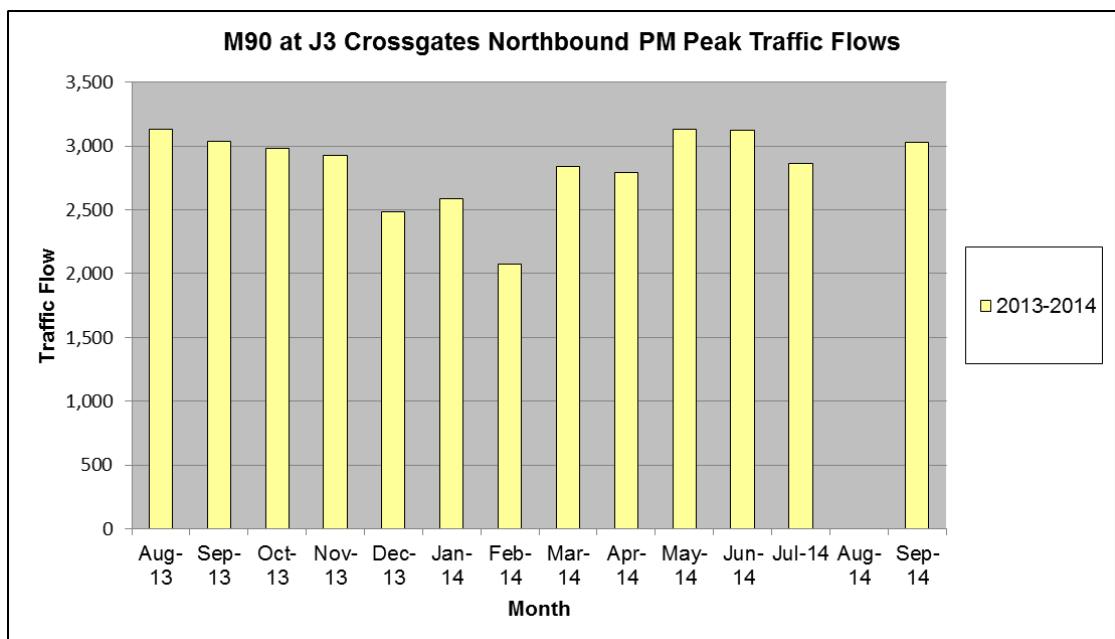


Figure 3-127 Monthly PM Peak Flows on the M90 at J3 Crossgates Northbound

### 3.25.3 Monthly Average HGV Flows

Table 3-99 Site: NTC01189 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
NTC01189	M90 at J3 Crossgates Northbound	Aug-11	No Data
		Aug-13	849
		Sep-13	832
		Oct-13	848
		Nov-13	853
		Dec-13	678
		Jan-14	697
		Feb-14	424
		Mar-14	773
		Apr-14	858
		May-14	899
		Jun-14	911
		Jul-14	950
		Aug-14	No Data
		Sep-14	862

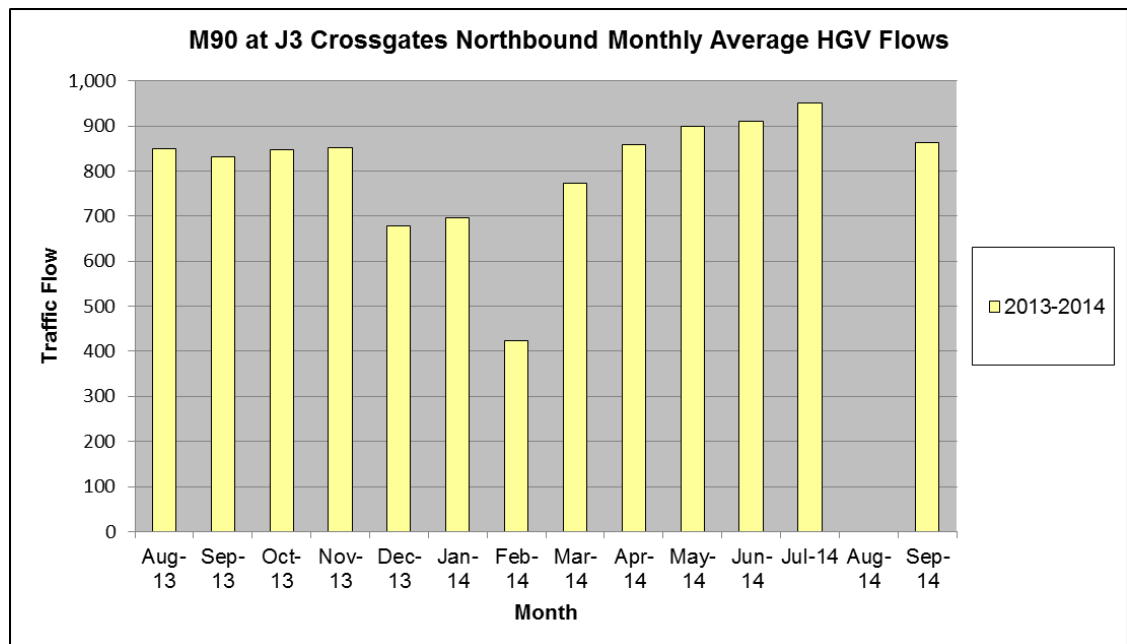
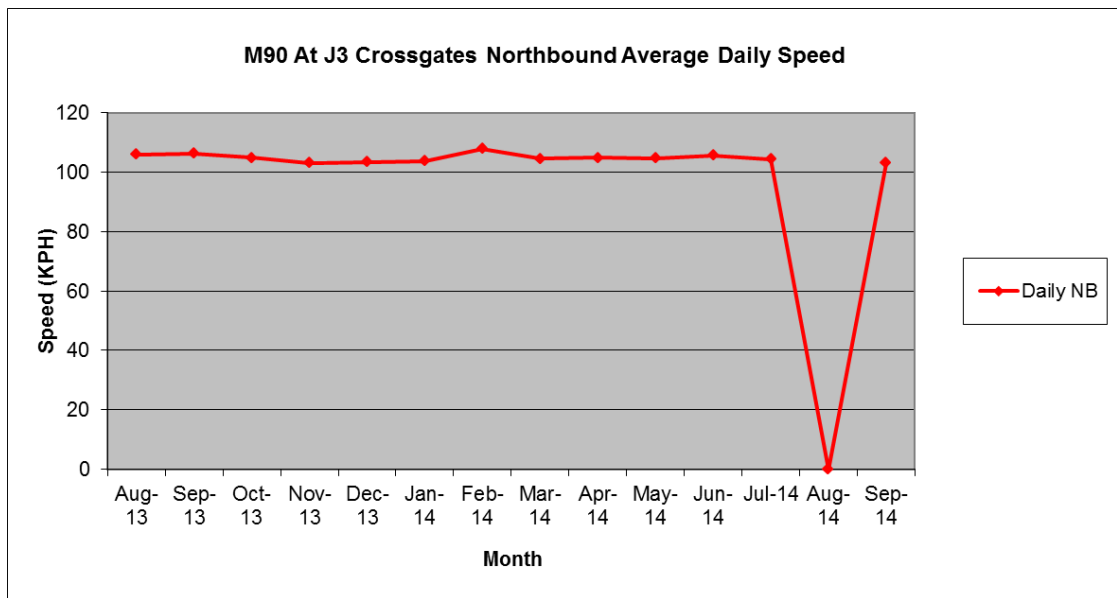


Figure 3-128 Monthly HGV Traffic Flows on the M90 at J3 Crossgates Northbound

### 3.25.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-100 Site: NTC01189 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01189	M90 at J3 Crossgates Northbound	Aug-13	106
		Sep-13	106
		Oct-13	105
		Nov-13	103
		Dec-13	104
		Jan-14	104
		Feb-14	108
		Mar-14	105
		Apr-14	105
		May-14	105
		Jun-14	106
		Jul-14	104
		Aug-14	No Data
		Sep-14	103



**Figure 3-129 Average Monthly Traffic Speeds (KPH) on the M90 at J3 Crossgates Northbound**

### 3.26 Traffic Counter NTC01190 – M90 at J3 Crossgates Northbound On-Ramp

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are consistent throughout the year.
- HGV flows appear to follow a seasonal type of pattern, with a peak in June 2014.

#### 3.26.1 Monthly Average Traffic Flows

**Table 3-101 Site: NTC01190 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01190	M90 at J3 Crossgates Northbound On-Ramp	Aug-11	No Data
		Aug-13	3,886
		Sep-13	3,833
		Oct-13	3,818
		Nov-13	3,867
		Dec-13	3,681
		Jan-14	3,582
		Feb-14	3,819
		Mar-14	3,920
		Apr-14	4,026
		May-14	3,958
		Jun-14	3,789
		Jul-14	3,870
		Aug-14	No Data
		Sep-14	3,965
		<b>Annual Average</b>	<b>3,837</b>

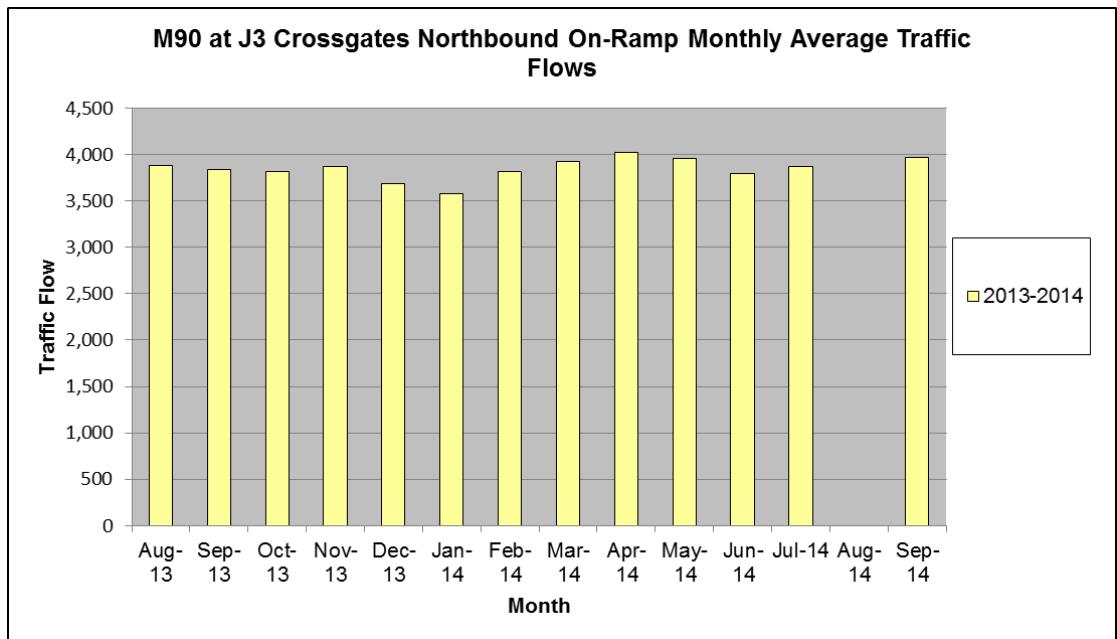


Figure 3-130 Monthly AADTs on the M90 at J3 Crossgates Northbound On-Ramp

### 3.26.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-102 Site: NTC01190 Monthly Northbound AM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01190	M90 at J3 Crossgates Northbound On-Ramp	Aug-11	No Data	No Data
		Aug-13	657	1,002
		Sep-13	705	990
		Oct-13	679	964
		Nov-13	696	923
		Dec-13	567	843
		Jan-14	614	871
		Feb-14	679	915
		Mar-14	682	929
		Apr-14	677	953
		May-14	680	921
		Jun-14	615	905
		Jul-14	648	882
		Aug-14	No Data	No Data
		Sep-14	726	946
	<b>Annual Average</b>	<b>658</b>	<b>925</b>	

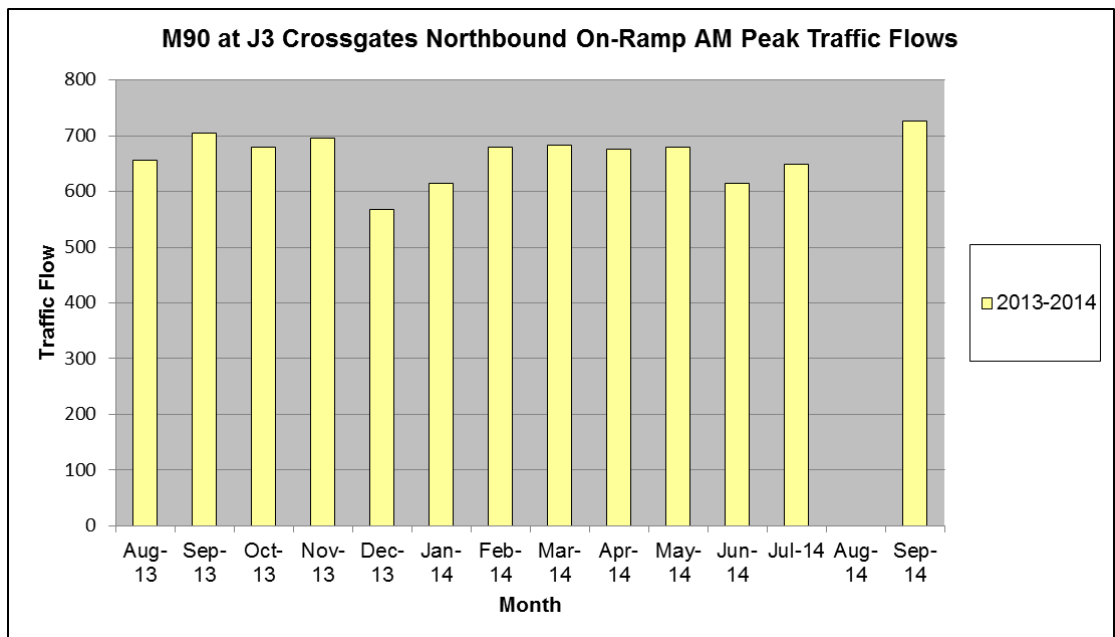


Figure 3-131 Monthly AM Peak Flows on the M90 at J3 Crossgates Northbound On-Ramp

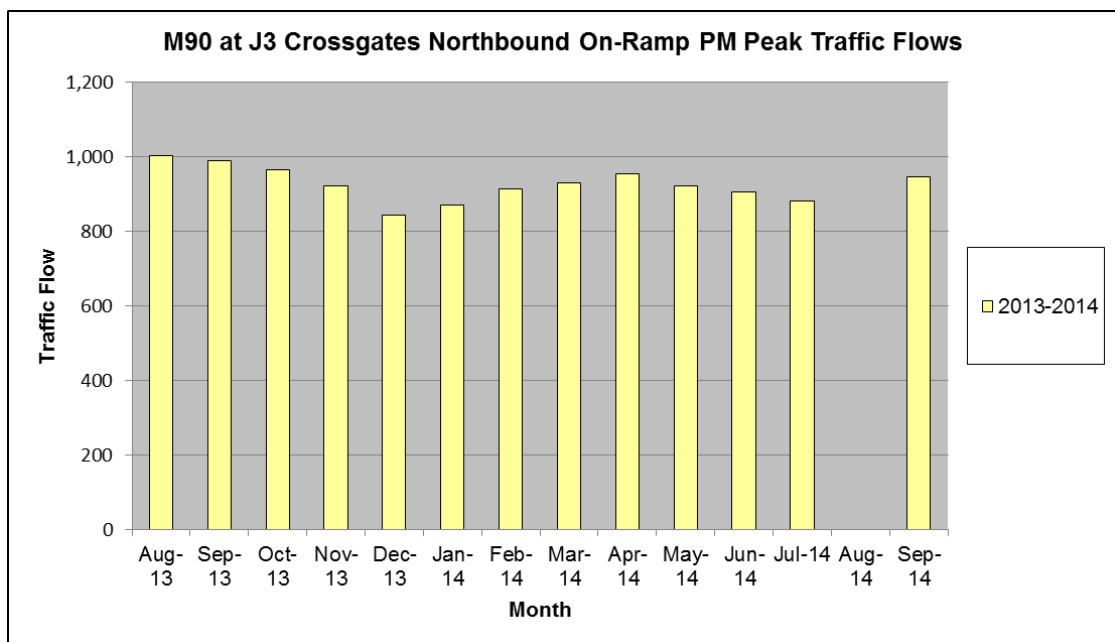
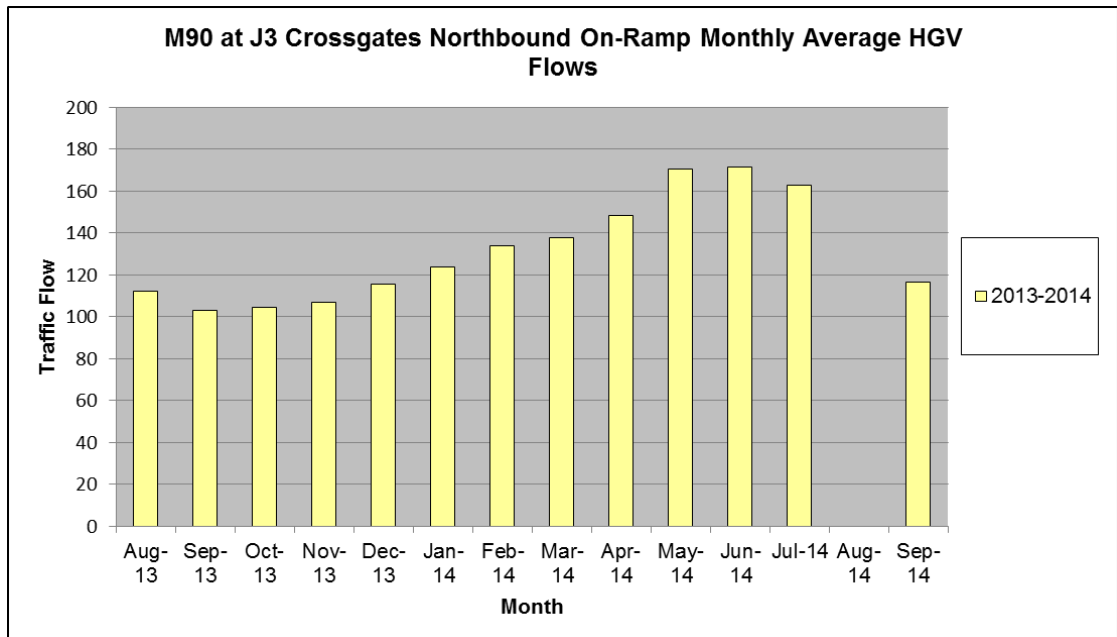


Figure 3-132 Monthly PM Peak Flows on the M90 at J3 Crossgates Northbound On-Ramp

### 3.26.3 Monthly Average HGV Flows

**Table 3-103 Site: NTC01190 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01190	M90 at J3 Crossgates Northbound On-Ramp	Aug-11	No Data
		Aug-13	112
		Sep-13	103
		Oct-13	105
		Nov-13	107
		Dec-13	116
		Jan-14	124
		Feb-14	134
		Mar-14	138
		Apr-14	148
		May-14	171
		Jun-14	172
		Jul-14	163
		Aug-14	No Data
		Sep-14	117
		<b>Annual Average</b>	<b>133</b>

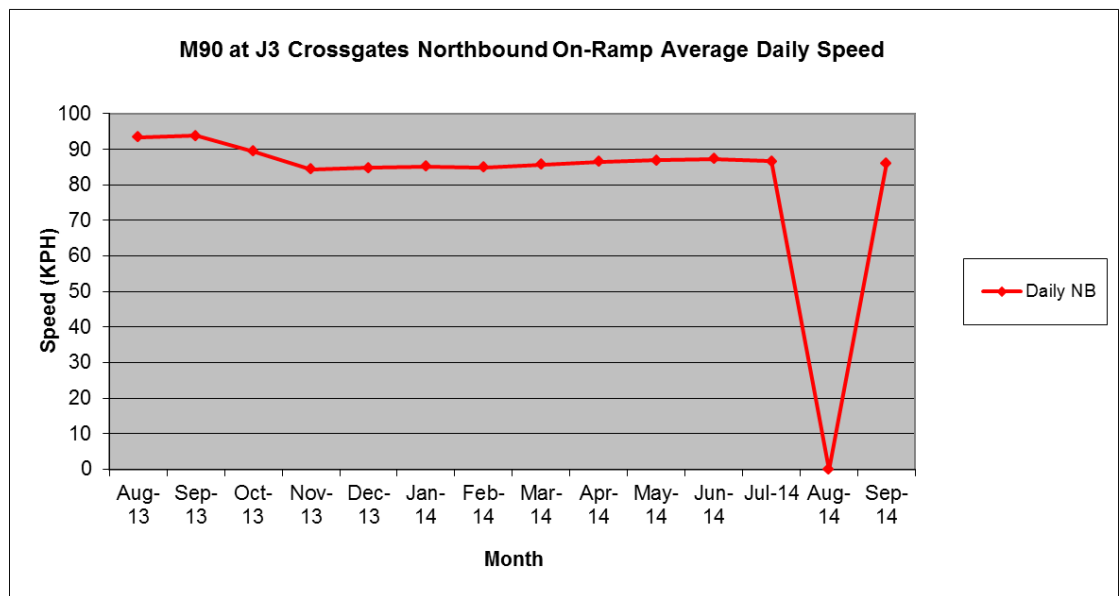


**Figure 3-133 Monthly HGV Traffic Flows on the M90 at J3 Crossgates Northbound On-Ramp**

### 3.26.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-104 Site: NTC01190 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01190	M90 at J3 Crossgates Northbound On-Ramp	Aug-13	93
		Sep-13	94
		Oct-13	89
		Nov-13	84
		Dec-13	85
		Jan-14	85
		Feb-14	85
		Mar-14	86
		Apr-14	86
		May-14	87
		Jun-14	87
		Jul-14	87
		Aug-14	No Data
		Sep-14	86



**Figure 3-134 Average Monthly Traffic Speeds (KPH) on the M90 at J3 Crossgates Northbound On-Ramp**



### 3.27 Traffic Counter NTC01191 – M90 at J3 Crossgates Southbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic, however there is a large increase in September 2014.

#### 3.27.1 Monthly Average Traffic Flows

**Table 3-105 Site: NTC01191 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01191	M90 at J3 Crossgates Southbound	Aug-11	No Data
		Aug-13	12,378
		Sep-13	11,860
		Oct-13	11,746
		Nov-13	11,598
		Dec-13	10,001
		Jan-14	9,937
		Feb-14	10,970
		Mar-14	11,333
		Apr-14	12,172
		May-14	12,390
		Jun-14	12,337
		Jul-14	12,303
		Aug-14	No Data
		Sep-14	12,441
		<b>Annual Average</b>	<b>11,585</b>

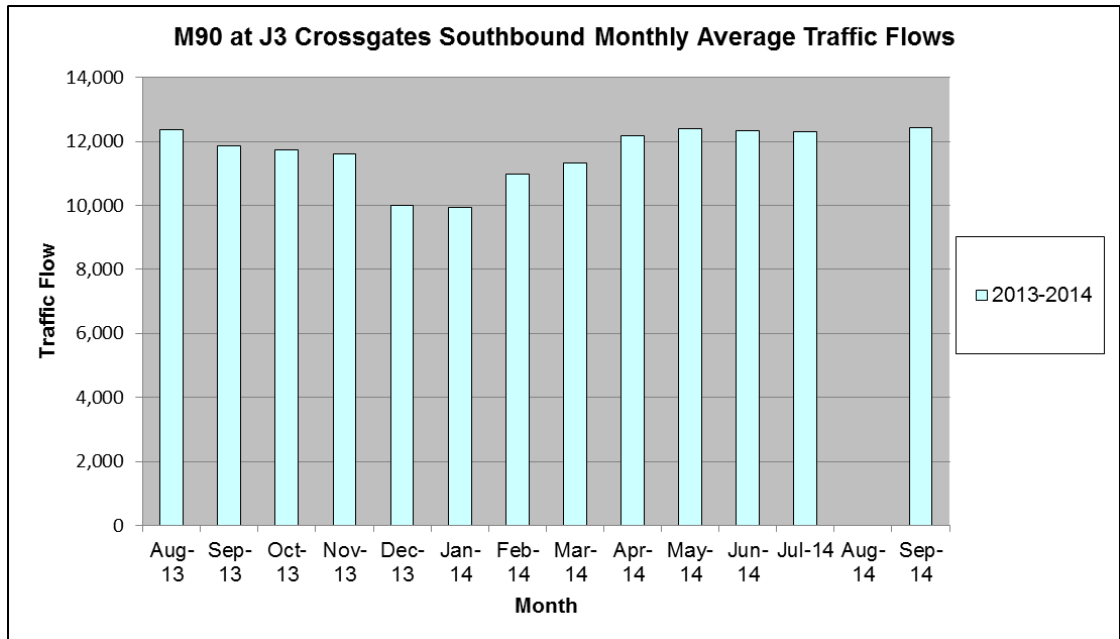


Figure 3-135 Monthly AADTs on the M90 at J3 Crossgates Southbound

### 3.27.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-106 Site: NTC01191 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01191	M90 at J3 Crossgates Southbound	Aug-11	No Data	No Data
		Aug-13	2,057	2,575
		Sep-13	2,063	2,519
		Oct-13	2,045	2,621
		Nov-13	2,154	2,642
		Dec-13	1,632	2,158
		Jan-14	1,872	2,218
		Feb-14	2,048	2,443
		Mar-14	2,062	2,599
		Apr-14	2,073	2,805
		May-14	2,158	2,786
		Jun-14	2,178	2,740
		Jul-14	2,018	2,614
		Aug-14	No Data	No Data
Sep-14	2,164	2,924		
	<b>Annual Average</b>	<b>2,030</b>	<b>2,560</b>	

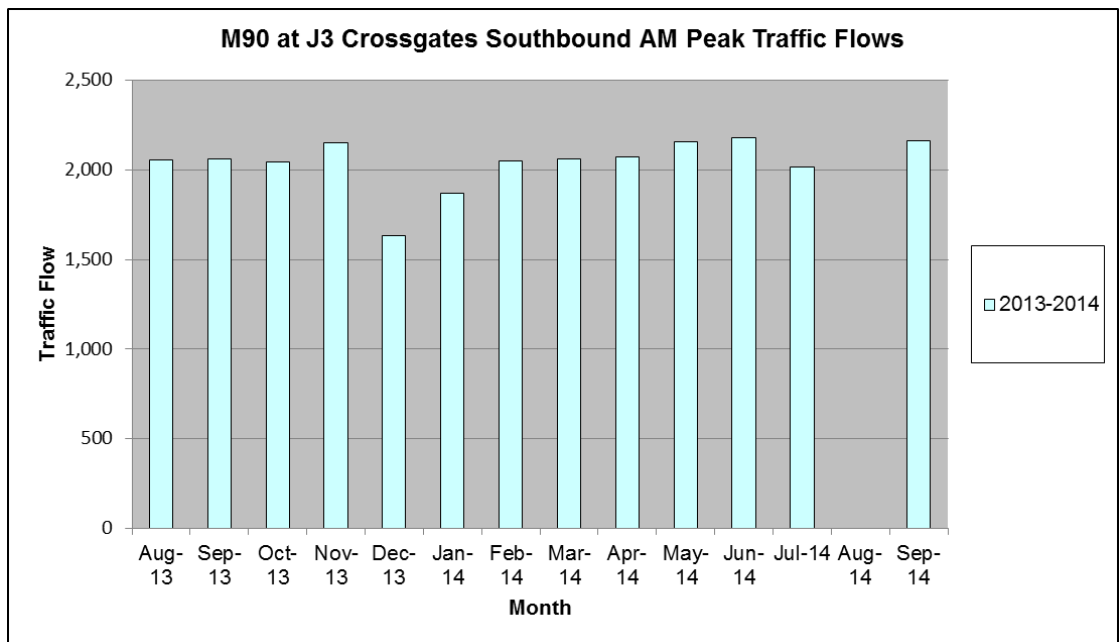


Figure 3-136 Monthly AM Peak Flows on the M90 at J3 Crossgates Southbound

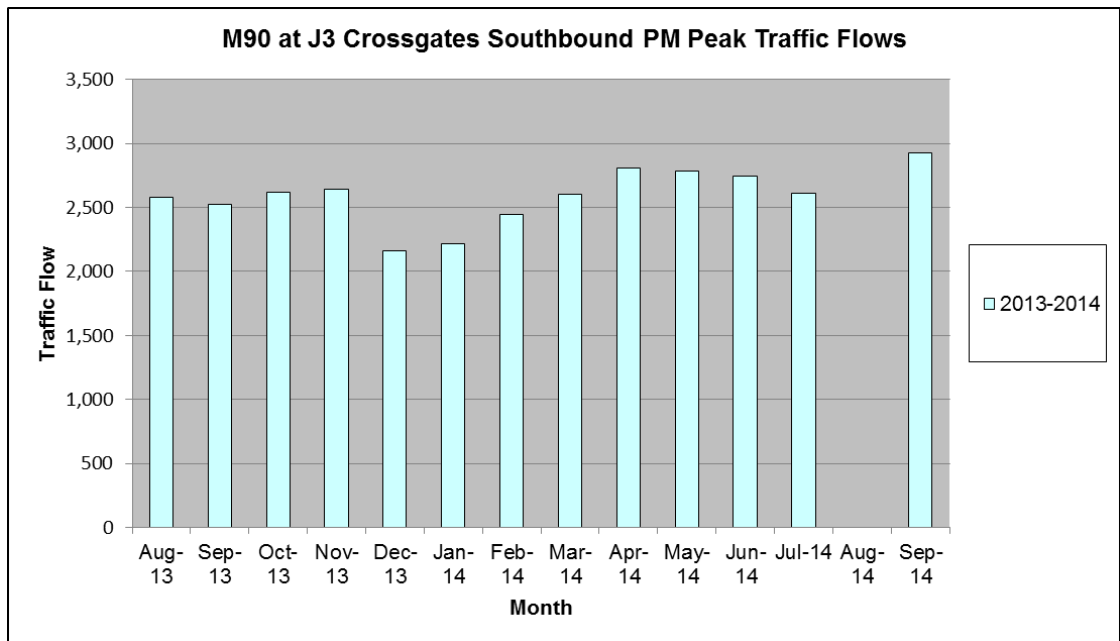
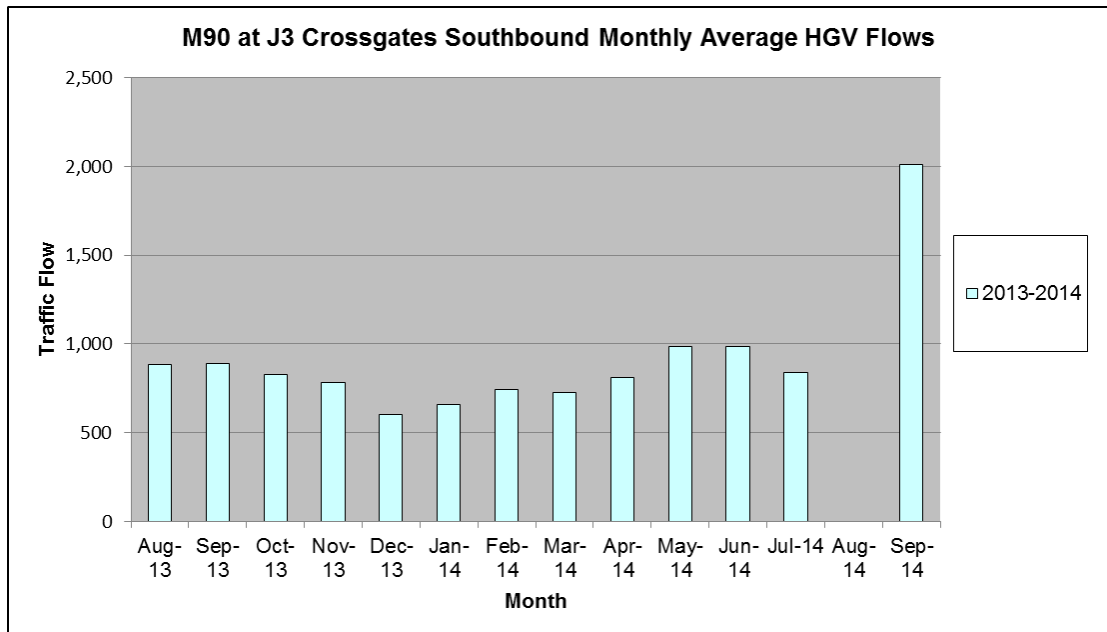


Figure 3-137 Monthly PM Peak Flows on the M90 at J3 Crossgates Southbound

### 3.27.3 Monthly Average HGV Flows

**Table 3-107 Site: NTC01191 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01191	M90 at J3 Crossgates Southbound	Aug-11	No Data
		Aug-13	883
		Sep-13	890
		Oct-13	830
		Nov-13	781
		Dec-13	605
		Jan-14	658
		Feb-14	741
		Mar-14	726
		Apr-14	808
		May-14	985
		Jun-14	988
		Jul-14	841
		Aug-14	No Data
		Sep-14	2,008
		<b>Annual Average</b>	<b>811</b>

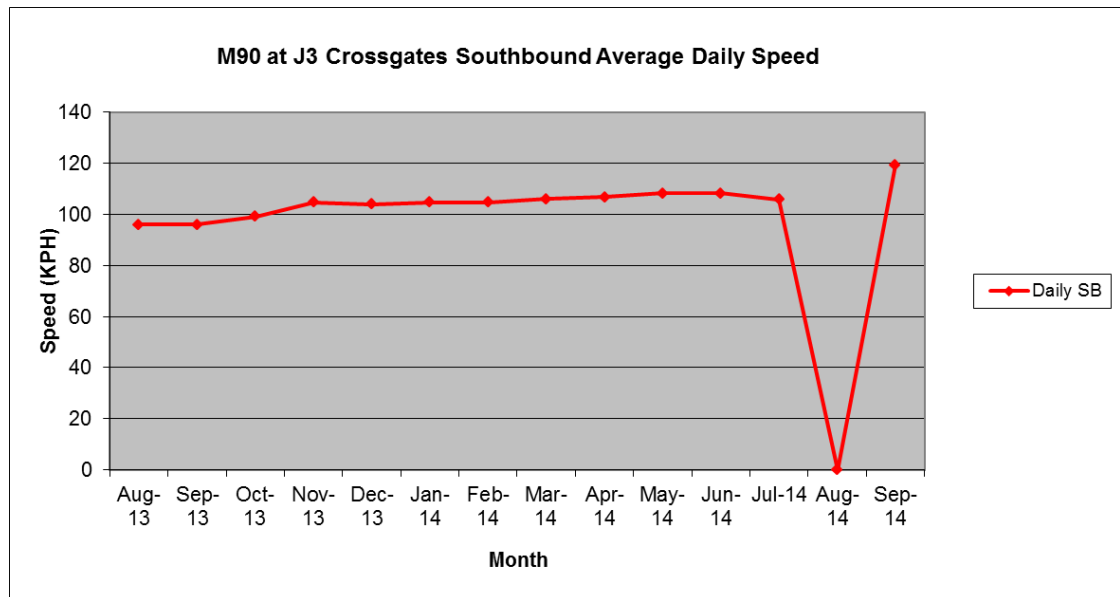


**Figure 3-138 Monthly HGV Traffic Flows on the M90 at J3 Crossgates Southbound**

### 3.27.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-108 Site: NTC01191 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01191	M90 at J3 Crossgates Southbound	Aug-13	96
		Sep-13	96
		Oct-13	99
		Nov-13	105
		Dec-13	104
		Jan-14	105
		Feb-14	105
		Mar-14	106
		Apr-14	107
		May-14	108
		Jun-14	108
		Jul-14	106
		Aug-14	No Data
		Sep-14	119



**Figure 3-139 Average Monthly Traffic Speeds (KPH) on the M90 at J3 Crossgates Southbound**

### 3.28 Traffic Counter NTC01192 – M90 at J3 Crossgates Southbound Off-Ramp to A92

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows peak in August 2013, reducing until November 2013, where they begin to resemble a typical seasonal flow pattern; with lower flows in December and January and higher flows in the summer months.
- Traffic flows are considerably lower in August and September 2014 compared to the same months in 2013.
- HGV flows peak in April 2014, and vary considerably throughout the year.

#### 3.28.1 Monthly Average Traffic Flows

**Table 3-109 Site: NTC01192 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01192	M90 at J3 Crossgates Southbound Off - Ramp to A92	Aug-11	No Data
		Aug-13	5,118
		Sep-13	4,751
		Oct-13	4,366
		Nov-13	3,894
		Dec-13	3,691
		Jan-14	3,553
		Feb-14	3,834
		Mar-14	3,925
		Apr-14	3,995
		May-14	4,077
		Jun-14	4,010
		Jul-14	4,060
		Aug-14	No Data
		Sep-14	4,125
		<b>Annual Average</b>	<b>4,106</b>

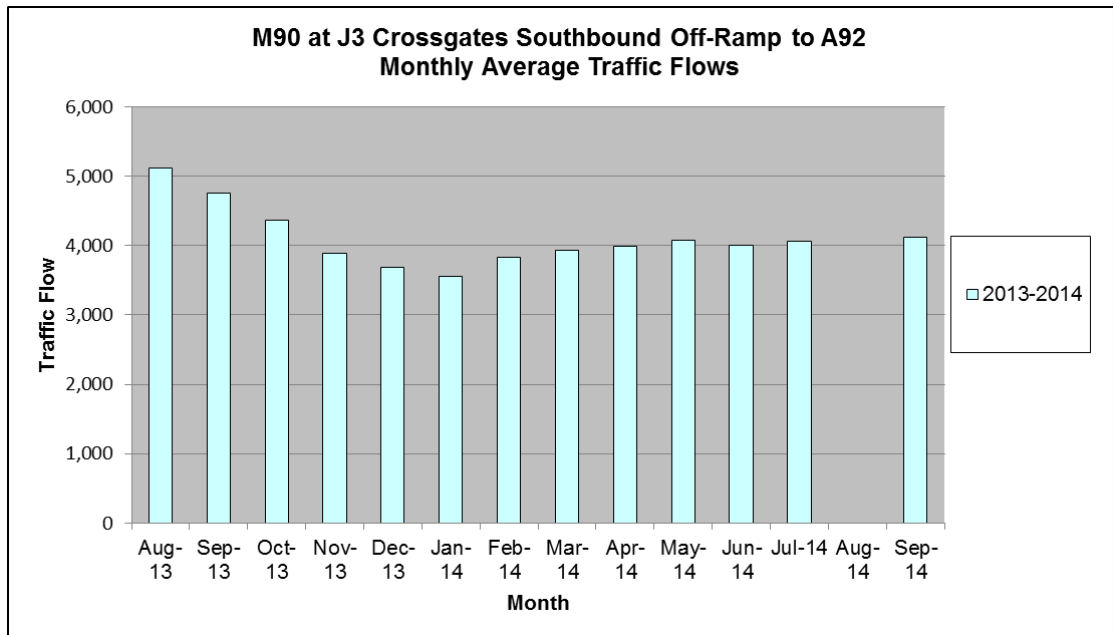


Figure 3-140 Monthly AADTs on the M90at J3 Crossgates Southbound Off-Ramp to A92

### 3.28.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-110 Site: NTC01192 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01192	M90 at J3 Crossgates Southbound Off-Ramp to A92	Aug-11	No Data	No Data
		Aug-13	893	1,384
		Sep-13	922	1,329
		Oct-13	789	1,175
		Nov-13	742	1,006
		Dec-13	619	869
		Jan-14	668	895
		Feb-14	729	966
		Mar-14	726	995
		Apr-14	702	1,033
		May-14	749	1,046
		Jun-14	716	1,033
		Jul-14	631	990
		Aug-14	No Data	No Data
		Sep-14	767	1,091
	<b>Annual Average</b>	<b>741</b>	<b>1,060</b>	

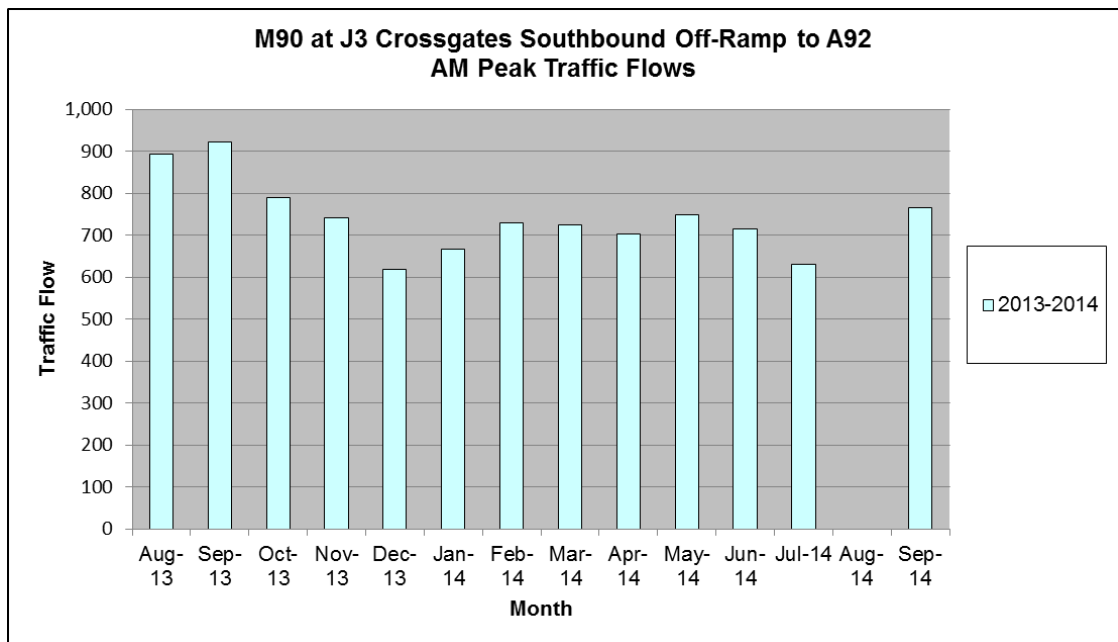


Figure 3-141 Monthly AM Peak Flows on the M90 J3 at Crossgates Southbound Off-Ramp to A92

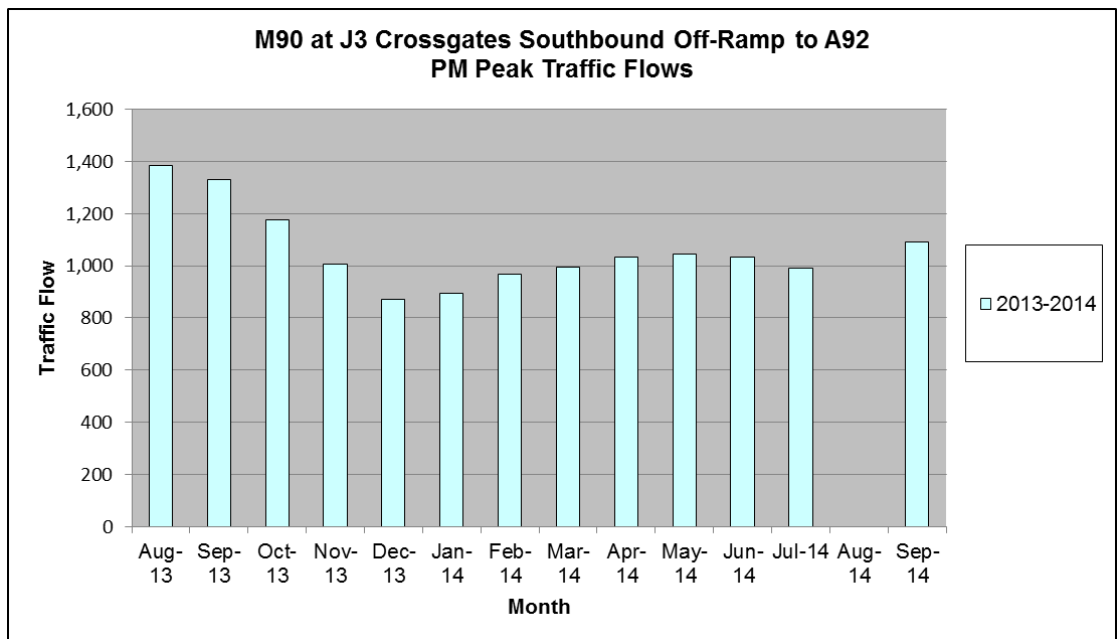


Figure 3-142 Monthly PM Peak Flows on the M90 at J3 Crossgates Southbound Off -Ramp to A92



### 3.28.3 Monthly Average HGV Flows

Table 3-111 Site: NTC01192 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
NTC01192	M90 at J3 Crossgates Southbound Off-Ramp to A92	Aug-11	No Data
		Aug-13	47
		Sep-13	46
		Oct-13	No Data
		Nov-13	No Data
		Dec-13	108
		Jan-14	116
		Feb-14	139
		Mar-14	219
		Apr-14	263
		May-14	163
		Jun-14	162
		Jul-14	156
		Aug-14	No Data
		Sep-14	133
		<b>Annual Average</b>	<b>195</b>

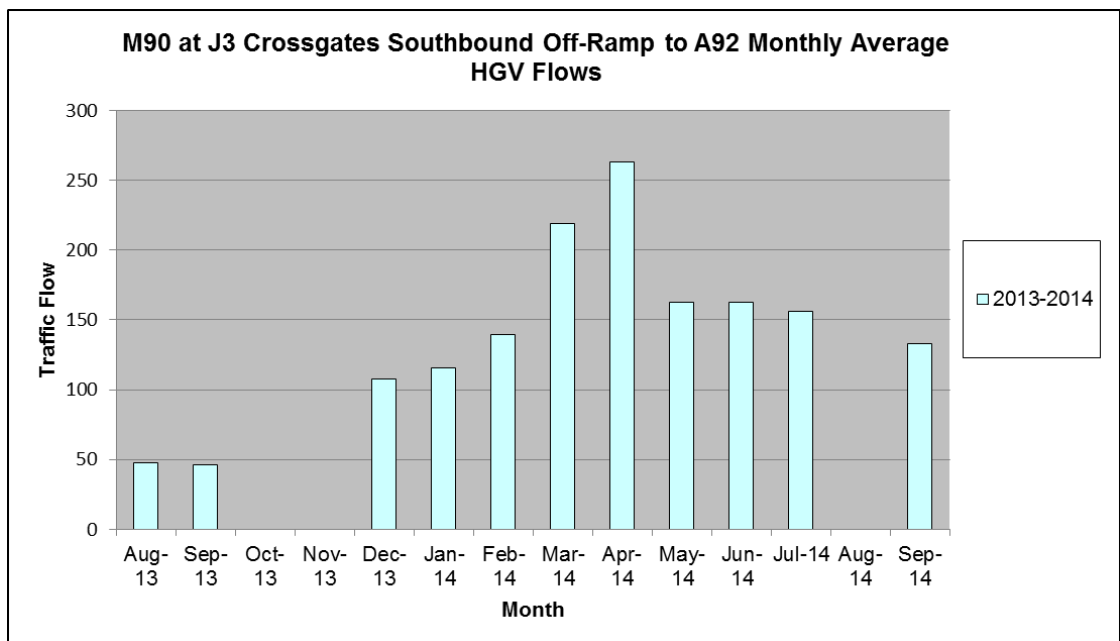
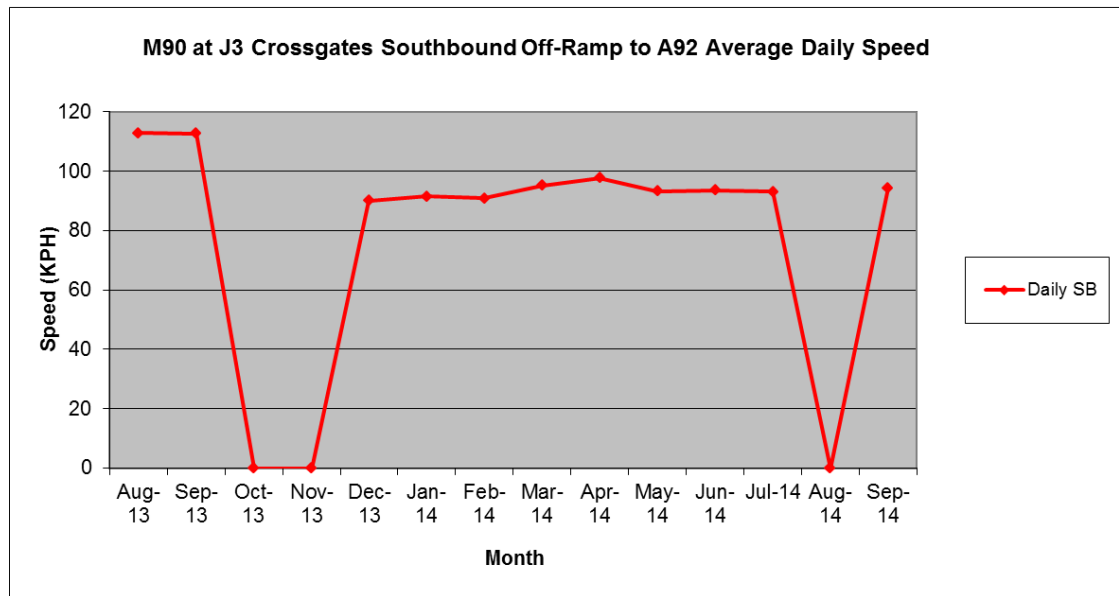


Figure 3-143 Monthly HGV Traffic Flows on the M90 at J3 Crossgates Southbound Off-Ramp to A92

### 3.28.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-112 Site: NTC01192 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01192	M90 at J3 Crossgates Southbound Off-Ramp to A92	Aug-13	113
		Sep-13	113
		Oct-13	No Data
		Nov-13	No Data
		Dec-13	90
		Jan-14	92
		Feb-14	91
		Mar-14	95
		Apr-14	98
		May-14	93
		Jun-14	94
		Jul-14	93
		Aug-14	No Data
		Sep-14	94



**Figure 3-144 Average Monthly Traffic Speeds (KPH) on the M90 at J3 Crossgates Southbound Off-Ramp to A92**

### 3.29 Traffic Counter NTC01193 – M90 North of J3 Crossgates Northbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.29.1 Monthly Average Traffic Flows

**Table 3-113 Site: NTC01193 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01193	M90 North of J3 Crossgates Northbound	Aug-11	No Data
		Aug-13	17,755
		Sep-13	15,615
		Oct-13	16,339
		Nov-13	15,603
		Dec-13	14,045
		Jan-14	13,597
		Feb-14	14,720
		Mar-14	15,595
		Apr-14	15,800
		May-14	16,782
		Jun-14	16,741
		Jul-14	17,472
		Aug-14	No Data
		Sep-14	17,146
		<b>Annual Average</b>	<b>15,839</b>

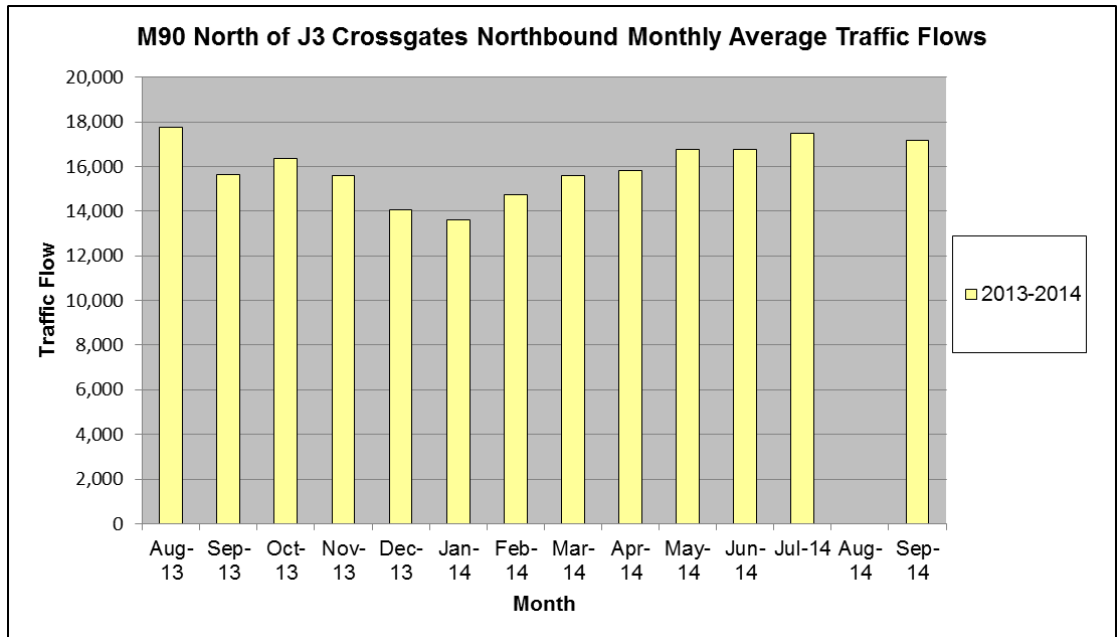


Figure 3-145 Monthly AADTs on the M90 North of J3 Crossgates Northbound

### 3.29.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-114 Site: NTC01193 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01193	M90 North of J3 Crossgates Northbound	Aug-11	No Data	No Data
		Aug-13	3,062	4,075
		Sep-13	2,766	3,696
		Oct-13	2,862	3,858
		Nov-13	2,820	3,725
		Dec-13	2,184	3,173
		Jan-14	2,425	3,328
		Feb-14	2,694	3,450
		Mar-14	2,784	3,711
		Apr-14	2,733	3,673
		May-14	2,911	3,927
		Jun-14	2,895	3,866
		Jul-14	3,093	3,790
		Aug-14	No Data	No Data
		Sep-14	3,098	3,884
	<b>Annual Average</b>	<b>2,769</b>	<b>3,689</b>	

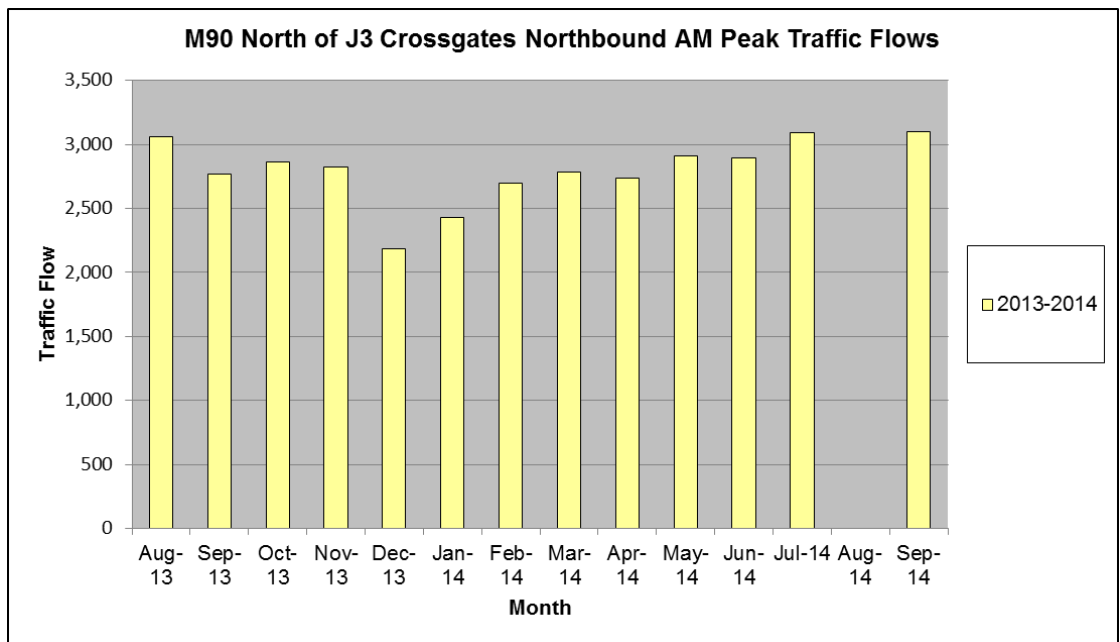


Figure 3-146 Monthly AM Peak Flows on the M90 North of J3 Crossgates Northbound

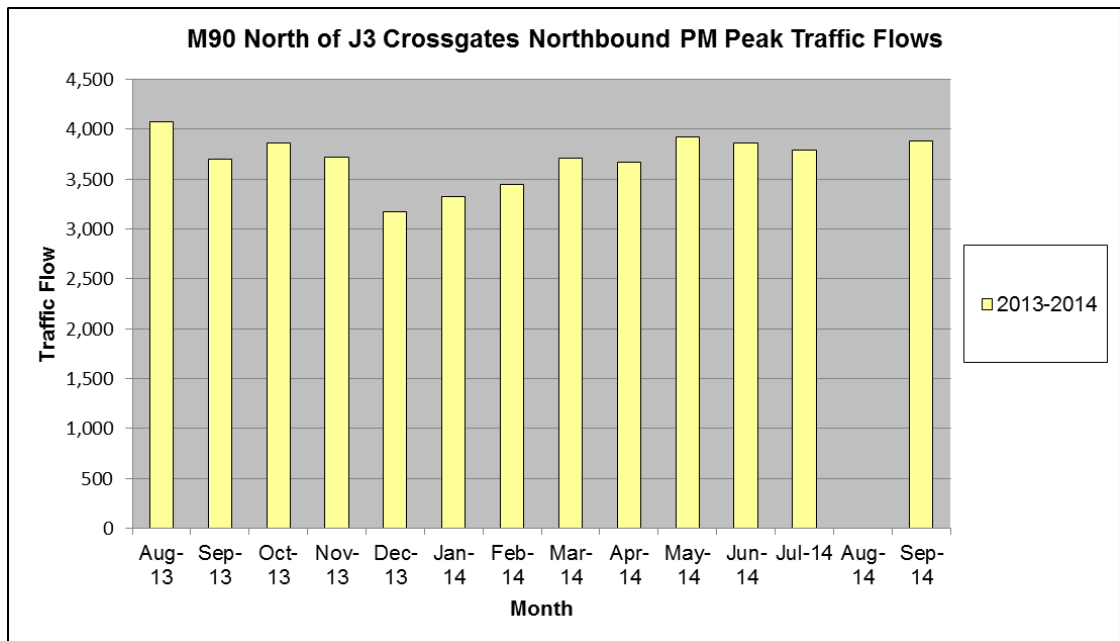


Figure 3-147 Monthly PM Peak Flows on the M90 North of J3 Crossgates Northbound

### 3.29.3 Monthly Average HGV Flows

Table 3-115 Site: NTC01193 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
NTC01193	M90 North of J3 Crossgates Northbound	Aug-11	No Data
		Aug-13	911
		Sep-13	839
		Oct-13	955
		Nov-13	921
		Dec-13	745
		Jan-14	794
		Feb-14	868
		Mar-14	877
		Apr-14	911
		May-14	987
		Jun-14	1,044
		Jul-14	1,096
		Aug-14	No Data
		Sep-14	1,036
		<b>Annual Average</b>	<b>912</b>

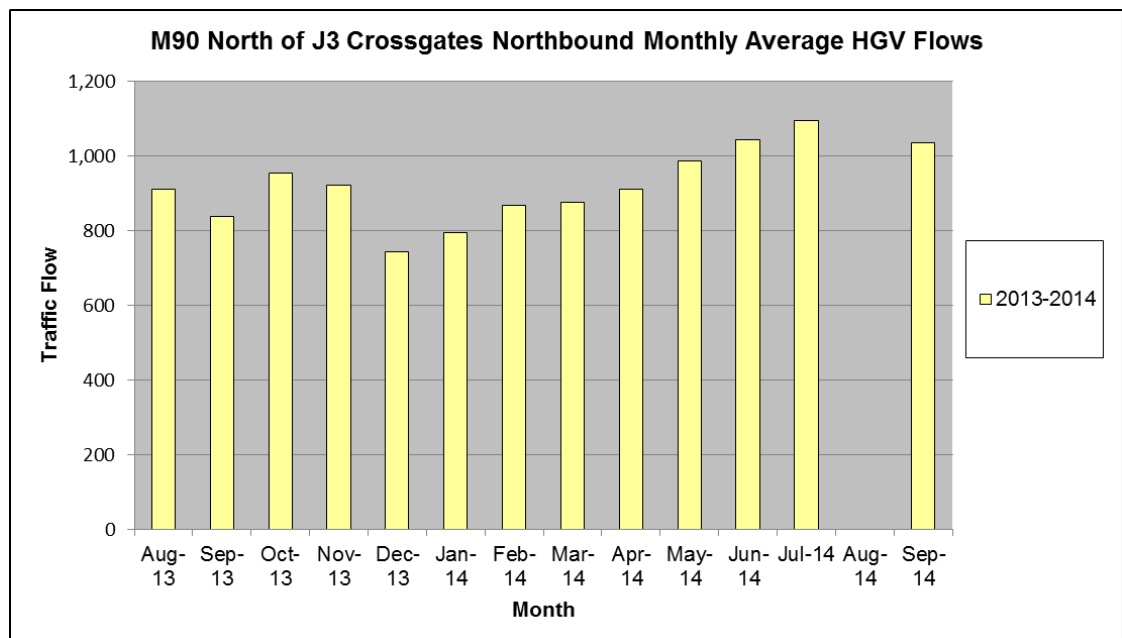
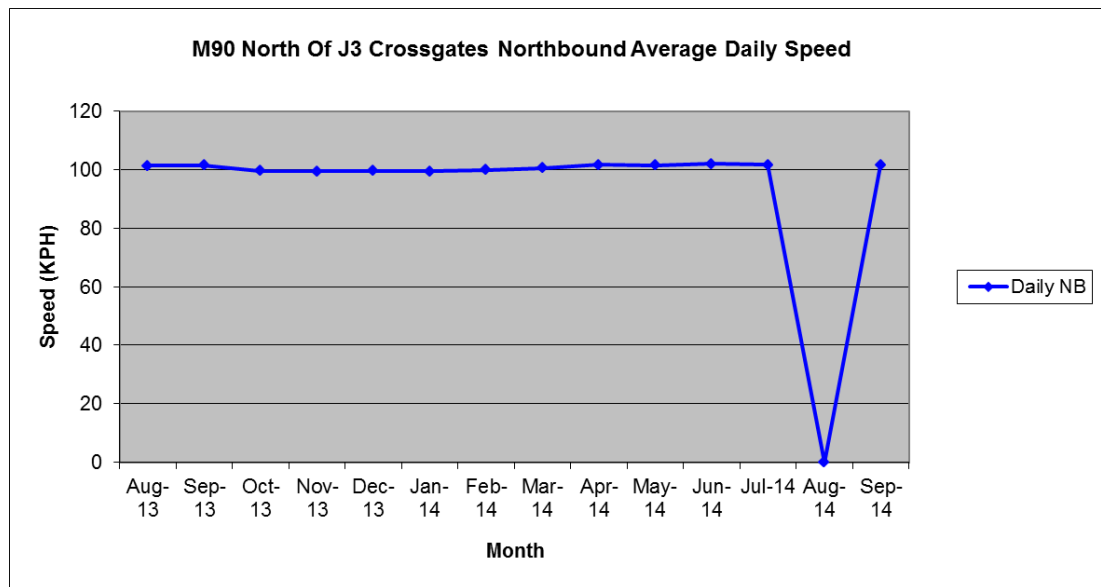


Figure 3-148 Monthly HGV Traffic Flows on the M90 North of J3 Crossgates Northbound

### 3.29.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-116 Site: NTC01193 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01193	M90 North of J3 Crossgates Northbound	Aug-13	101
		Sep-13	102
		Oct-13	100
		Nov-13	99
		Dec-13	100
		Jan-14	99
		Feb-14	100
		Mar-14	101
		Apr-14	102
		May-14	102
		Jun-14	102
		Jul-14	102
		Aug-14	No Data
		Sep-14	102



**Figure 3-149 Average Monthly Traffic Speeds (KPH) on the M90 North of J3 Crossgates Northbound**

### 3.30 Traffic Counter NTC01194 – M90 North of J3 Crossgates Southbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.30.1 Monthly Average Traffic Flows

**Table 3-117 Site: NTC01194 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01194	M90 North of J3 Crossgates Southbound	Aug-11	No Data
		Aug-13	17,248
		Sep-13	15,594
		Oct-13	15,671
		Nov-13	15,129
		Dec-13	13,733
		Jan-14	13,464
		Feb-14	14,693
		Mar-14	15,353
		Apr-14	15,801
		May-14	15,804
		Jun-14	16,671
		Jul-14	16,980
		Aug-14	No Data
Sep-14	15,720		
		<b>Annual Average</b>	<b>15,512</b>



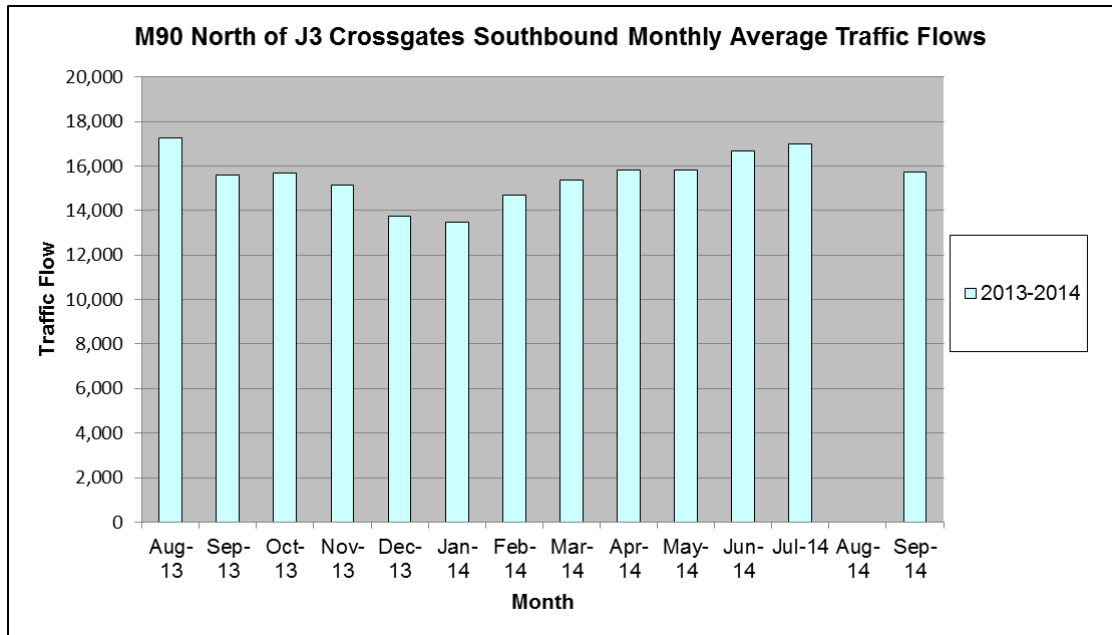


Figure 3-150 Monthly AADTs on the M90 North of J3 Crossgates Southbound

### 3.30.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-118 Site: NTC01194 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01194	M90 North of J3 Crossgates Southbound	Aug-11	No Data	No Data
		Aug-13	2,816	4,039
		Sep-13	2,752	3,704
		Oct-13	2,780	3,657
		Nov-13	2,817	3,571
		Dec-13	2,265	3,030
		Jan-14	2,547	3,096
		Feb-14	2,781	3,259
		Mar-14	2,811	3,611
		Apr-14	2,756	3,750
		May-14	2,743	3,670
		Jun-14	2,993	3,859
		Jul-14	2,740	3,749
		Aug-14	No Data	No Data
Sep-14	2,682	3,838		
	<b>Annual Average</b>	<b>2,733</b>	<b>3,583</b>	

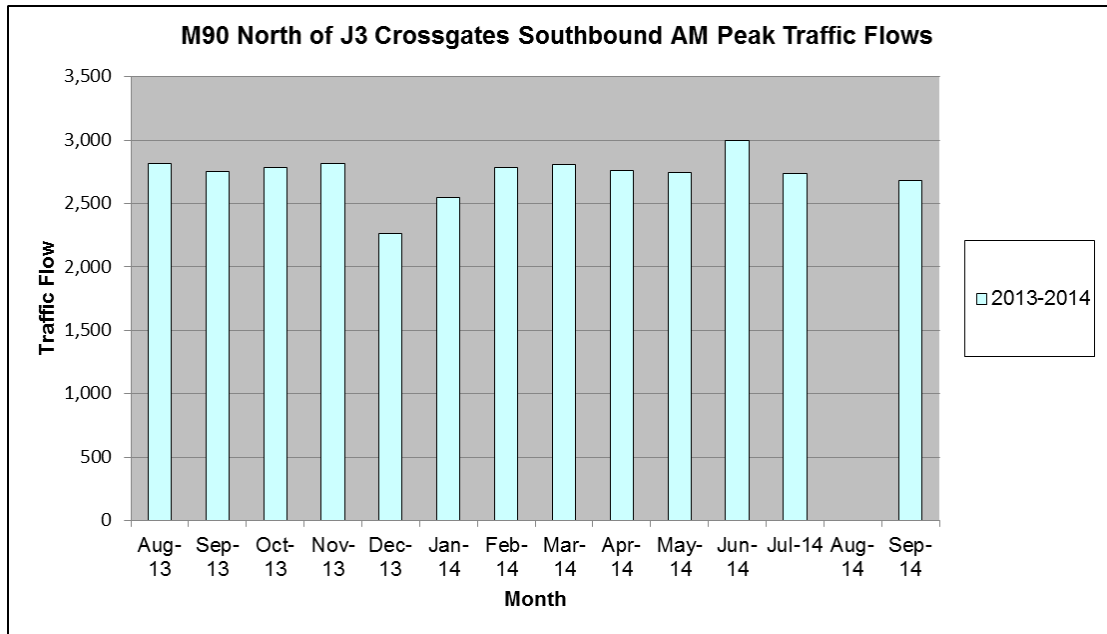


Figure 3-151 Monthly AM Peak Flows on the M90 North of J3 Crossgates Southbound

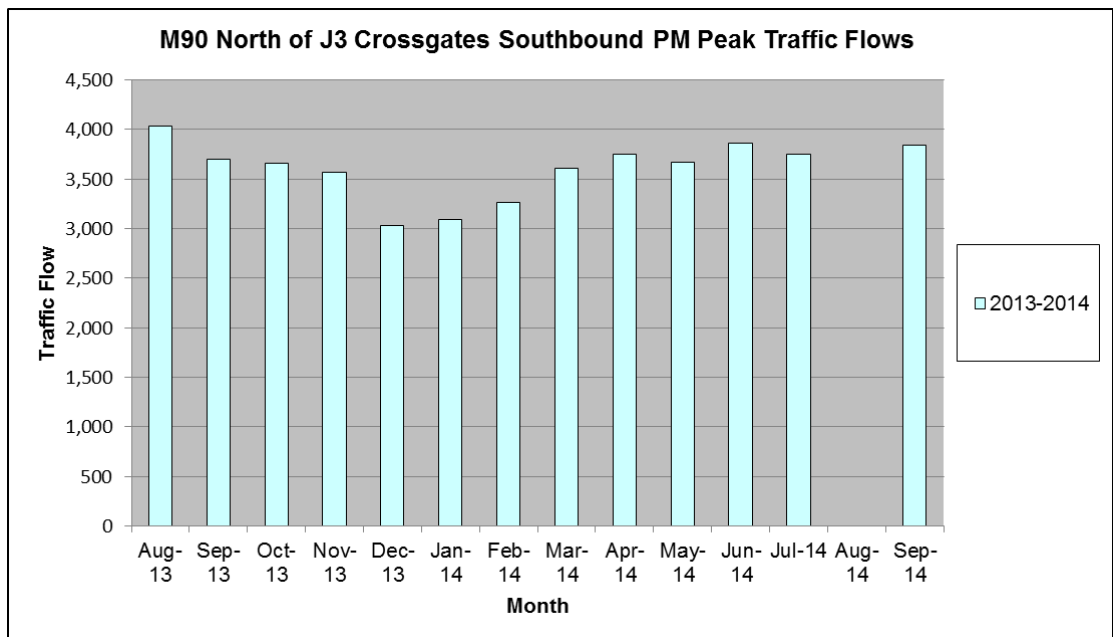
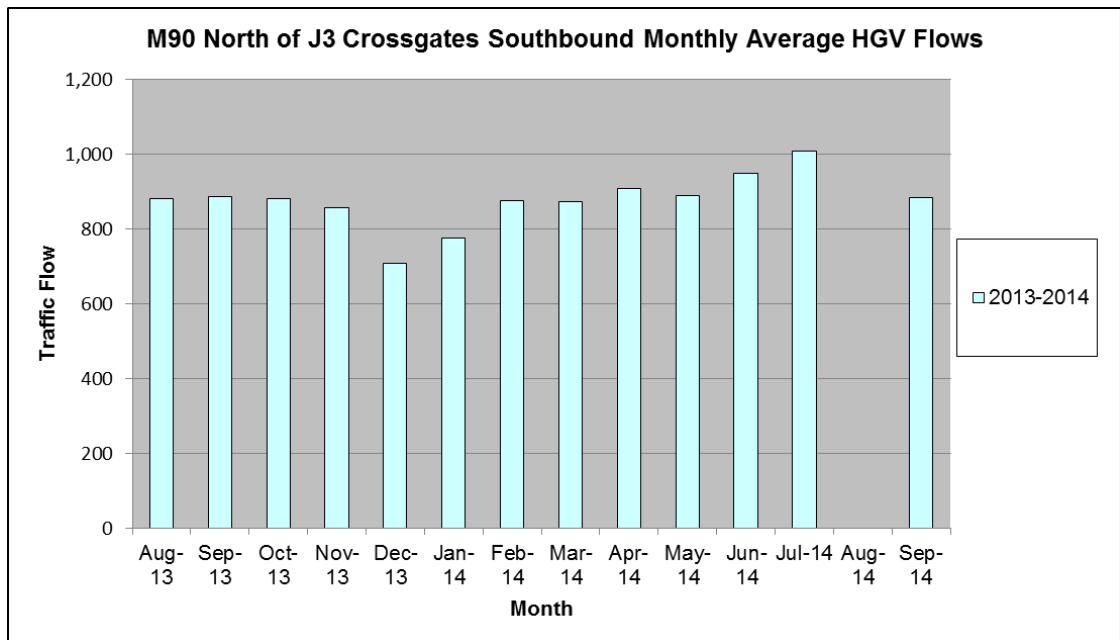


Figure 3-152 Monthly PM Peak Flows on the M90 North of J3 Crossgates Southbound

### 3.30.3 Monthly Average HGV Flows

**Table 3-119 Site: NTC01194 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01194	M90 North of J3 Crossgates Southbound	Aug-11	No Data
		Aug-13	883
		Sep-13	886
		Oct-13	883
		Nov-13	856
		Dec-13	709
		Jan-14	775
		Feb-14	876
		Mar-14	872
		Apr-14	909
		May-14	889
		Jun-14	948
		Jul-14	1,008
		Aug-14	No Data
		Sep-14	883
		<b>Annual Average</b>	<b>874</b>

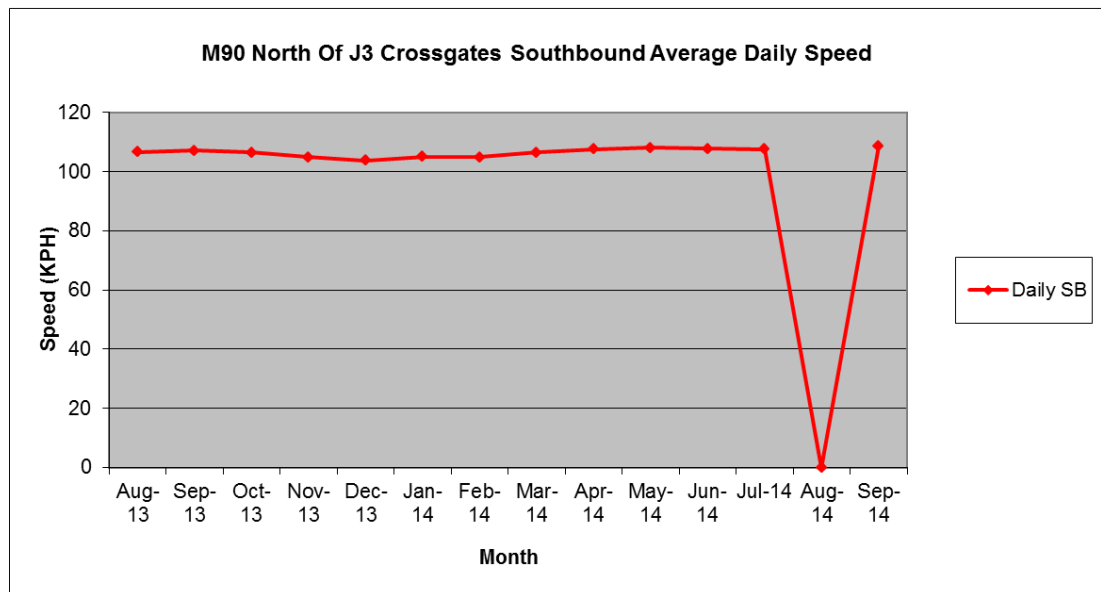


**Figure 3-153 Monthly HGV Traffic Flows on the M90 North of J3 Crossgates Southbound**

### 3.30.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-120 Site: NTC01194 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01194	M90 North of J3 Crossgates Southbound	Aug-13	107
		Sep-13	107
		Oct-13	107
		Nov-13	105
		Dec-13	104
		Jan-14	105
		Feb-14	105
		Mar-14	107
		Apr-14	108
		May-14	108
		Jun-14	108
		Jul-14	108
		Aug-14	No Data
		Sep-14	109



**Figure 3-154 Average Monthly Traffic Speeds (KPH) on the M90 North of J3 Crossgates Southbound**

### 3.31 Traffic Counter NTC01212 – A823M West of J2 Masterton Eastbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows remain relatively consistent throughout the year, with a slight reduction occurring in December and January.
- HGV flows are slightly more variable with peaks in June and July 2014.

#### 3.31.1 Monthly Average Traffic Flows

**Table 3-121 Site: NTC01212 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01212	A823M West of J2 Masterton Eastbound	Aug-11	No Data
		Aug-13	9,077
		Sep-13	8,853
		Oct-13	8,930
		Nov-13	9,007
		Dec-13	8,104
		Jan-14	8,412
		Feb-14	8,887
		Mar-14	8,896
		Apr-14	8,981
		May-14	9,206
		Jun-14	9,051
		Jul-14	8,912
		Aug-14	8,989
		Sep-14	9,196
	<b>Annual Average</b>	<b>8,860</b>	

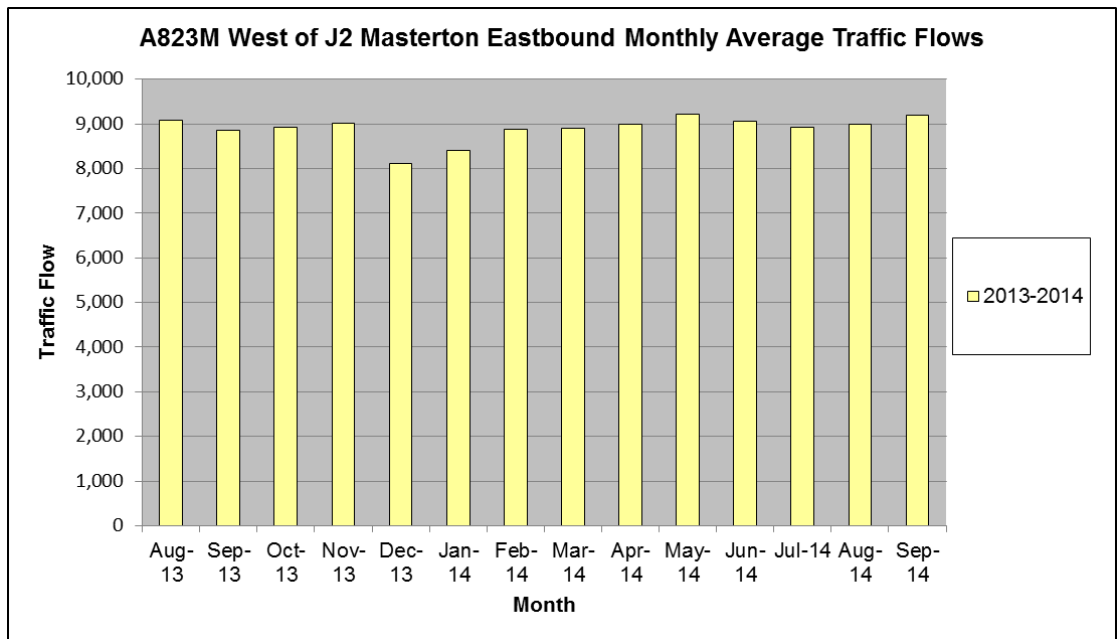


Figure 3-155 Monthly AADTs on the A823M West of J2 Masterton Eastbound

### 3.31.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-122 Site: NTC01212 Monthly Eastbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01212	A823M West of J2 Masterton Eastbound	Aug-11	No Data	No Data
		Aug-13	1,781	2,235
		Sep-13	1,761	2,175
		Oct-13	1,749	2,239
		Nov-13	1,818	2,219
		Dec-13	1,463	1,873
		Jan-14	1,654	2,137
		Feb-14	1,770	2,224
		Mar-14	1,750	2,198
		Apr-14	1,738	2,242
		May-14	1,768	2,264
		Jun-14	1,743	2,213
		Jul-14	1,709	2,152
		Aug-14	1,697	2,176
		Sep-14	1,835	2,291
	<b>Annual Average</b>	<b>1,725</b>	<b>2,181</b>	

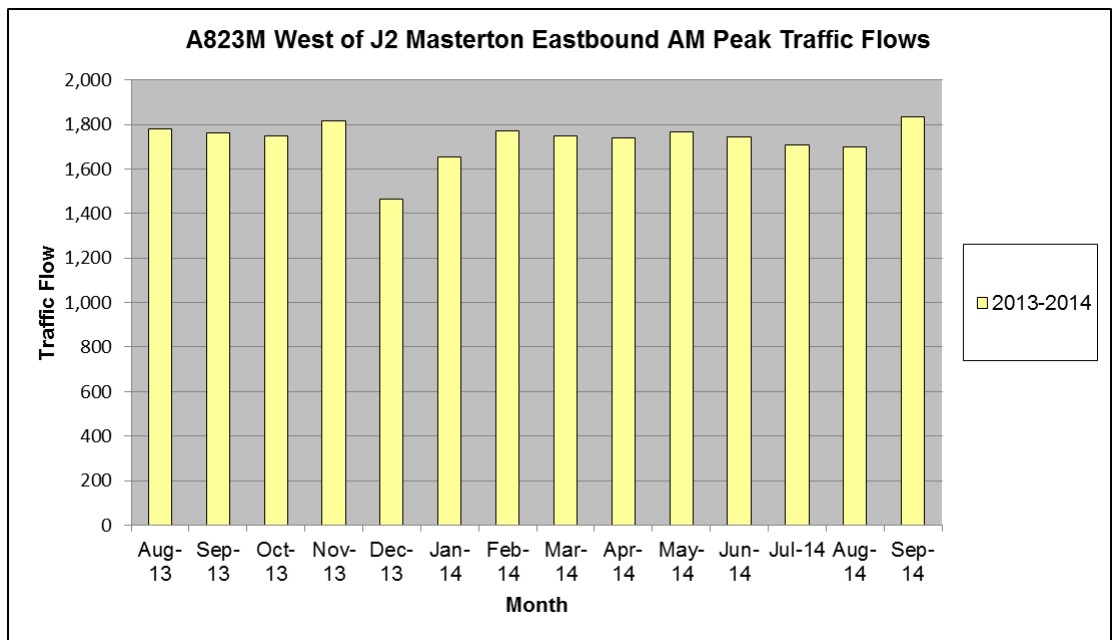


Figure 3-156 Monthly AM Peak Flows on the A823M West of J2 Masterton Eastbound

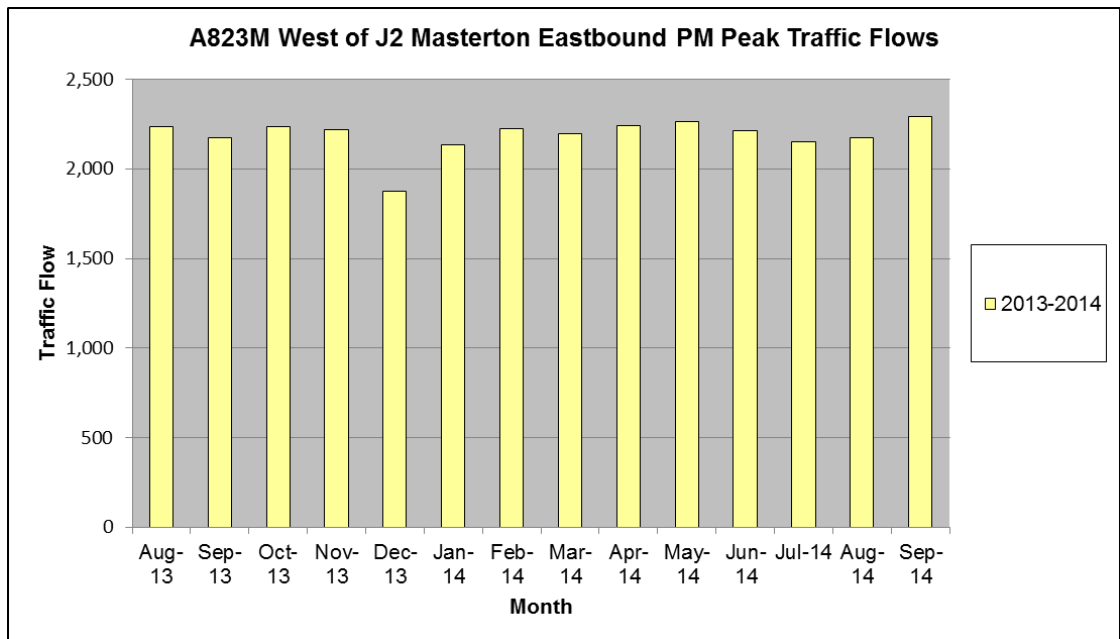


Figure 3-157 Monthly PM Peak Flows on the A823M West of J2 Masterton Eastbound

### 3.31.3 Monthly Average HGV Flows

Table 3-123 Site: NTC01212 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB
NTC01212	A823M West of J2 Masterton Eastbound	Aug-11	No Data
		Aug-13	157
		Sep-13	155
		Oct-13	151
		Nov-13	151
		Dec-13	131
		Jan-14	137
		Feb-14	150
		Mar-14	152
		Apr-14	156
		May-14	171
		Jun-14	182
		Jul-14	183
		Aug-14	169
		Sep-14	177
		<b>Annual Average</b>	<b>156</b>

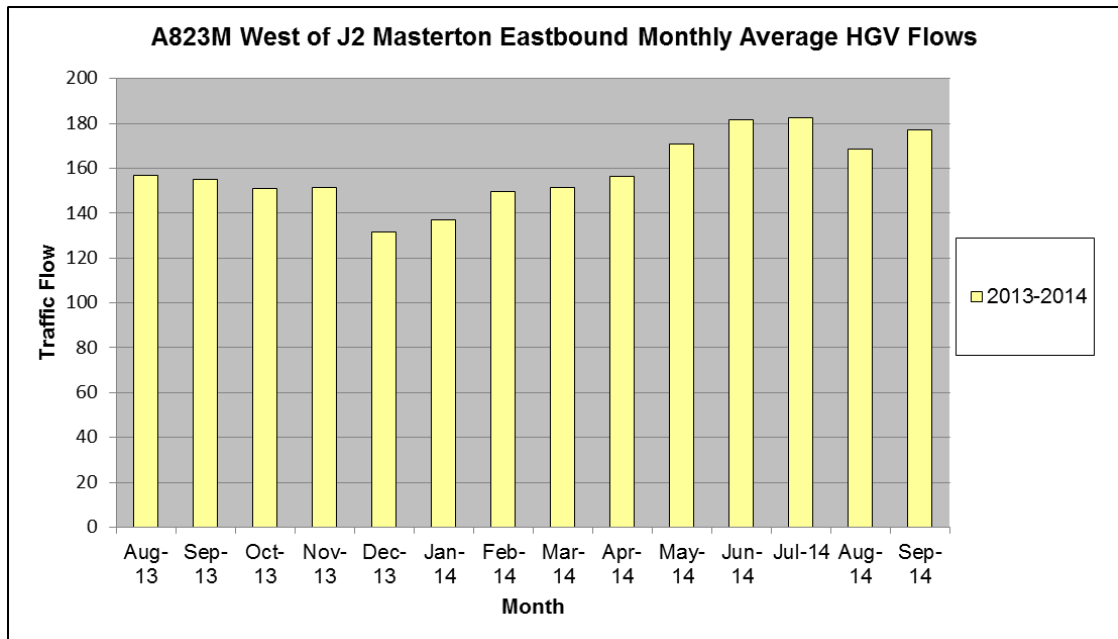


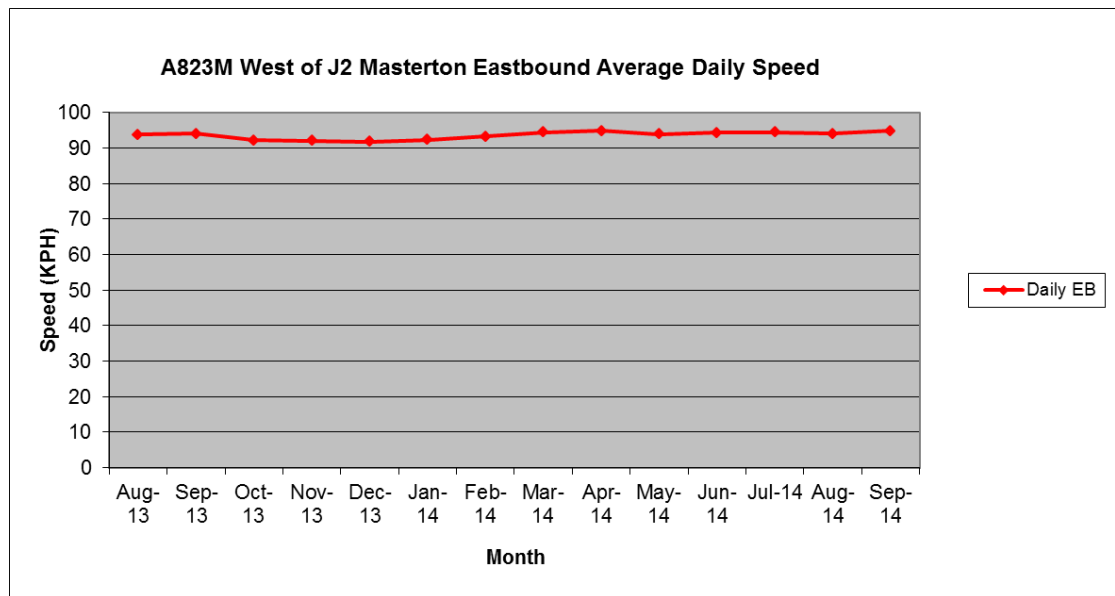
Figure 3-158 Monthly HGV Traffic Flows on the A823M West of J2 Masterton Eastbound



### 3.31.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-124 Site: NTC01212 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01212	A823M West of J2 Masterton Eastbound	Aug-13	94
		Sep-13	94
		Oct-13	92
		Nov-13	92
		Dec-13	92
		Jan-14	92
		Feb-14	93
		Mar-14	94
		Apr-14	95
		May-14	94
		Jun-14	94
		Jul-14	94
		Aug-14	94
		Sep-14	95



**Figure 3-159 Average Monthly Traffic Speeds (KPH) on the A823M West of J2 Masterton Eastbound**

### 3.32 Traffic Counter NTC01231 – M9 at J1 Newbridge Westbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows show a reduction between April and July 2014.
- HGV flows follow a similar pattern to all traffic.

#### 3.32.1 Monthly Average Traffic Flows

*Table 3-125 Site: NTC01231 Annual Traffic Flows – August 2013 to September 2014*

Counter	Location	Date	WB
NTC01231	M9 at J1 Newbridge Westbound	Aug-11	No Data
		Aug-13	19,753
		Sep-13	19,117
		Oct-13	19,240
		Nov-13	18,607
		Dec-13	16,329
		Jan-14	16,609
		Feb-14	18,016
		Mar-14	18,225
		Apr-14	14,519
		May-14	8,738
		Jun-14	8,776
		Jul-14	14,098
		Aug-14	19,527
		Sep-14	19,503
		<b>Annual Average</b>	<b>16,002</b>

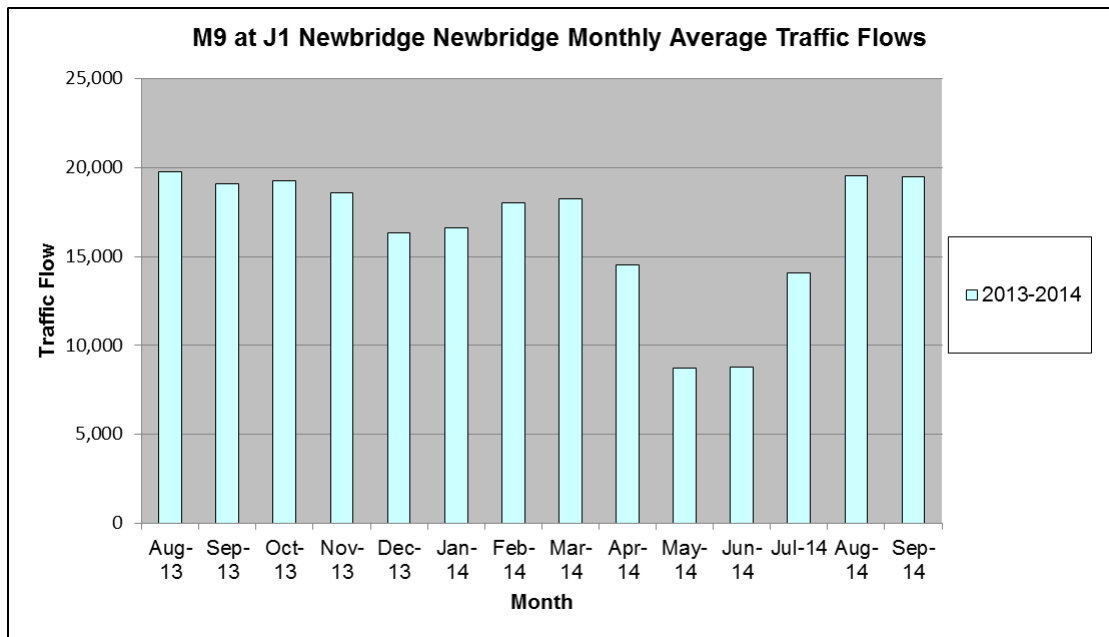


Figure 3-160 Monthly AADTs on the M9 at J1 Newbridge Westbound

### 3.32.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-126 Site: NTC01231 Monthly Westbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01231	M9 at J1 Newbridge Westbound	Aug-11	No Data	No Data
		Aug-13	3,378	4,830
		Sep-13	3,374	4,781
		Oct-13	3,375	4,907
		Nov-13	3,297	4,793
		Dec-13	2,476	4,004
		Jan-14	2,930	4,418
		Feb-14	3,249	4,685
		Mar-14	3,210	4,609
		Apr-14	2,543	3,415
		May-14	1,549	1,834
		Jun-14	1,566	1,844
		Jul-14	2,397	3,241
		Aug-14	3,285	4,650
Sep-14	3,555	4,724		
	<b>Annual Average</b>	<b>2,779</b>	<b>3,947</b>	

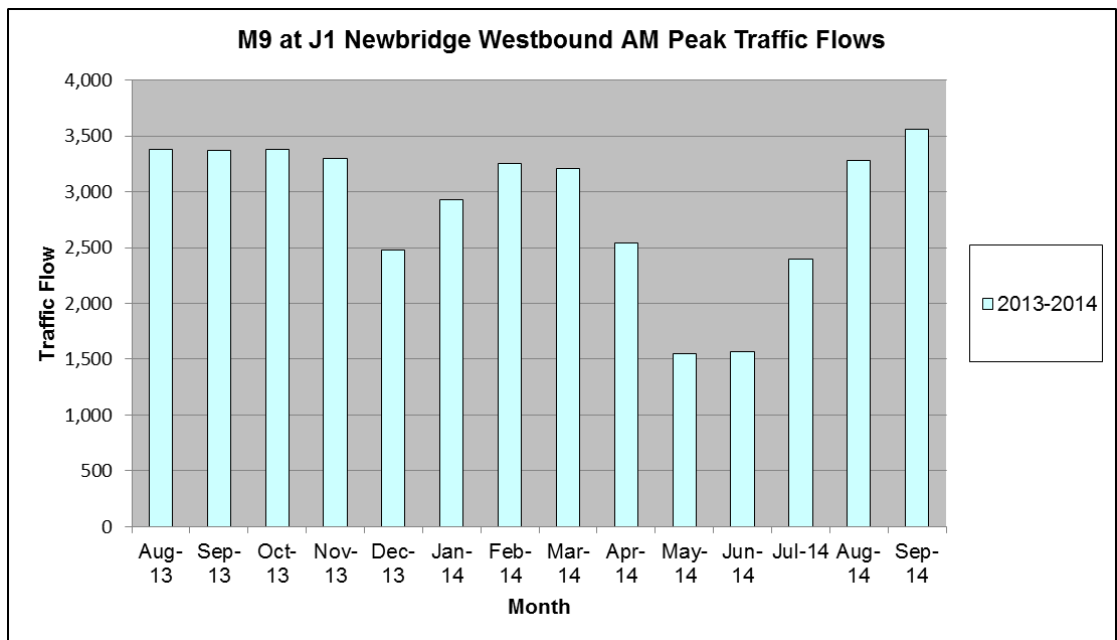


Figure 3-161 Monthly AM Peak Flows on the M9 at J1 Newbridge Westbound

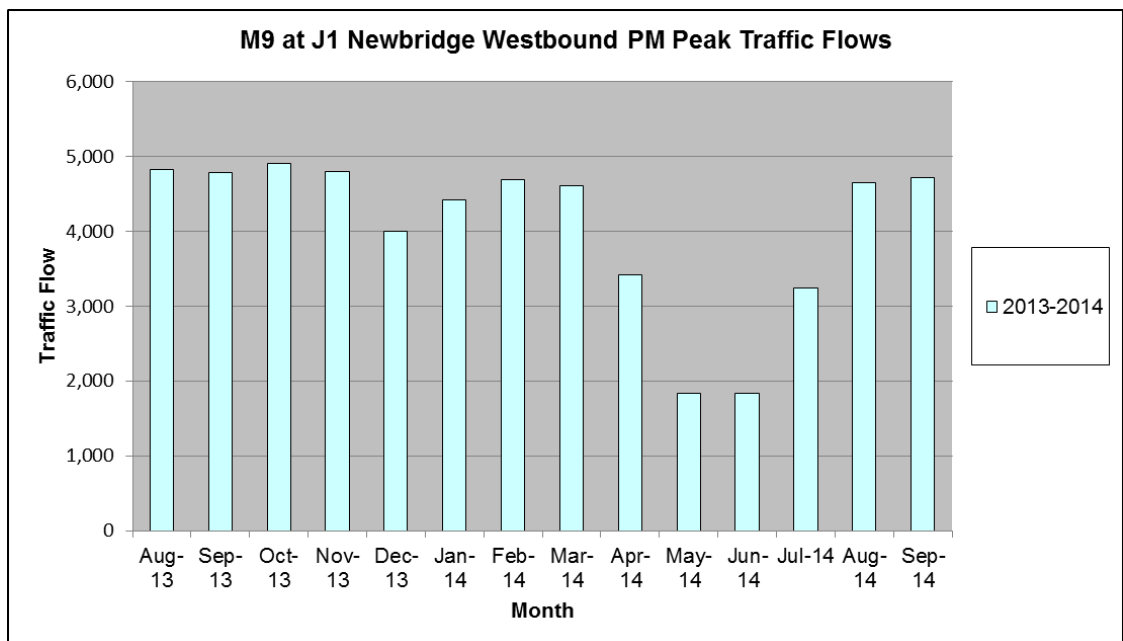
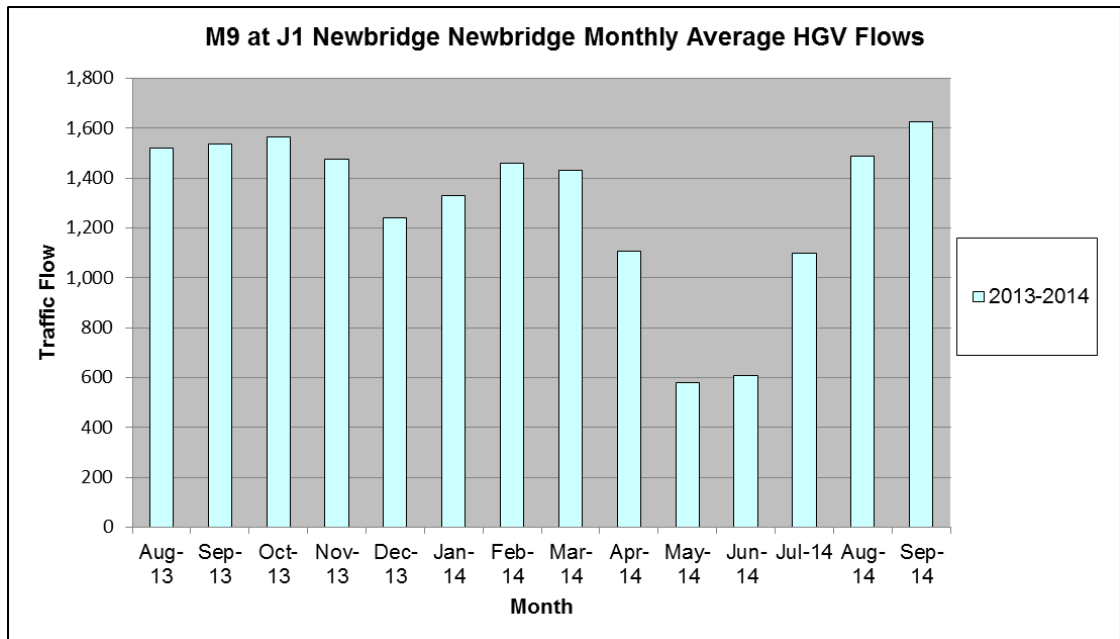


Figure 3-162 Monthly PM Peak Flows on the M9 at J1 Newbridge Westbound

### 3.32.3 Monthly Average HGV Flows

**Table 3-127 Site: NTC01231 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	WB
NTC01231	M9 at J1 Newbridge Westbound	Aug-11	No Data
		Aug-13	1,520
		Sep-13	1,536
		Oct-13	1,565
		Nov-13	1,476
		Dec-13	1,241
		Jan-14	1,329
		Feb-14	1,459
		Mar-14	1,429
		Apr-14	1,107
		May-14	580
		Jun-14	607
		Jul-14	1,100
		Aug-14	1,490
		Sep-14	1,628
		<b>Annual Average</b>	<b>1,246</b>

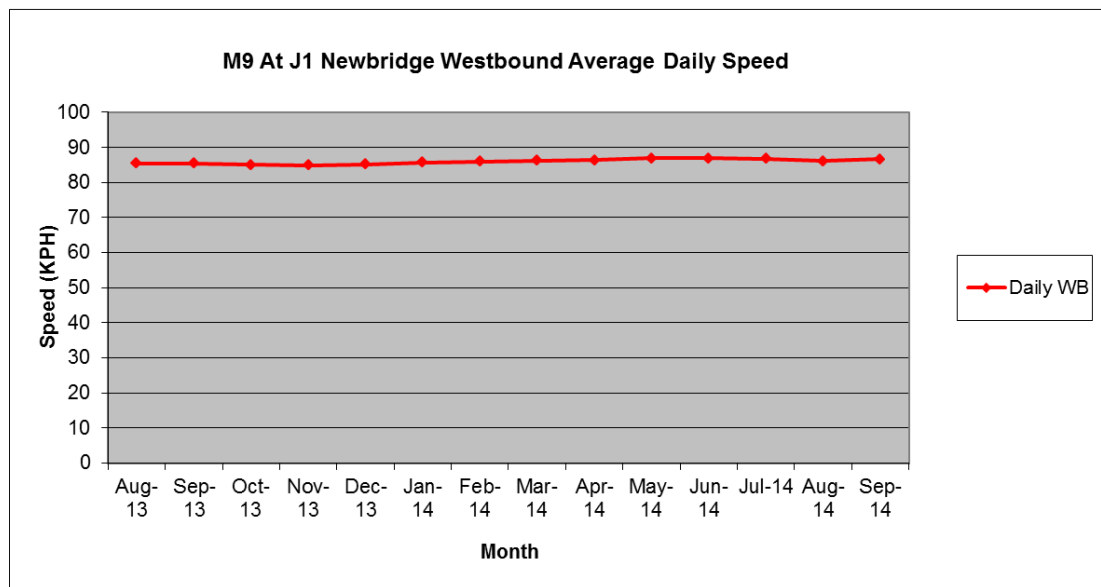


**Figure 3-163 Monthly HGV Traffic Flows on the M9 at J1 Newbridge Westbound**

### 3.32.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-128 Site: NTC01231 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	WB
NTC01231	M9 at J1 Newbridge Westbound	Aug-13	85
		Sep-13	85
		Oct-13	85
		Nov-13	85
		Dec-13	85
		Jan-14	86
		Feb-14	86
		Mar-14	86
		Apr-14	86
		May-14	87
		Jun-14	87
		Jul-14	87
		Aug-14	86
		Sep-14	87



**Figure 3-164 Average Monthly Traffic Speeds (KPH) on the M9 at J1 Newbridge Westbound**

### 3.33 Traffic Counter NTC01232 – M9 Newbridge Eastbound Off-Ramp

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic, with a peak in August 2014.

#### 3.33.1 Monthly Average Traffic Flows

**Table 3-129 Site: NTC01232 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01232	M9 Newbridge Eastbound Off-Ramp	Aug-11	No Data
		Aug-13	12,635
		Sep-13	12,439
		Oct-13	12,228
		Nov-13	11,936
		Dec-13	10,444
		Jan-14	10,554
		Feb-14	11,488
		Mar-14	11,670
		Apr-14	11,985
		May-14	12,561
		Jun-14	13,182
		Jul-14	13,004
		Aug-14	13,102
Sep-14	13,254		
	<b>Annual Average</b>	<b>12,010</b>	

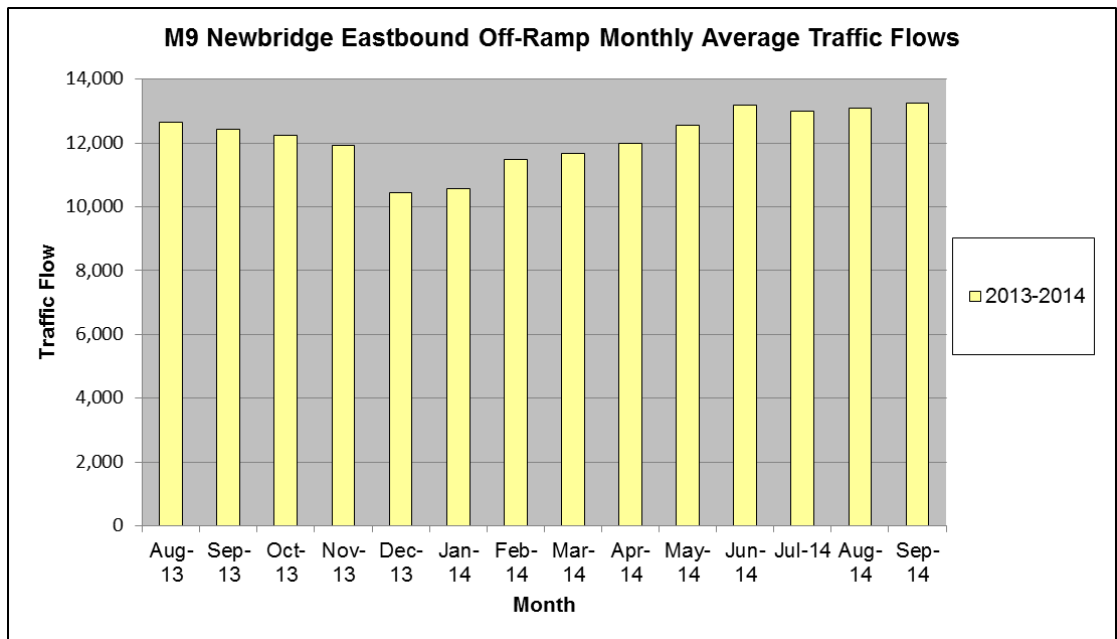


Figure 3-165 Monthly AADTs on the M9 Newbridge Eastbound Off-Ramp

### 3.33.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-130 Site: NTC01232 Monthly Eastbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01232	M9 Newbridge Eastbound Off-Ramp	Aug-11	No Data	No Data
		Aug-13	3,354	2,105
		Sep-13	3,364	2,122
		Oct-13	3,404	2,071
		Nov-13	3,482	2,036
		Dec-13	2,733	1,717
		Jan-14	3,075	1,778
		Feb-14	3,294	1,984
		Mar-14	3,271	1,996
		Apr-14	3,146	2,055
		May-14	3,333	2,161
		Jun-14	3,431	2,168
		Jul-14	3,366	2,205
		Aug-14	3,299	2,264
		Sep-14	3,528	2,292
	<b>Annual Average</b>	<b>3,271</b>	<b>2,033</b>	



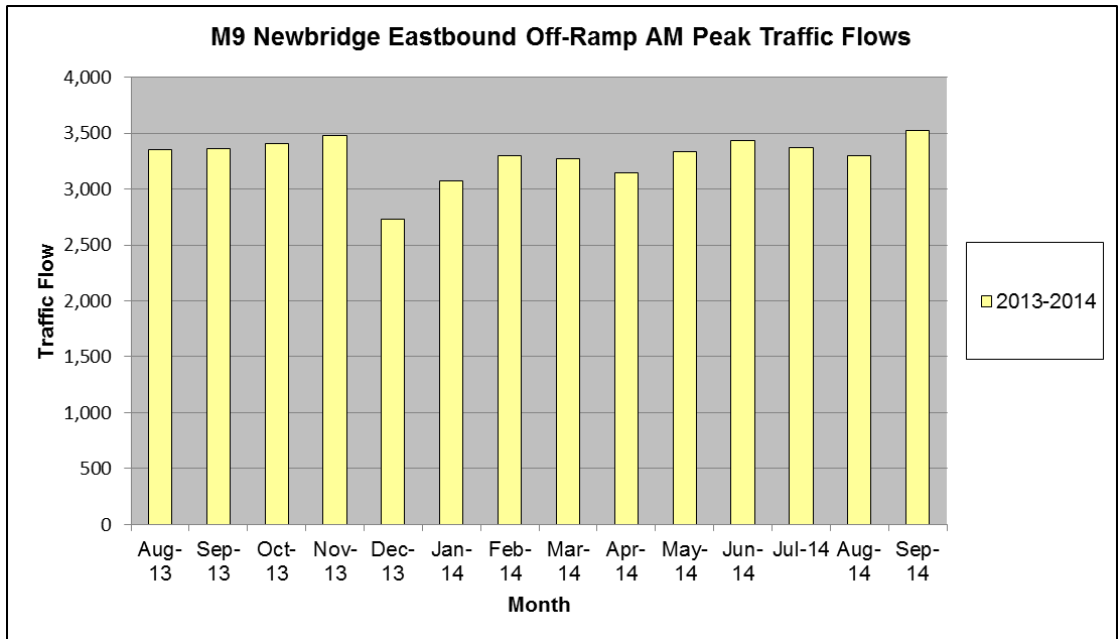


Figure 3-166 Monthly AM Peak Flows on the M9 Newbridge Eastbound Off-Ramp

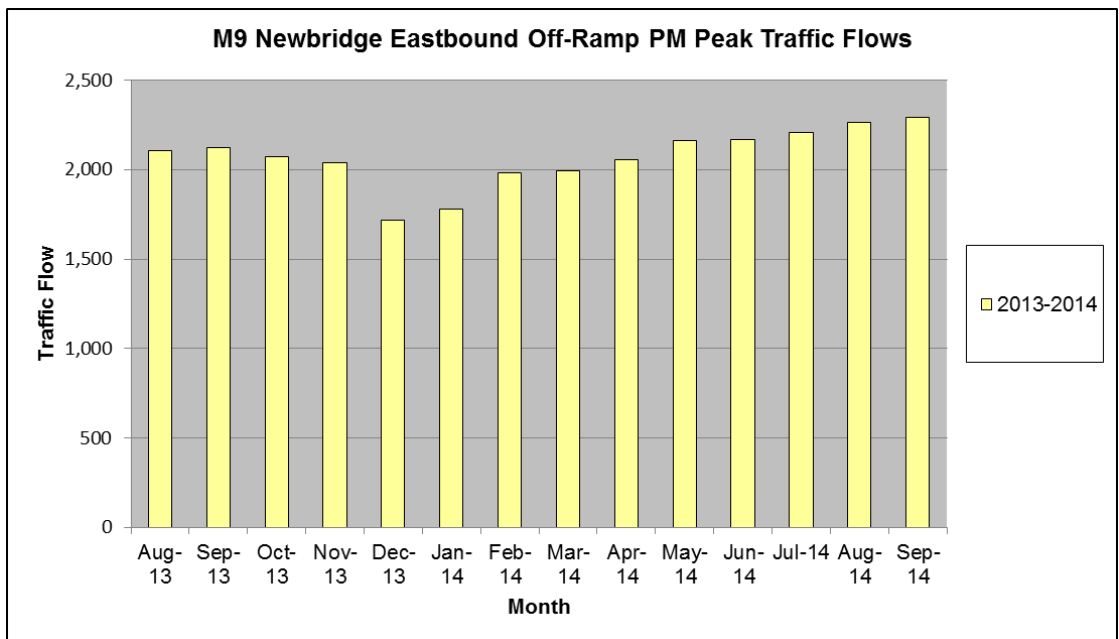


Figure 3-167 Monthly PM Peak Flows on the M9 Newbridge Eastbound Off-Ramp

### 3.33.3 Monthly Average HGV Flows

Table 3-131 Site: NTC01232 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB
NTC01232	M9 Newbridge Eastbound Off-Ramp	Aug-11	No Data
		Aug-13	455
		Sep-13	456
		Oct-13	434
		Nov-13	445
		Dec-13	360
		Jan-14	366
		Feb-14	405
		Mar-14	402
		Apr-14	442
		May-14	441
		Jun-14	541
		Jul-14	475
		Aug-14	457
		Sep-14	482
		<b>Annual Average</b>	<b>435</b>

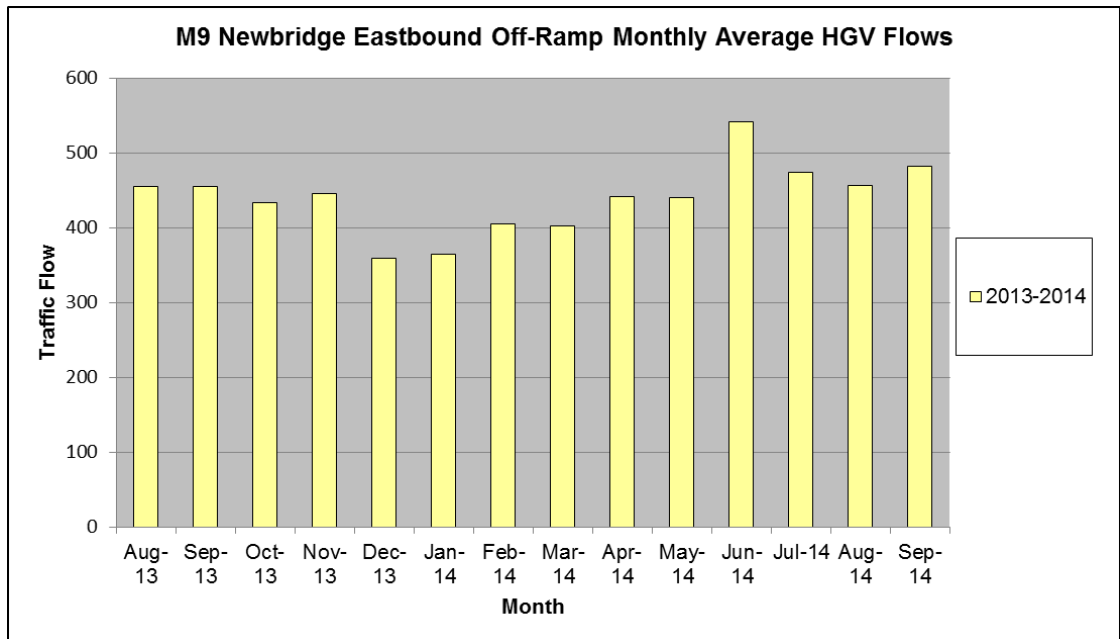
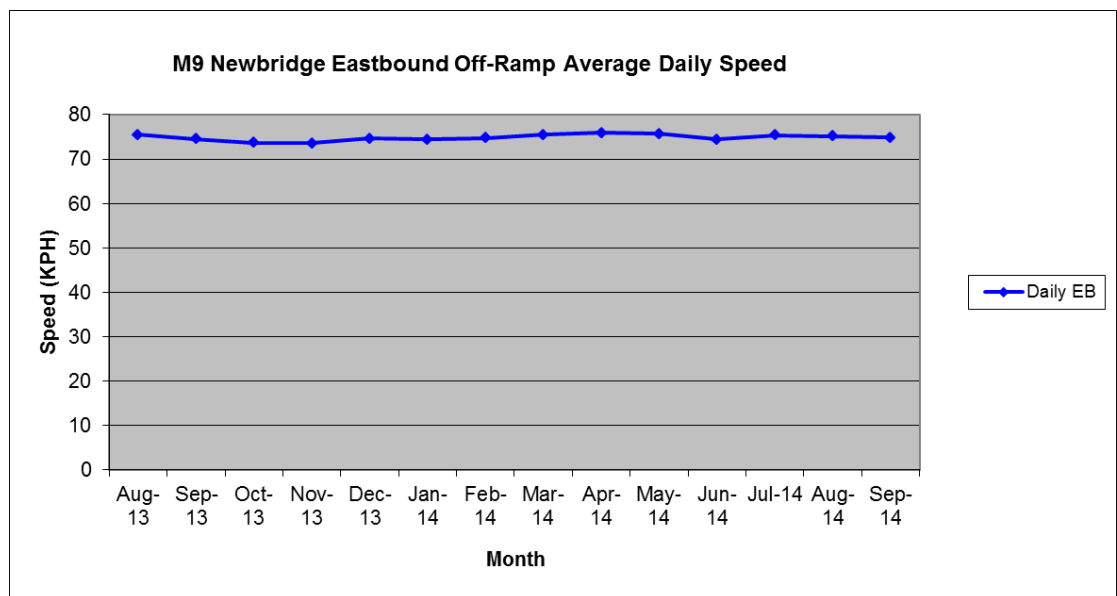


Figure 3-168 Monthly HGV Traffic Flows on the M9 Newbridge Eastbound Off-Ramp

### 3.33.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-132 Site: NTC01232 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01232	M9 Newbridge Eastbound Off-Ramp	Aug-13	75
		Sep-13	74
		Oct-13	74
		Nov-13	74
		Dec-13	75
		Jan-14	74
		Feb-14	75
		Mar-14	75
		Apr-14	76
		May-14	76
		Jun-14	74
		Jul-14	75
		Aug-14	75
Sep-14	75		



**Figure 3-169 Average Monthly Traffic Speeds (KPH) on the M9 Newbridge Eastbound Off-Ramp**

### 3.34 Traffic Counter NTC01261 – M9 West of J1a Eastbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.34.1 Monthly Average Traffic Flows

**Table 3-133 Site: NTC01261 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01261	M9 West of J1a Eastbound	Aug-11	No Data
		Aug-13	15,277
		Sep-13	14,919
		Oct-13	14,748
		Nov-13	14,397
		Dec-13	12,397
		Jan-14	12,910
		Feb-14	14,003
		Mar-14	14,141
		Apr-14	14,172
		May-14	14,639
		Jun-14	14,849
		Jul-14	14,556
		Aug-14	15,124
		Sep-14	15,179
		<b>Annual Average</b>	<b>14,251</b>

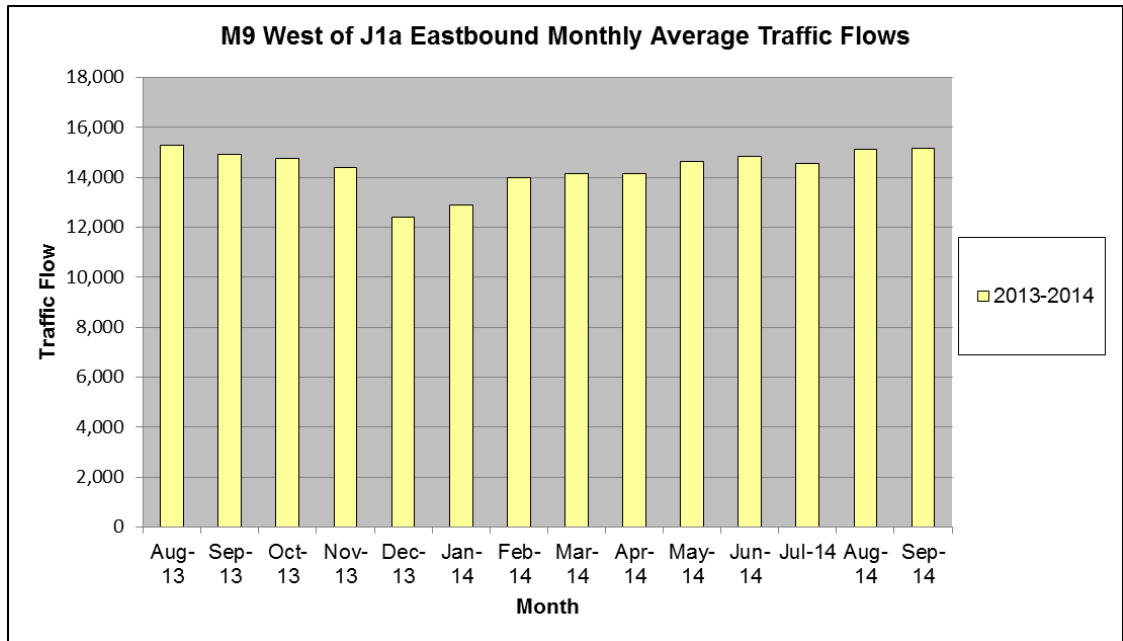


Figure 3-170 Monthly AADTs on the M9 West of J1a Eastbound

### 3.34.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-134 Site: NTC01261 Monthly Eastbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01261	M9 West of J1a Eastbound	Aug-11	No Data	No Data
		Aug-13	4,206	2,723
		Sep-13	4,318	2,630
		Oct-13	4,449	2,518
		Nov-13	4,414	2,397
		Dec-13	3,403	1,975
		Jan-14	4,032	2,172
		Feb-14	4,346	2,332
		Mar-14	4,237	2,394
		Apr-14	3,973	2,471
		May-14	4,130	2,534
		Jun-14	4,167	2,514
		Jul-14	3,887	2,575
		Aug-14	3,954	2,675
		Sep-14	4,363	2,643
	<b>Annual Average</b>	<b>4,130</b>	<b>2,436</b>	

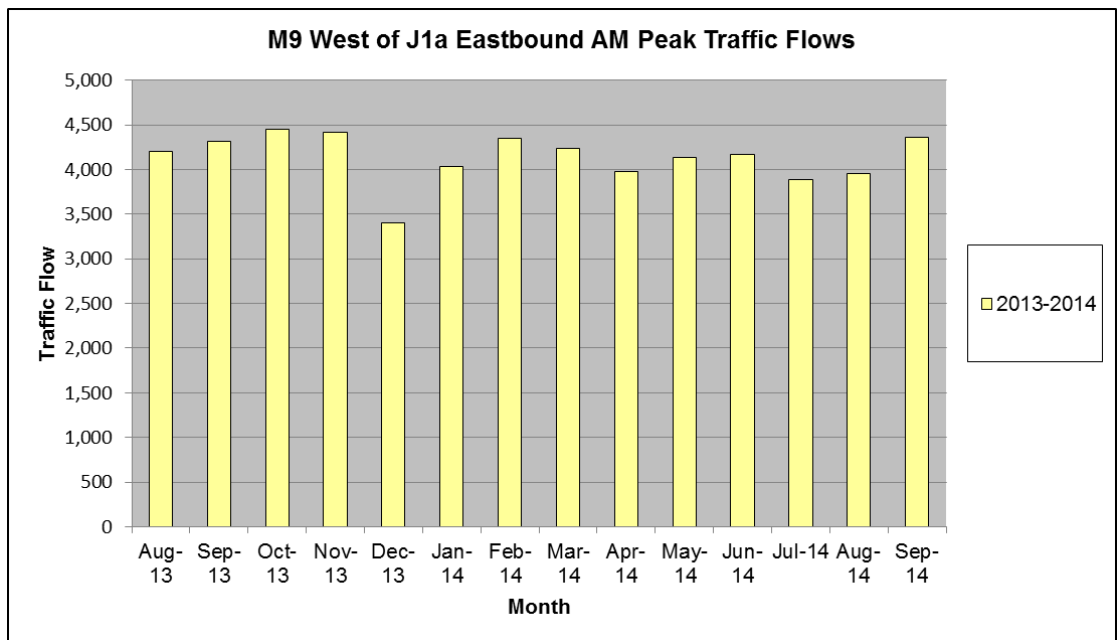


Figure 3-171 Monthly AM Peak Flows on the M9 West of J1a Eastbound

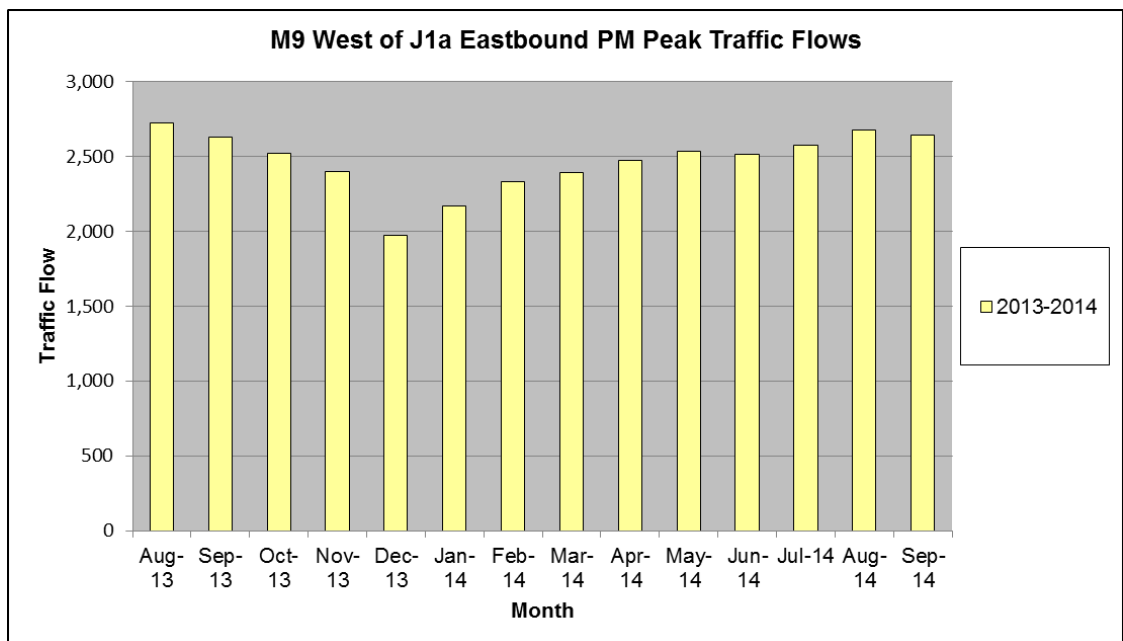


Figure 3-172 Monthly PM Peak Flows on the M9 West of J1a Eastbound

### 3.34.3 Monthly Average HGV Flows

Table 3-135 Site: NTC01261 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB
NTC01261	M9 West of J1a Eastbound	Aug-11	No Data
		Aug-13	821
		Sep-13	846
		Oct-13	833
		Nov-13	803
		Dec-13	697
		Jan-14	748
		Feb-14	798
		Mar-14	804
		Apr-14	805
		May-14	789
		Jun-14	809
		Jul-14	820
		Aug-14	800
		Sep-14	862
		<b>Annual Average</b>	<b>798</b>

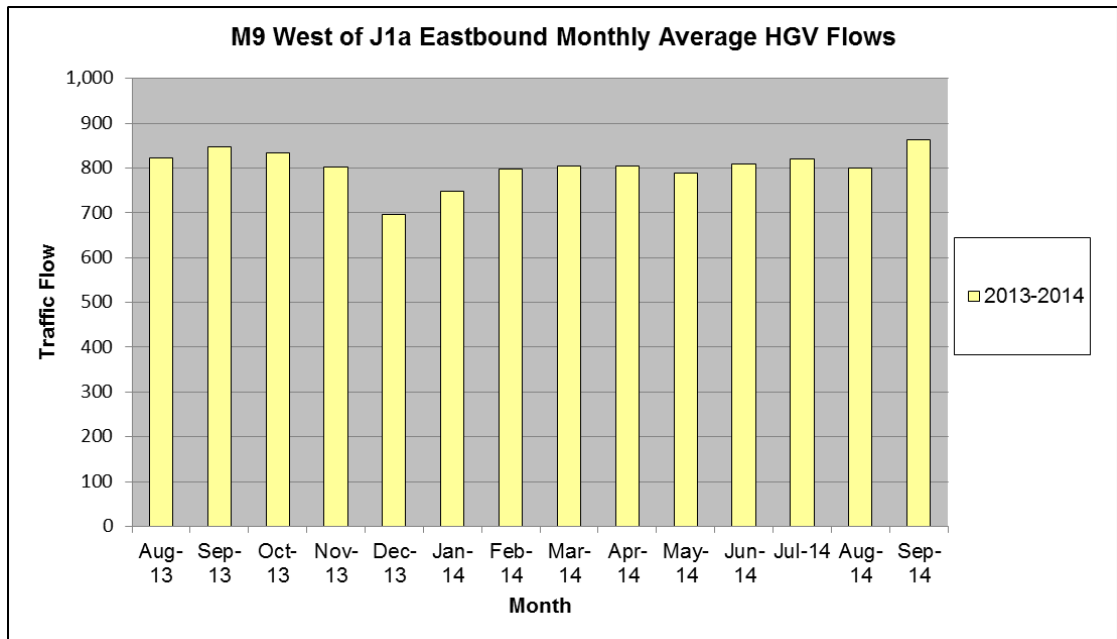
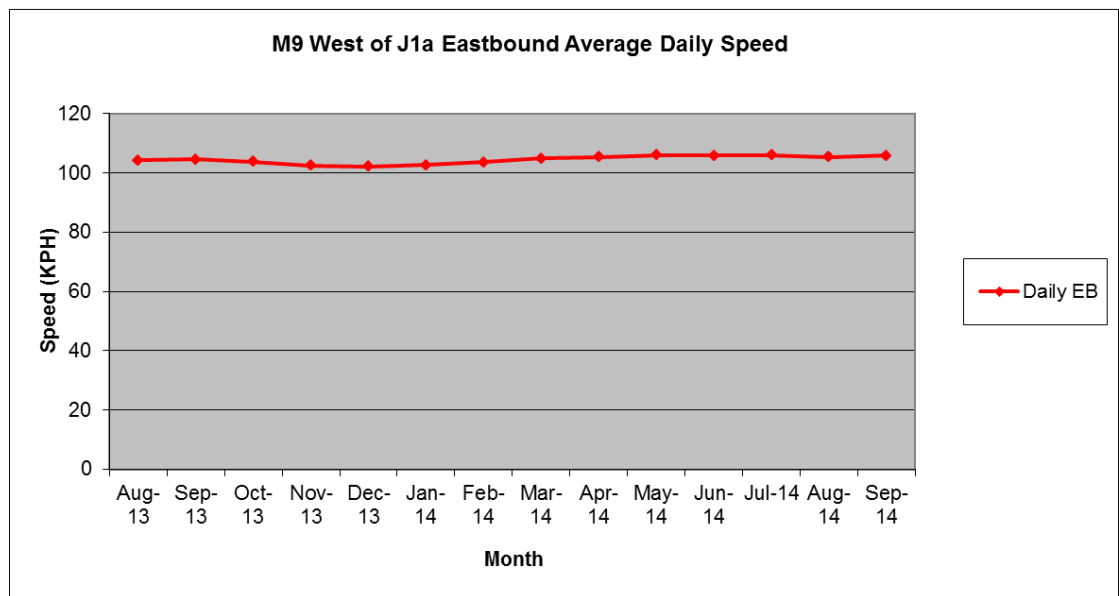


Figure 3-173 Monthly HGV Traffic Flows on the M9 West of J1a Eastbound

### 3.34.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-136 Site: NTC01261 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01261	M9 West of J1a Eastbound	Aug-13	104
		Sep-13	105
		Oct-13	104
		Nov-13	103
		Dec-13	102
		Jan-14	103
		Feb-14	104
		Mar-14	105
		Apr-14	105
		May-14	106
		Jun-14	106
		Jul-14	106
		Aug-14	105
		Sep-14	106



**Figure 3-174 Average Monthly Traffic Speeds (KPH) on the M9 West of J1a Eastbound**



### 3.35 Traffic Counter NTC01270 – M9 Spur at J1a Northbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.35.1 Monthly Average Traffic Flows

**Table 3-137 Site: NTC01270 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01270	M9 Spur at J1a Northbound	Aug-11	No Data
		Aug-13	19,536
		Sep-13	18,953
		Oct-13	18,699
		Nov-13	17,750
		Dec-13	15,827
		Jan-14	15,948
		Feb-14	17,386
		Mar-14	17,829
		Apr-14	18,380
		May-14	18,624
		Jun-14	19,207
		Jul-14	19,686
		Aug-14	19,490
		Sep-14	19,535
		<b>Annual Average</b>	<b>18,152</b>

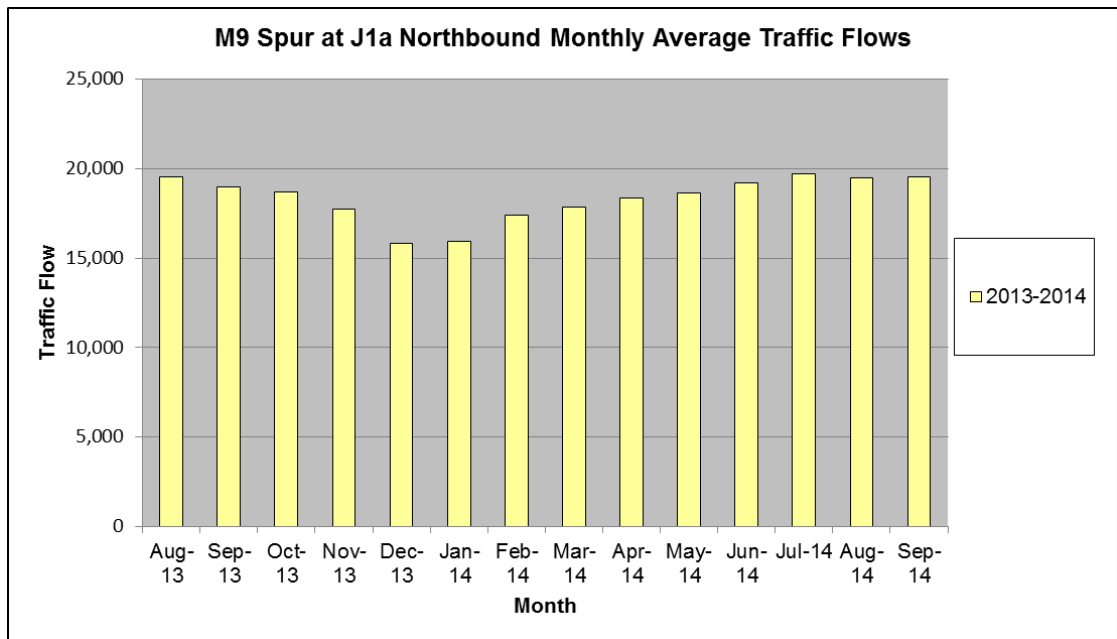


Figure 3-175 Monthly AADTs on the M9 Spur at J1a Northbound

### 3.35.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-138 Site: NTC01270 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01270	M9 Spur at J1a Northbound	Aug-11	No Data	No Data
		Aug-13	3,204	4,476
		Sep-13	3,226	4,397
		Oct-13	3,168	4,451
		Nov-13	3,064	4,331
		Dec-13	2,371	3,714
		Jan-14	2,752	3,979
		Feb-14	3,038	4,283
		Mar-14	3,062	4,311
		Apr-14	3,143	4,157
		May-14	3,210	4,305
		Jun-14	3,266	4,328
		Jul-14	3,313	4,261
		Aug-14	3,246	4,238
Sep-14	3,478	4,333		
	<b>Annual Average</b>	<b>3,068</b>	<b>4,250</b>	

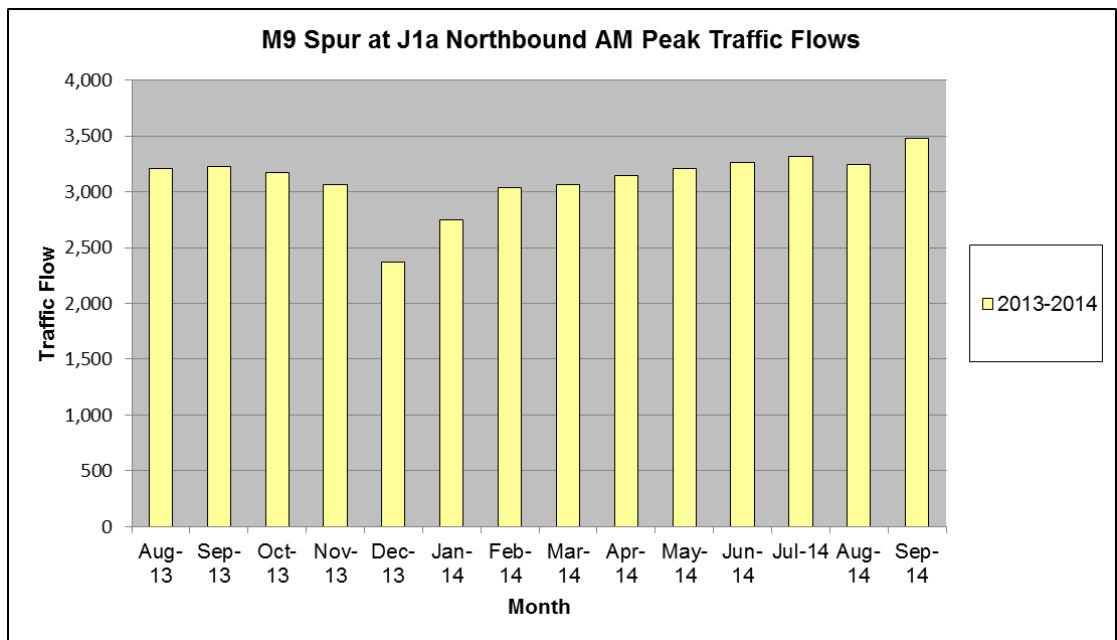


Figure 3-176 Monthly AM Peak Flows on the M9 Spur at J1a Northbound

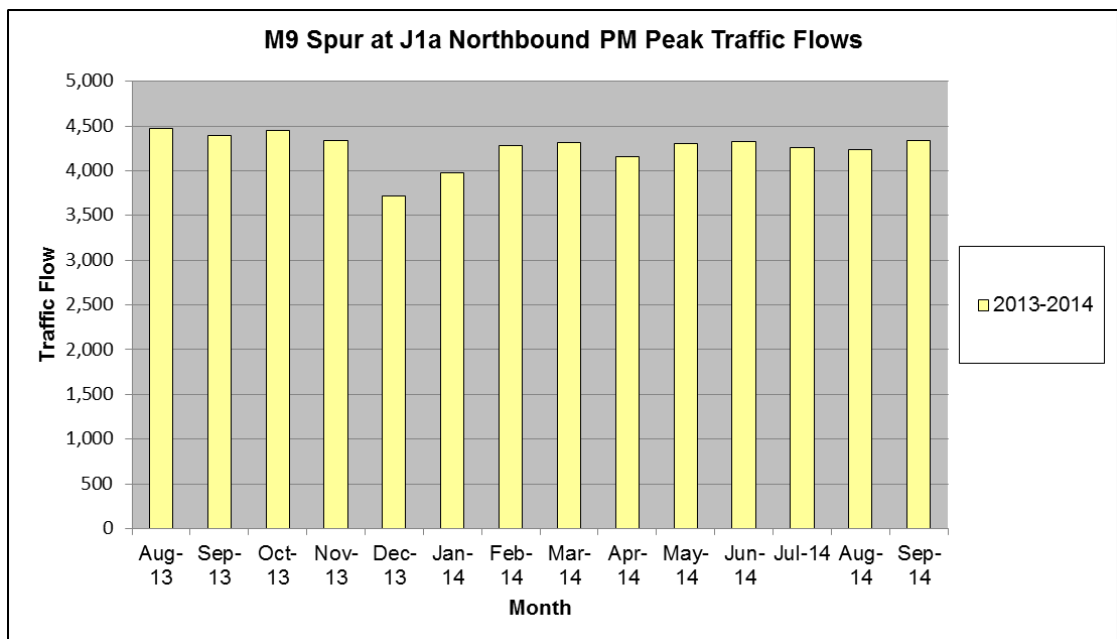


Figure 3-177 Monthly PM Peak Flows on the M9 Spur at J1a Northbound

### 3.35.3 Monthly Average HGV Flows

Table 3-139 Site: NTC01270 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
NTC01270	M9 Spur at J1a Northbound	Aug-11	No Data
		Aug-13	1,408
		Sep-13	1,399
		Oct-13	1,418
		Nov-13	1,391
		Dec-13	1,106
		Jan-14	1,190
		Feb-14	1,278
		Mar-14	1,275
		Apr-14	1,377
		May-14	1,406
		Jun-14	1,486
		Jul-14	1,525
		Aug-14	1,414
		Sep-14	1,538
		<b>Annual Average</b>	<b>1,355</b>

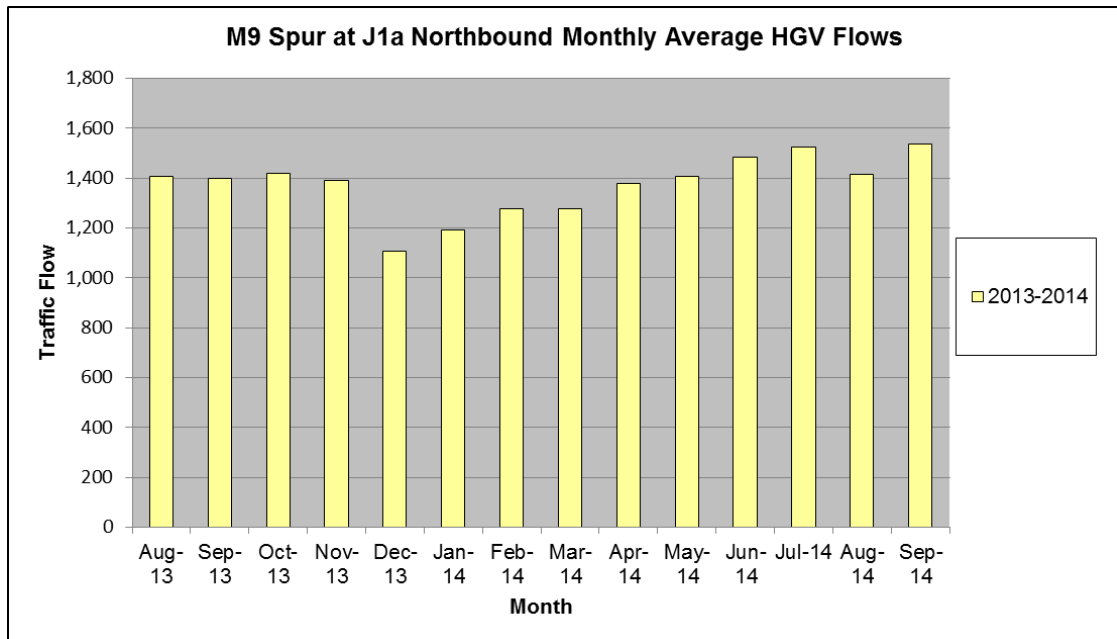
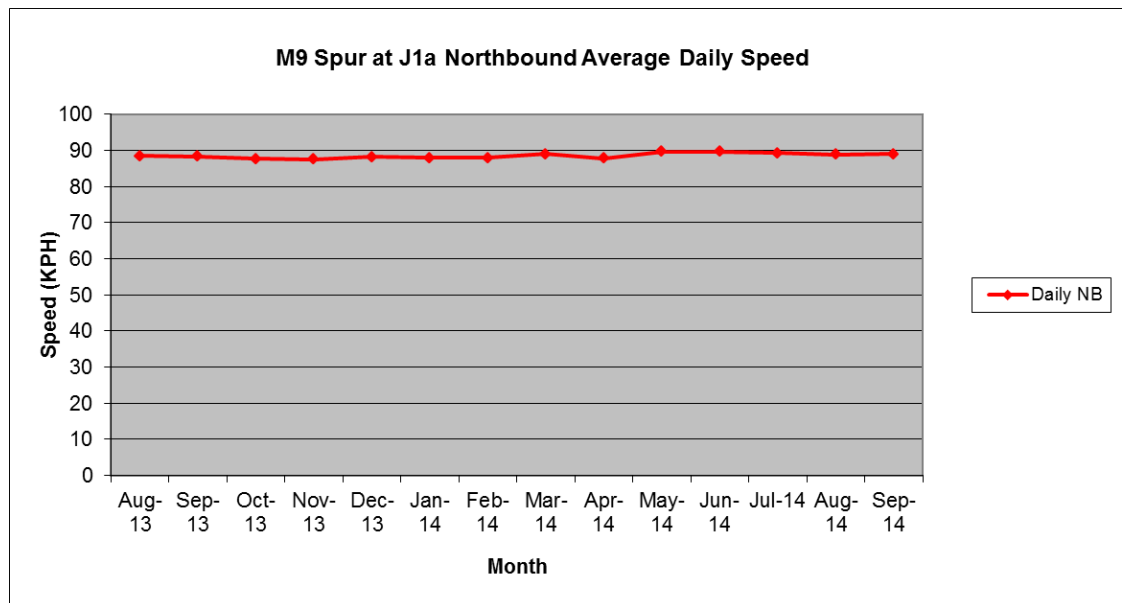


Figure 3-178 Monthly HGV Traffic Flows on the M9 Spur at J1a Northbound

### 3.35.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-140 Site: NTC01270 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01270	M9 Spur at J1a Northbound	Aug-13	88
		Sep-13	88
		Oct-13	88
		Nov-13	88
		Dec-13	88
		Jan-14	88
		Feb-14	88
		Mar-14	89
		Apr-14	88
		May-14	90
		Jun-14	90
		Jul-14	89
		Aug-14	89
		Sep-14	89



**Figure 3-179 Average Monthly Traffic Speeds (KPH) on the M9 Spur at J1a Northbound**

### 3.36 Traffic Counter NTC01271 – M9 Spur at J1a Northbound On-Ramp from M9 East

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are relatively consistent throughout the year however there is a reduction in traffic flow in December and January.
- HGV flows follow a similar pattern to general traffic.

#### 3.36.1 Monthly Average Traffic Flows

**Table 3-141 Site: NTC01271 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01271	M9 Spur at J1a Northbound On-Ramp from M9 East	Aug-11	No Data
		Aug-13	1,350
		Sep-13	1,371
		Oct-13	1,307
		Nov-13	1,302
		Dec-13	1,060
		Jan-14	1,182
		Feb-14	1,252
		Mar-14	1,336
		Apr-14	1,331
		May-14	1,345
		Jun-14	1,345
		Jul-14	1,384
		Aug-14	1,367
Sep-14	1,379		
	<b>Annual Average</b>	<b>1,297</b>	

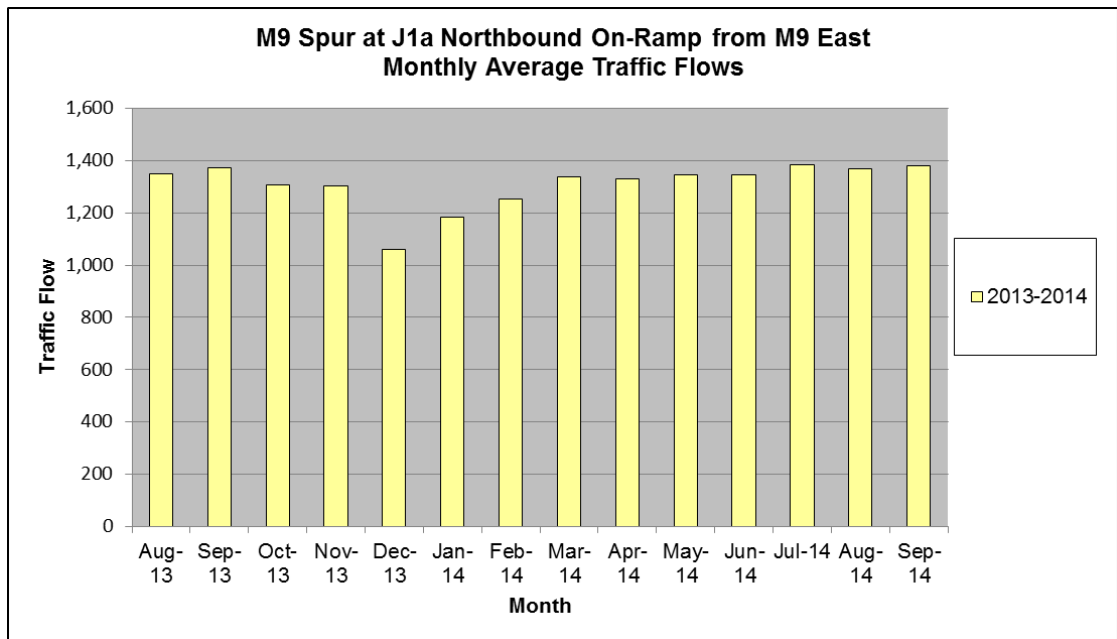


Figure 3-180 Monthly AADTs on the M9 Spur at J1a Northbound On-Ramp from M9 East

### 3.36.2 Monthly Average AM Peak Traffic Flows

Table 3-142 Site: NTC01271 Monthly AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01271	M9 Spur at J1a Northbound On-Ramp from M9 East	Aug-11	No Data	No Data
		Aug-13	391	186
		Sep-13	413	183
		Oct-13	400	176
		Nov-13	399	172
		Dec-13	283	148
		Jan-14	354	170
		Feb-14	358	175
		Mar-14	368	187
		Apr-14	351	188
		May-14	372	183
		Jun-14	367	177
		Jul-14	356	187
		Aug-14	364	170
Sep-14	393	169		
	<b>Annual Average</b>	<b>368</b>	<b>178</b>	

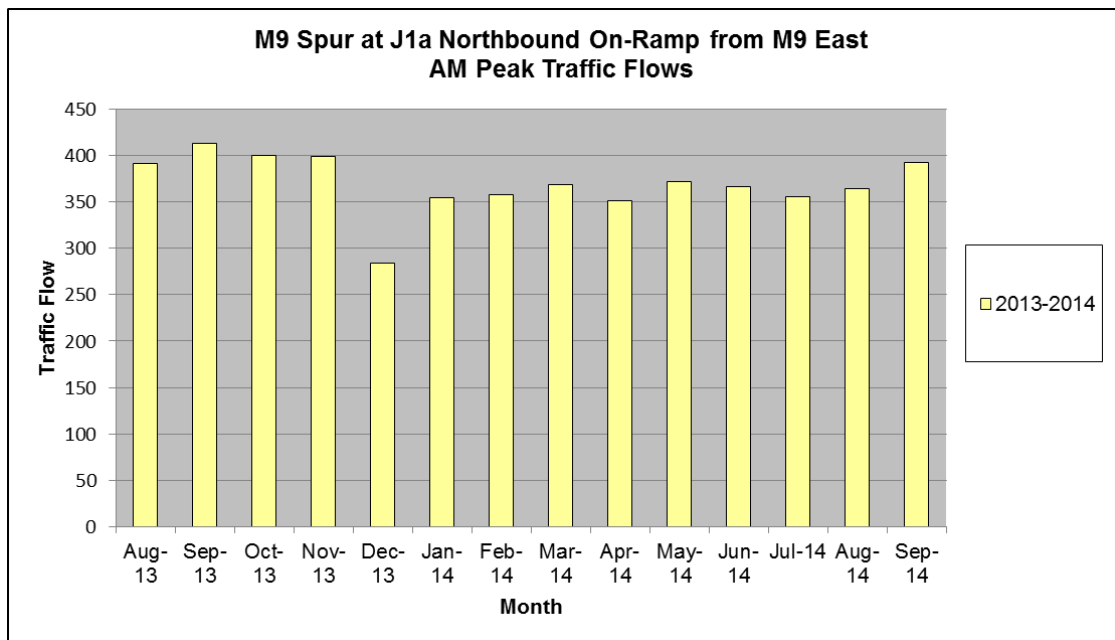


Figure 3-181 Monthly AM Peak Flows on the M9 Spur at J1a Northbound On-Ramp from M9 East

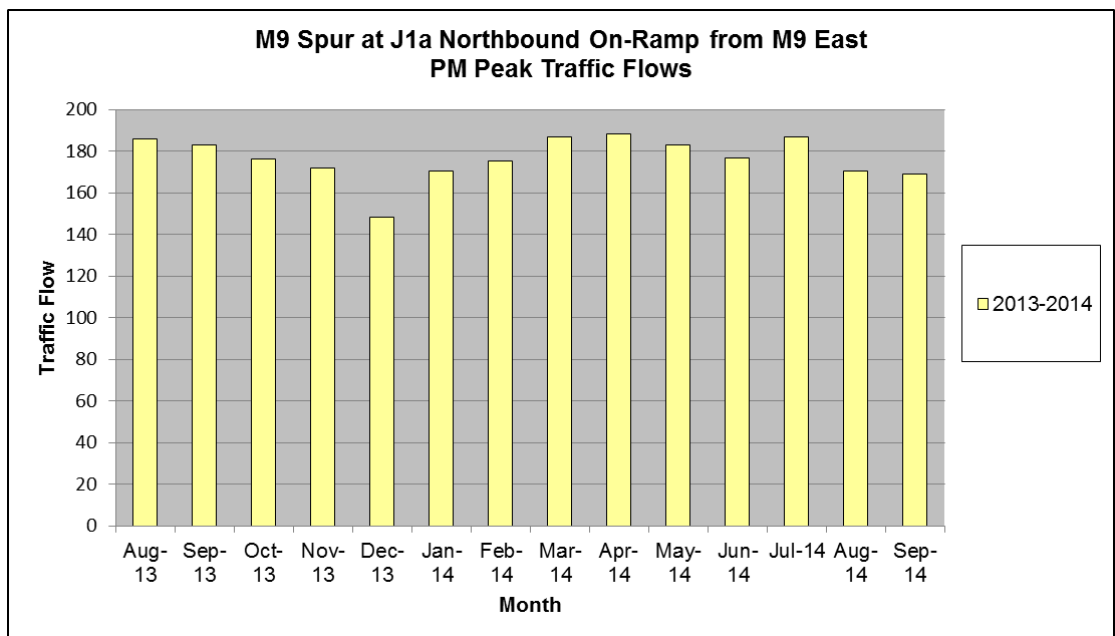


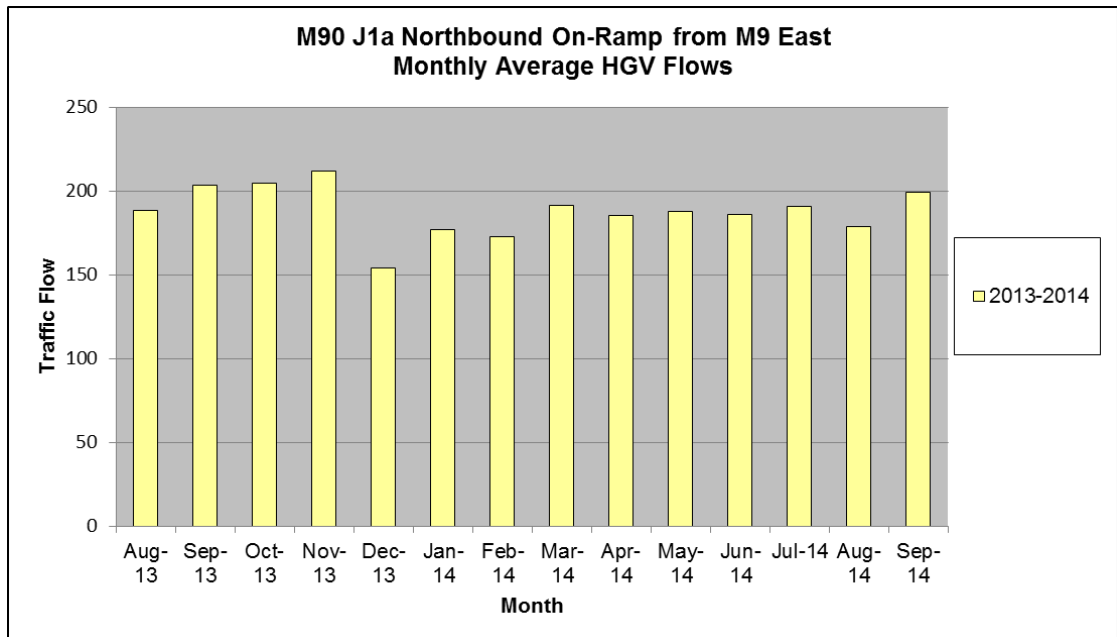
Figure 3-182 Monthly PM Peak Flows on the M9 Spur at J1a Northbound On-Ramp from M9 East



### 3.36.3 Monthly Average HGV Flows

**Table 3-143 Site: NTC01271 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01271	M9 Spur at J1a Northbound On-Ramp from M9 East	Aug-11	No Data
		Aug-13	188
		Sep-13	203
		Oct-13	205
		Nov-13	212
		Dec-13	154
		Jan-14	177
		Feb-14	173
		Mar-14	191
		Apr-14	185
		May-14	188
		Jun-14	186
		Jul-14	191
		Aug-14	179
		Sep-14	200
		<b>Annual Average</b>	<b>188</b>

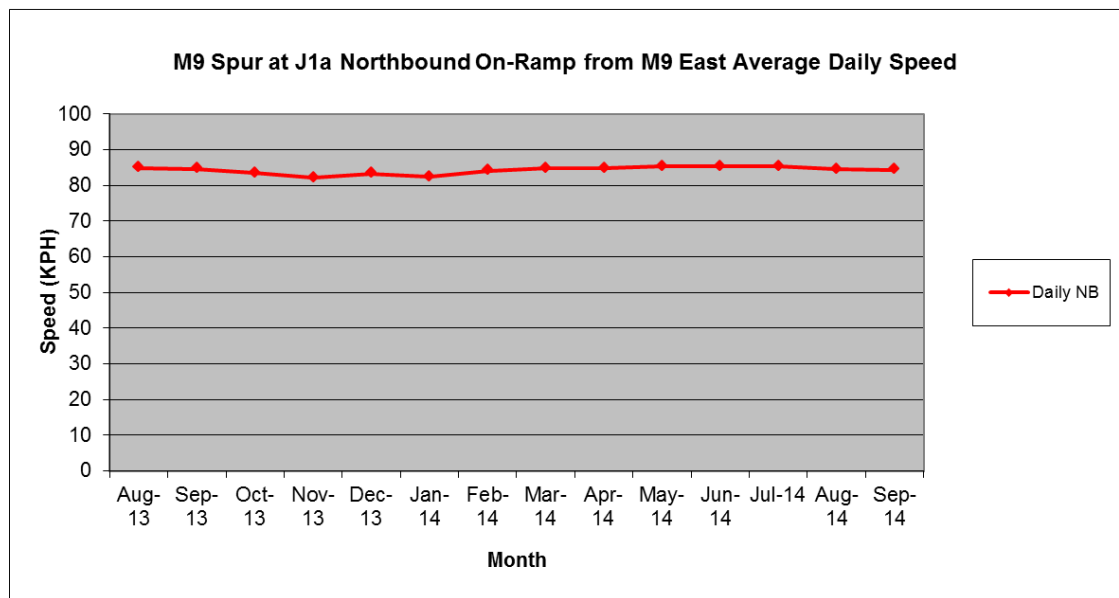


**Figure 3-183 Monthly HGV Traffic Flows on the M9 Spur at J1a Northbound On-Ramp from M9 East**

### 3.36.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-144 Site: NTC01271 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01271	M9 Spur at J1a Northbound On-Ramp from M9 East	Aug-13	85
		Sep-13	85
		Oct-13	83
		Nov-13	82
		Dec-13	83
		Jan-14	82
		Feb-14	84
		Mar-14	85
		Apr-14	85
		May-14	85
		Jun-14	85
		Jul-14	85
		Aug-14	85
Sep-14	84		



**Figure 3-184 Average Monthly Traffic Speeds (KPH) on the M9 Spur at J1a Northbound On-Ramp from M9 East**

### 3.37 Traffic Counter NTC01272 – M9 Spur at J1a Southbound Off-Ramp to M9 East

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.37.1 Monthly Average Traffic Flows

**Table 3-145 Site: NTC01272 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01272	M9 Spur at J1a Southbound Off-Ramp to M9 East	Aug-11	No Data
		Aug-13	20,330
		Sep-13	19,752
		Oct-13	19,520
		Nov-13	17,379
		Dec-13	15,899
		Jan-14	16,583
		Feb-14	18,021
		Mar-14	18,561
		Apr-14	19,411
		May-14	19,956
		Jun-14	20,338
		Jul-14	20,789
		Aug-14	21,032
		Sep-14	20,882
		<b>Annual Average</b>	<b>18,878</b>

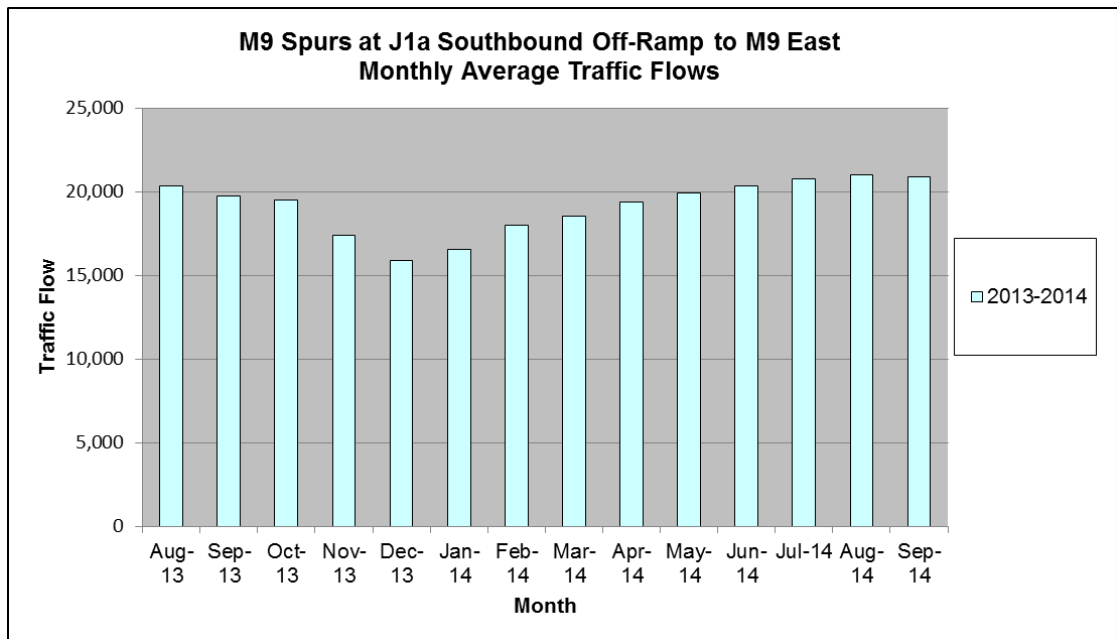


Figure 3-185 Monthly AADTs on the M9 Spur at J1a Southbound Off-Ramp to M9 East

### 3.37.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-146 Site: NTC01272 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01272	M9 at J1a Southbound Off-Ramp to M9 East	Aug-11	No Data	No Data
		Aug-13	3,962	4,040
		Sep-13	4,029	3,949
		Oct-13	4,068	3,854
		Nov-13	3,662	3,346
		Dec-13	3,025	2,896
		Jan-14	3,529	3,228
		Feb-14	3,842	3,539
		Mar-14	3,897	3,675
		Apr-14	3,814	3,881
		May-14	4,030	3,951
		Jun-14	4,079	3,942
		Jul-14	4,167	4,020
		Aug-14	4,018	4,111
Sep-14	4,297	4,197		
		<b>Annual Average</b>	<b>3,842</b>	<b>3,693</b>

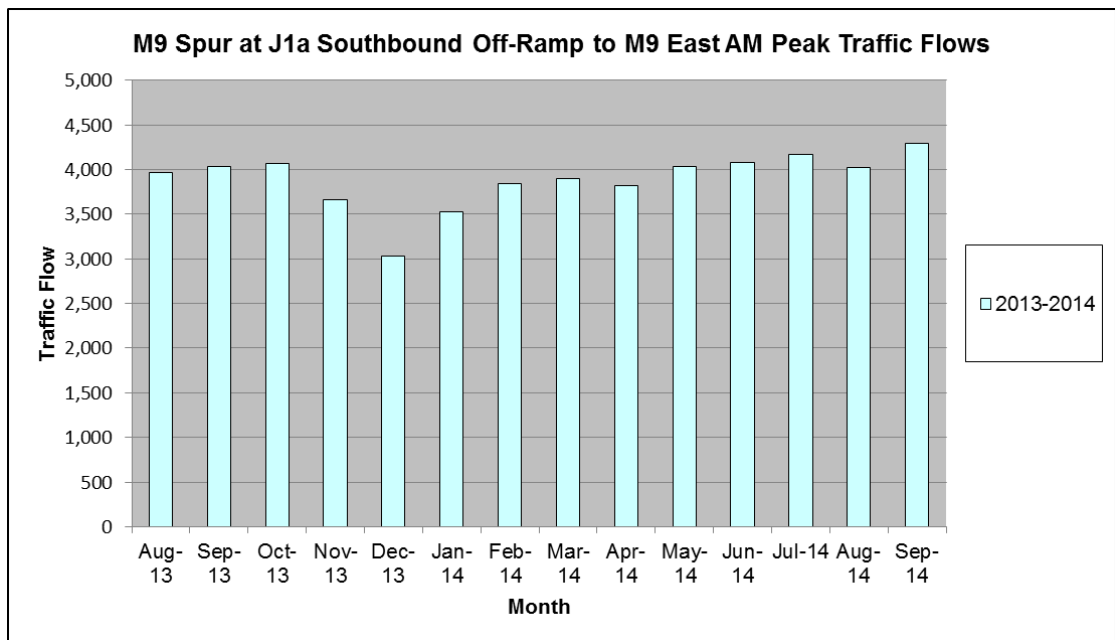


Figure 3-186 Monthly AM Peak Flows on the M9 Spur at J1a Southbound Off-Ramp to M9 East

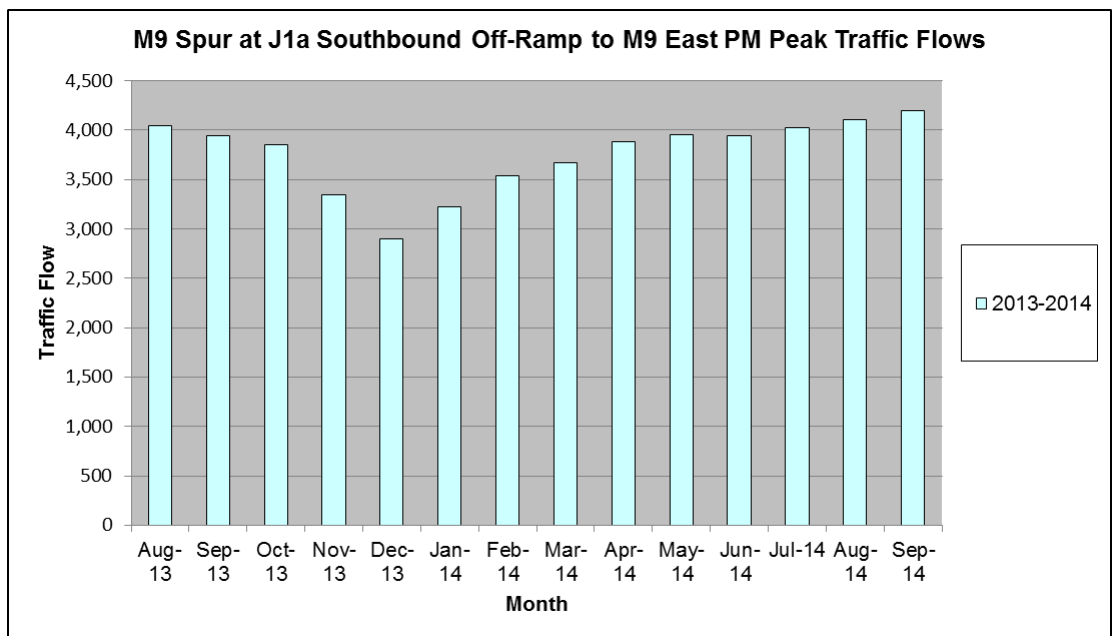


Figure 3-187 Monthly PM Peak Flows on the M9 Spur at J1a Southbound Off-Ramp to M9 East

### 3.37.3 Monthly Average HGV Flows

Table 3-147 Site: NTC01272 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
NTC01272	M90 J1a Southbound Off-Ramp to M9 East	Aug-11	No Data
		Aug-13	1,402
		Sep-13	1,413
		Oct-13	1,422
		Nov-13	1,255
		Dec-13	1,057
		Jan-14	1,190
		Feb-14	1,285
		Mar-14	1,268
		Apr-14	1,383
		May-14	1,429
		Jun-14	1,512
		Jul-14	1,509
		Aug-14	1,445
		Sep-14	1,558
		<b>Annual Average</b>	<b>1,344</b>

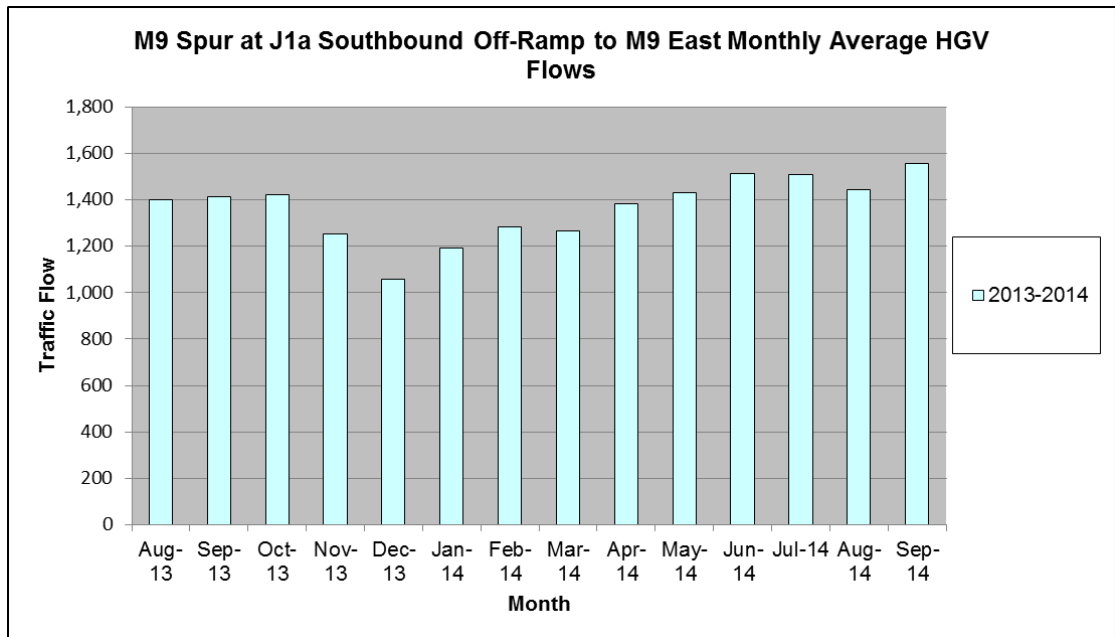
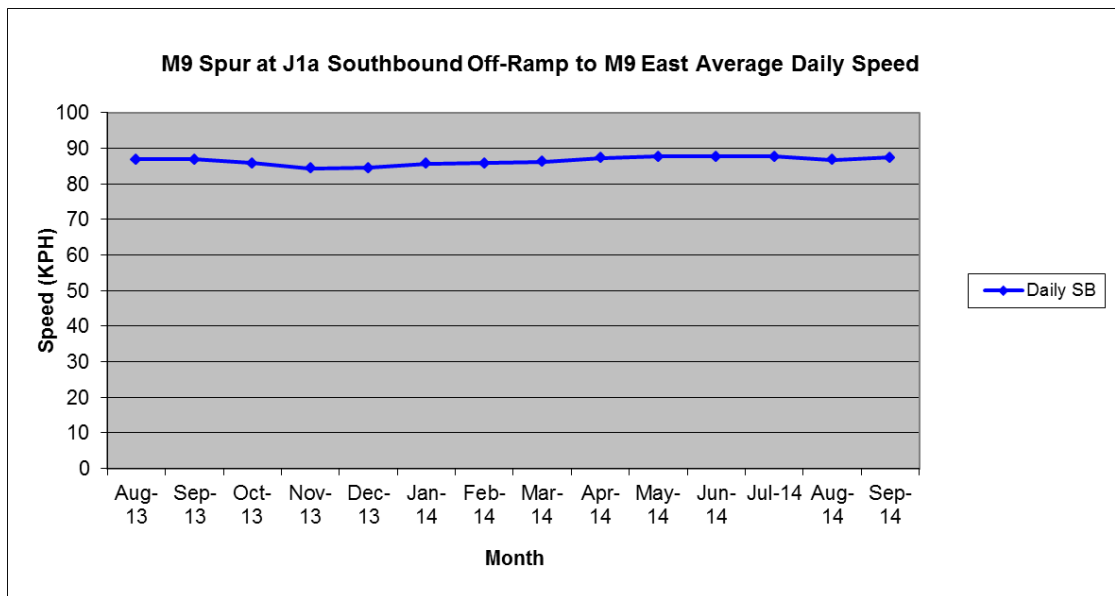


Figure 3-188 Monthly HGV Traffic Flows on the M9 Spur at J1a Southbound Off-Ramp to M9 East

### 3.37.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-148 Site: NTC01272 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01272	M9 Spur at J1a Southbound Off-Ramp to M9 East	Aug-13	87
		Sep-13	87
		Oct-13	86
		Nov-13	84
		Dec-13	84
		Jan-14	86
		Feb-14	86
		Mar-14	86
		Apr-14	87
		May-14	88
		Jun-14	88
		Jul-14	88
		Aug-14	87
		Sep-14	87



**Figure 3-189 Average Monthly Traffic Speeds (KPH) on the M9 at J1a Southbound Off-Ramp to M9 East**

### 3.38 Traffic Counter NTC01274 – M9 Spur at J1a Southbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are relatively consistent throughout the year however do show some degree of seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.38.1 Monthly Average Traffic Flows

**Table 3-149 Site: NTC01274 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01274	M9 Spur at J1a Southbound	Aug-11	No Data
		Aug-13	1,595
		Sep-13	1,605
		Oct-13	1,552
		Nov-13	No Data
		Dec-13	1,043
		Jan-14	1,346
		Feb-14	1,507
		Mar-14	1,544
		Apr-14	1,587
		May-14	1,553
		Jun-14	1,614
		Jul-14	1,640
		Aug-14	1,685
		Sep-14	1,657
		<b>Annual Average</b>	<b>1,401</b>



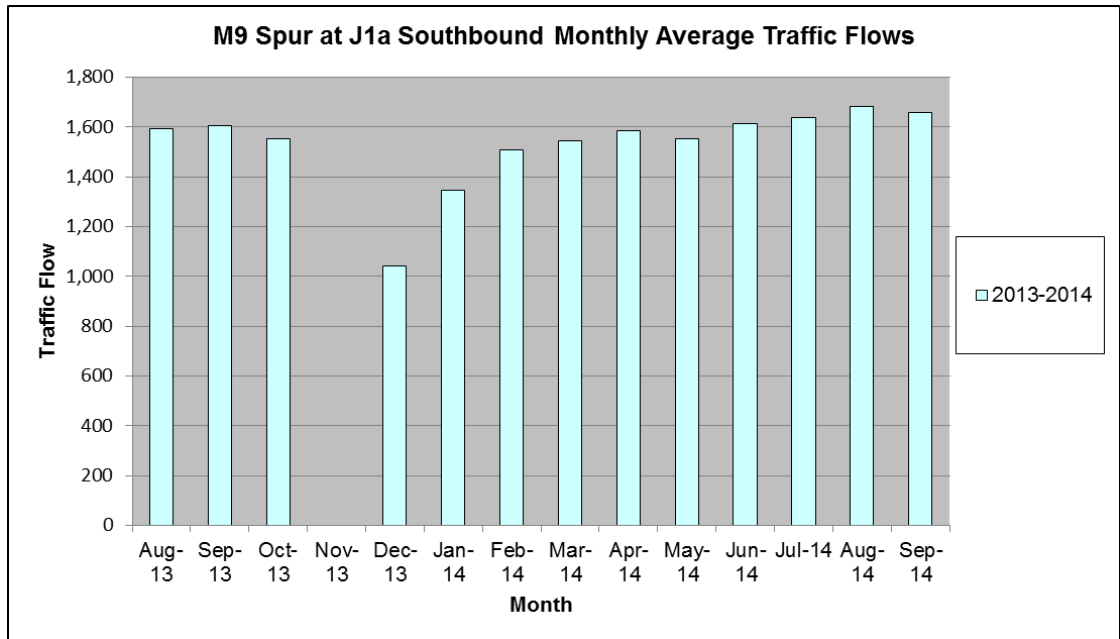


Figure 3-190 Monthly AADTs on the M9 Spur at J1a Southbound

### 3.38.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-150 Site: NTC01274 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01274	M9 Spur at J1a Southbound	Aug-11	No Data	No Data
		Aug-13	251	411
		Sep-13	259	436
		Oct-13	257	409
		Nov-13	No Data	No Data
		Dec-13	160	250
		Jan-14	210	370
		Feb-14	242	410
		Mar-14	247	422
		Apr-14	242	425
		May-14	238	400
		Jun-14	250	415
		Jul-14	254	408
		Aug-14	251	412
Sep-14	259	447		
	<b>Annual Average</b>	<b>222</b>	<b>368</b>	

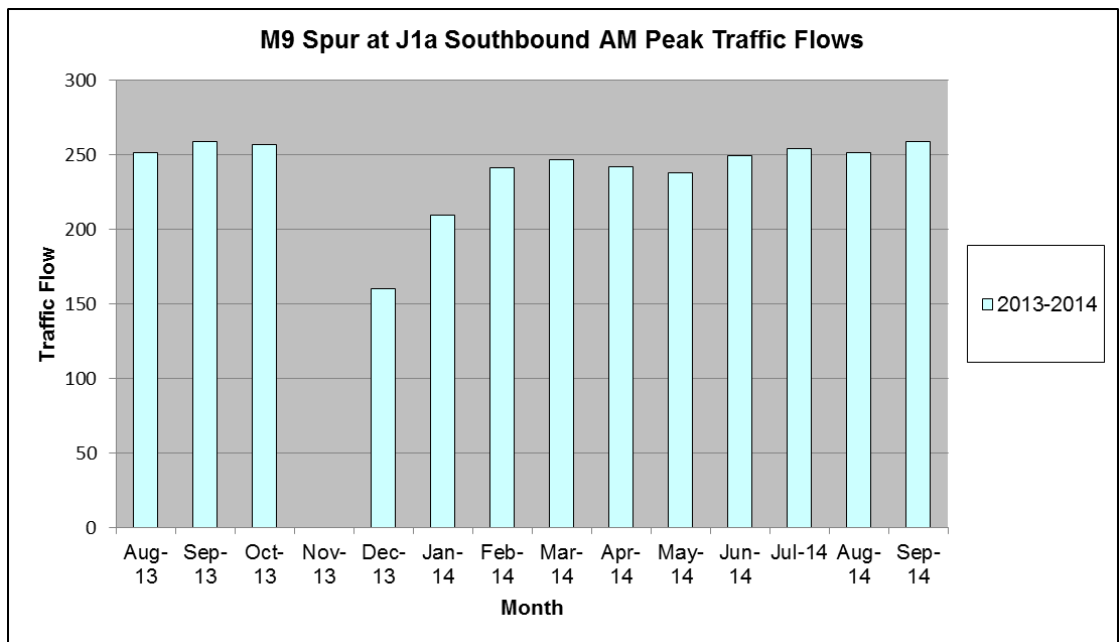


Figure 3-191 Monthly AM Peak Flows on the M9 Spur at J1a Southbound

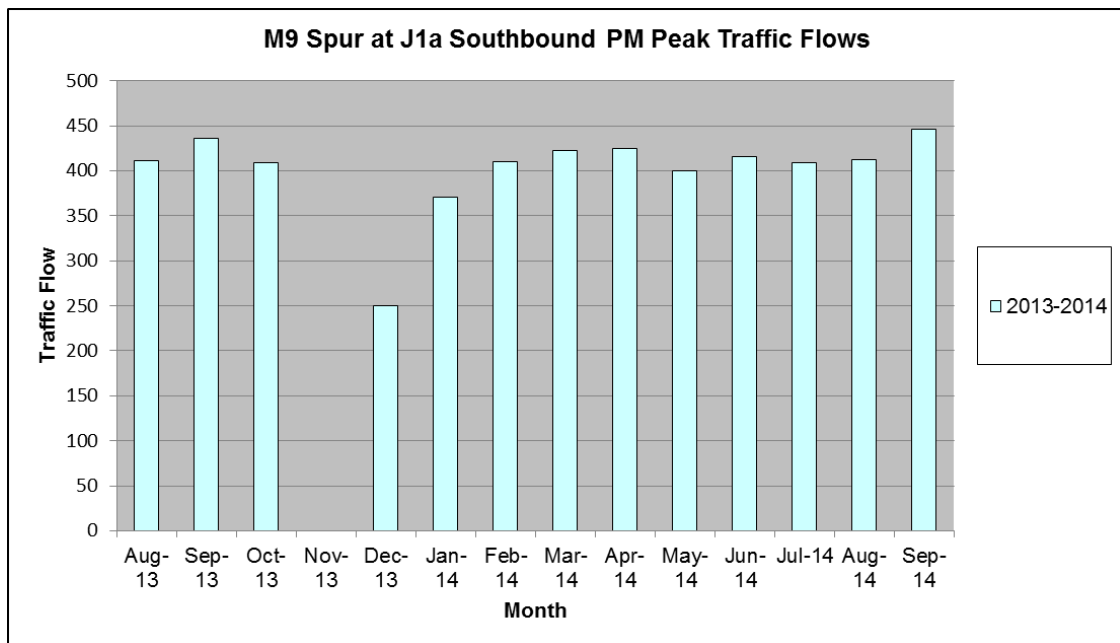


Figure 3-192 Monthly PM Peak Flows on the M9 Spur at J1a Southbound

### 3.38.3 Monthly Average HGV Flows

Table 3-151 Site: NTC01274 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
NTC01274	M9 Spur at J1a Southbound	Aug-11	No Data
		Aug-13	181
		Sep-13	201
		Oct-13	206
		Nov-13	No Data
		Dec-13	120
		Jan-14	166
		Feb-14	189
		Mar-14	192
		Apr-14	190
		May-14	181
		Jun-14	184
		Jul-14	192
		Aug-14	186
		Sep-14	203

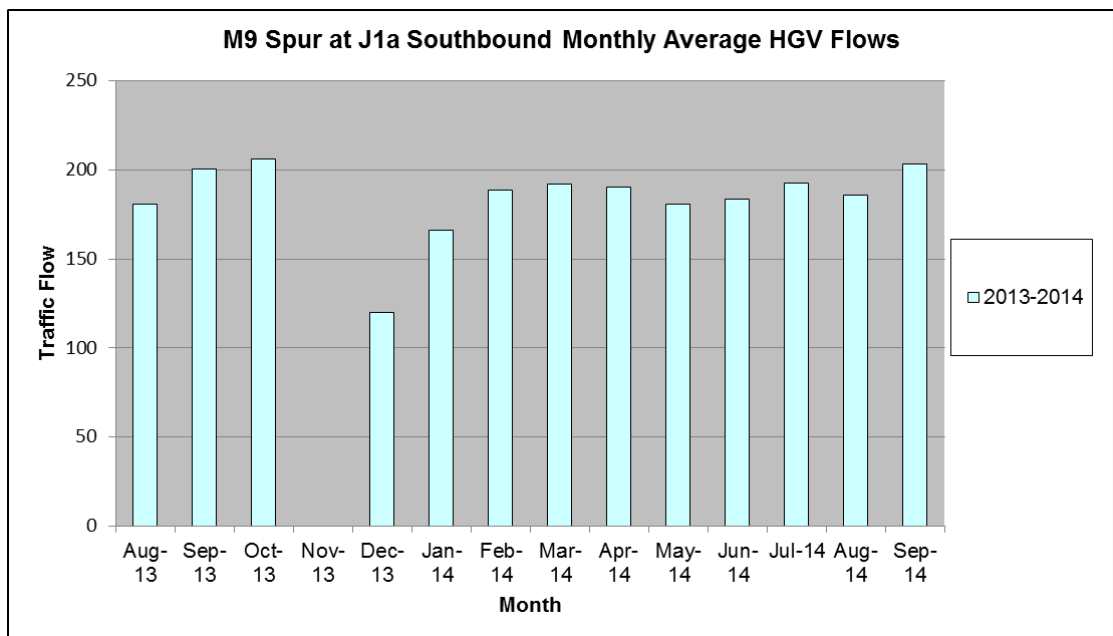
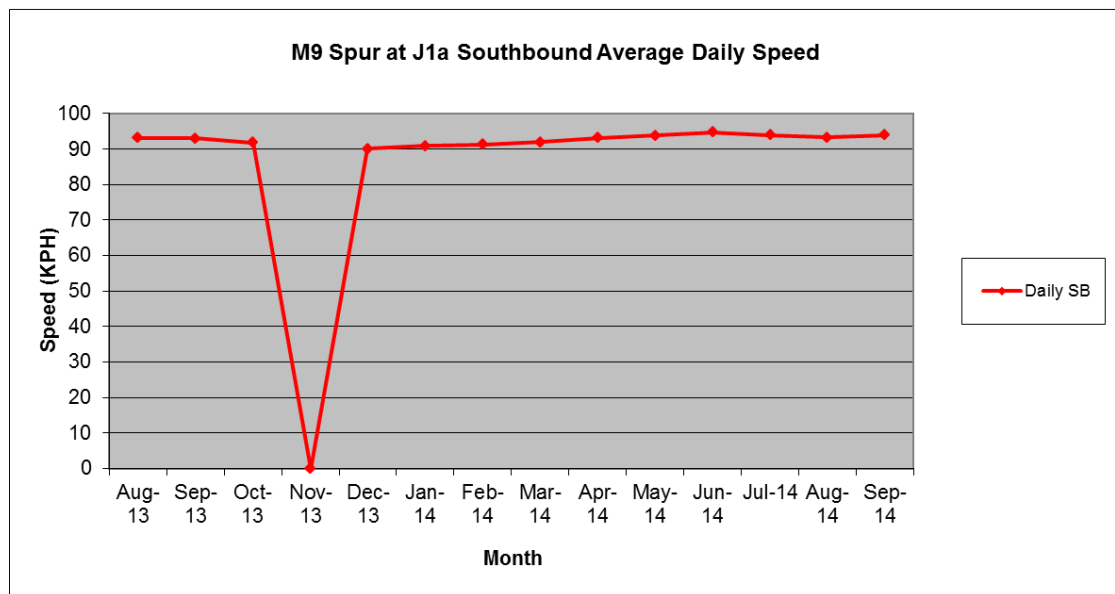


Figure 3-193 Monthly HGV Traffic Flows on the M9 Spur at J1a Southbound

### 3.38.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-152 Site: NTC01274 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01274	M9 Spur at J1a Southbound	Aug-13	93
		Sep-13	93
		Oct-13	92
		Nov-13	No Data
		Dec-13	90
		Jan-14	91
		Feb-14	91
		Mar-14	92
		Apr-14	93
		May-14	94
		Jun-14	95
		Jul-14	94
		Aug-14	93
		Sep-14	94



**Figure 3-194 Average Monthly Traffic Speeds (KPH) on the M9 Spur at J1a Southbound**

### 3.39 Traffic Counter NTC01179 – M90 at J2a Halbeath Northbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Limited traffic flow data was available for May to September 2014, therefore the data was not considered to be sufficiently representative for analysis.
- Traffic flows peaked in August 2013.

#### 3.39.1 Monthly Average Traffic Flows

**Table 3-153 Site: NTC01179 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01179	M90 at J2a Halbeath Northbound	Aug-11	No Data
		Aug-13	14,981
		Sep-13	14,375
		Oct-13	14,304
		Nov-13	13,920
		Dec-13	12,728
		Jan-14	12,565
		Feb-14	13,714
		Mar-14	No Data
		Apr-14	No Data
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	No Data

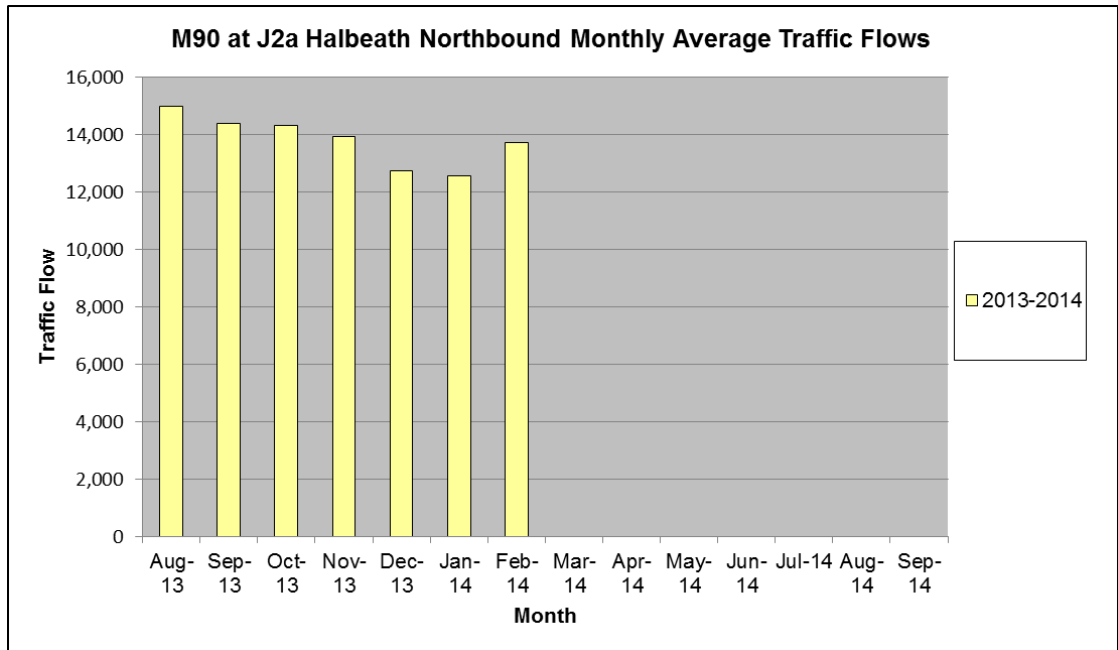


Figure 3-195 Monthly AADTs on the M90 at J2a Halbeath Northbound

### 3.39.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-154 Site: NTC01179 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01179	M90 at J2a Halbeath Northbound	Aug-11	No Data	No Data
		Aug-13	2,560	3,380
		Sep-13	2,573	3,364
		Oct-13	2,524	3,433
		Nov-13	2,524	3,374
		Dec-13	1,992	2,934
		Jan-14	2,241	3,129
		Feb-14	2,505	3,363
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		<b>Annual Average</b>	<b>2,417</b>	<b>3,282</b>

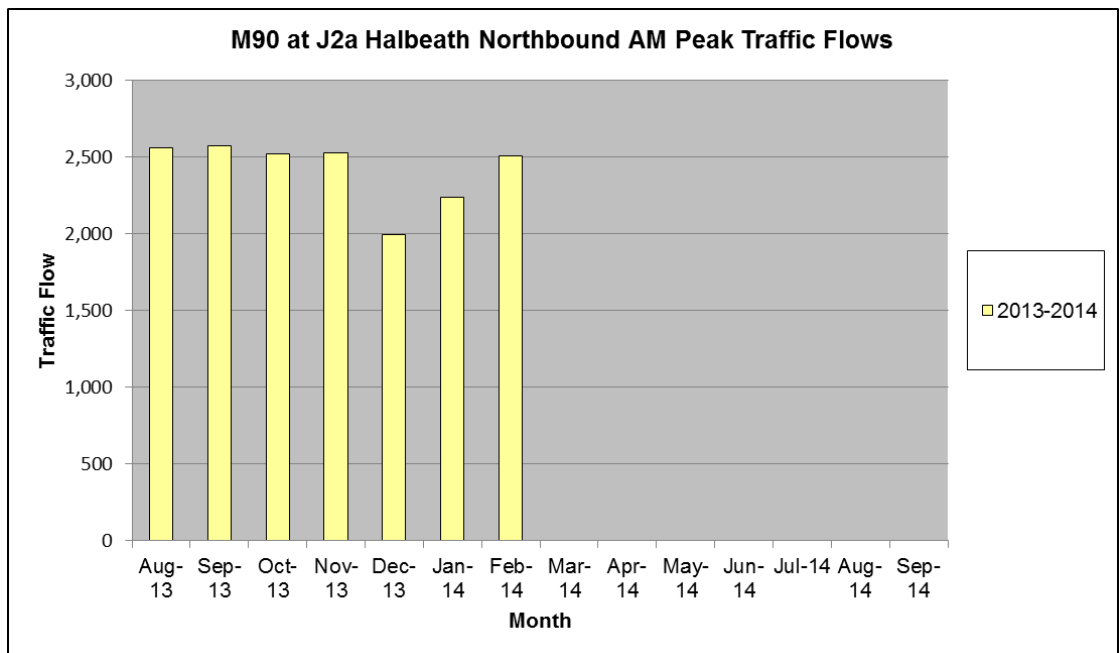


Figure 3-196 Monthly AM Peak Flows on the M90 at J2a Halbeath Northbound

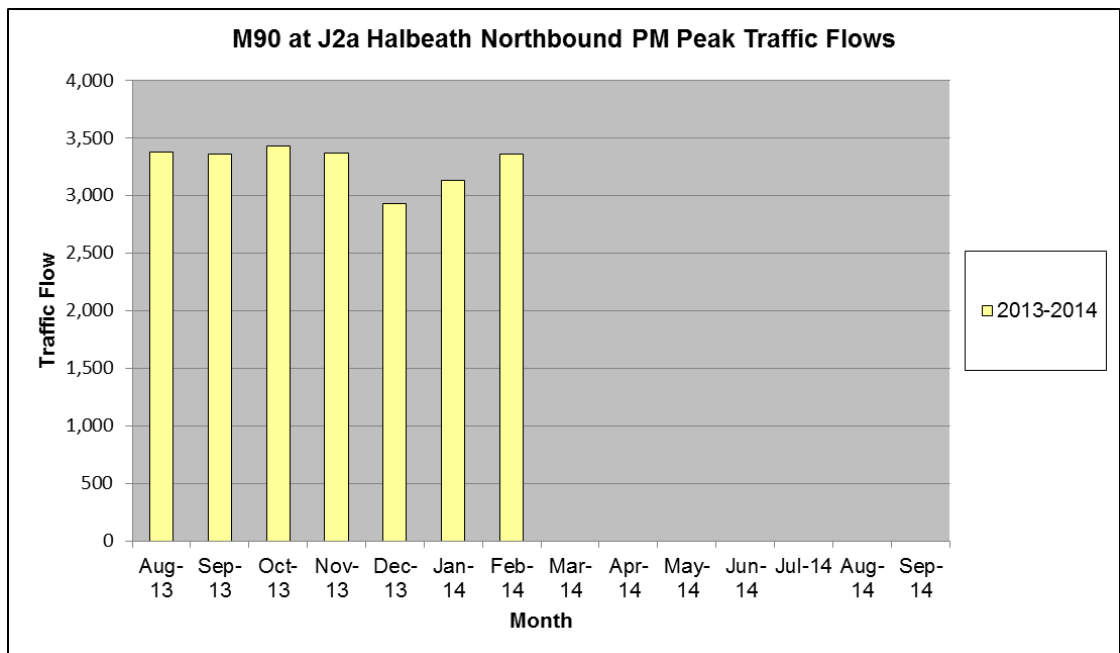
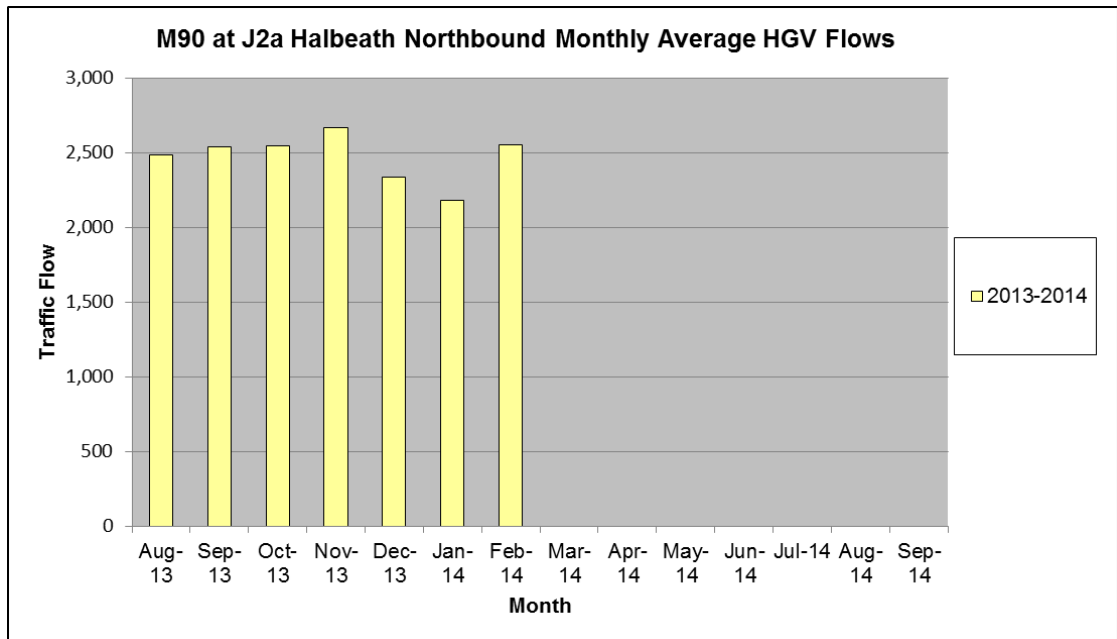


Figure 3-197 Monthly PM Peak Flows on the M90 at J2a Halbeath Northbound

### 3.39.3 Monthly Average HGV Flows

**Table 3-155 Site: NTC01179 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01179	M90 at J2a Halbeath Northbound	Aug-11	No Data
		Aug-13	2,487
		Sep-13	2,542
		Oct-13	2,545
		Nov-13	2,672
		Dec-13	2,339
		Jan-14	2,181
		Feb-14	2,552
		Mar-14	No Data
		Apr-14	No Data
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	No Data
		<b>Annual Average</b>	<b>2,474</b>



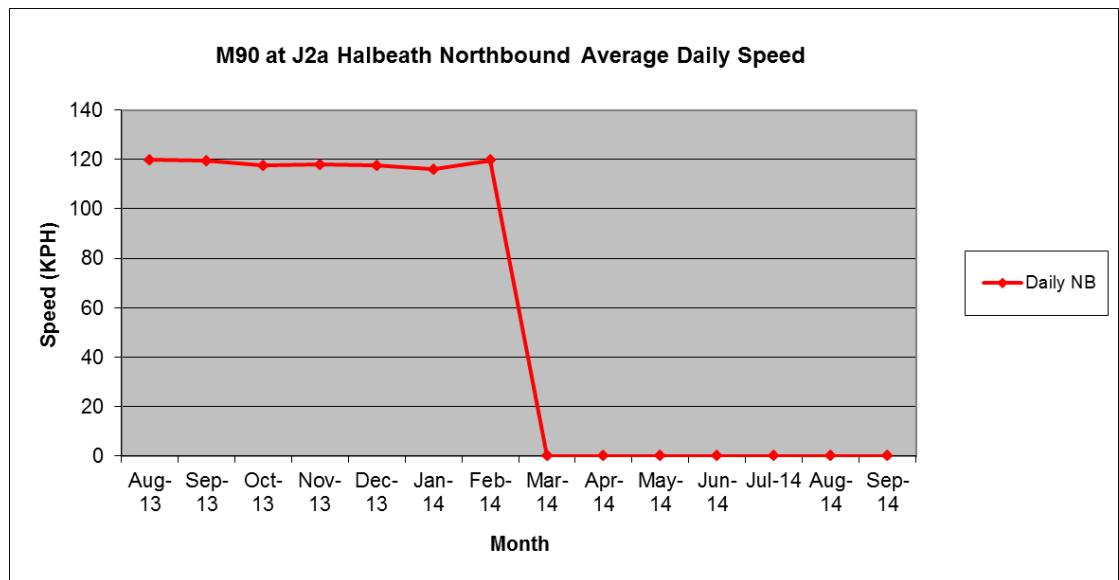
**Figure 3-198 Monthly HGV Traffic Flows on the M90 at J2a Halbeath Northbound**



### 3.39.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-156 Site: NTC01179 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01179	M90 at J2a Halbeath Northbound	Aug-13	120
		Sep-13	119
		Oct-13	117
		Nov-13	118
		Dec-13	118
		Jan-14	116
		Feb-14	120
		Mar-14	No Data
		Apr-14	No Data
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	No Data



**Figure 3-199 Average Monthly Traffic Speeds (KPH) on the M90 at J2a Halbeath Northbound**

### 3.40 Traffic Counter NTC01181 – M90 at J2a Halbeath Southbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to all traffic, with August and September 2014 also showing an increase in HGV flow compared to the same months in 2013.

#### 3.40.1 Monthly Average Traffic Flows

**Table 3-157 Site: NTC01181 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01181	M90 at J2a Halbeath Southbound	Aug-11	No Data
		Aug-13	17,353
		Sep-13	16,379
		Oct-13	15,792
		Nov-13	15,169
		Dec-13	13,492
		Jan-14	13,195
		Feb-14	14,243
		Mar-14	14,622
		Apr-14	15,411
		May-14	15,854
		Jun-14	16,115
		Jul-14	16,158
		Aug-14	16,649
Sep-14	16,176		
		<b>Annual Average</b>	<b>15,315</b>

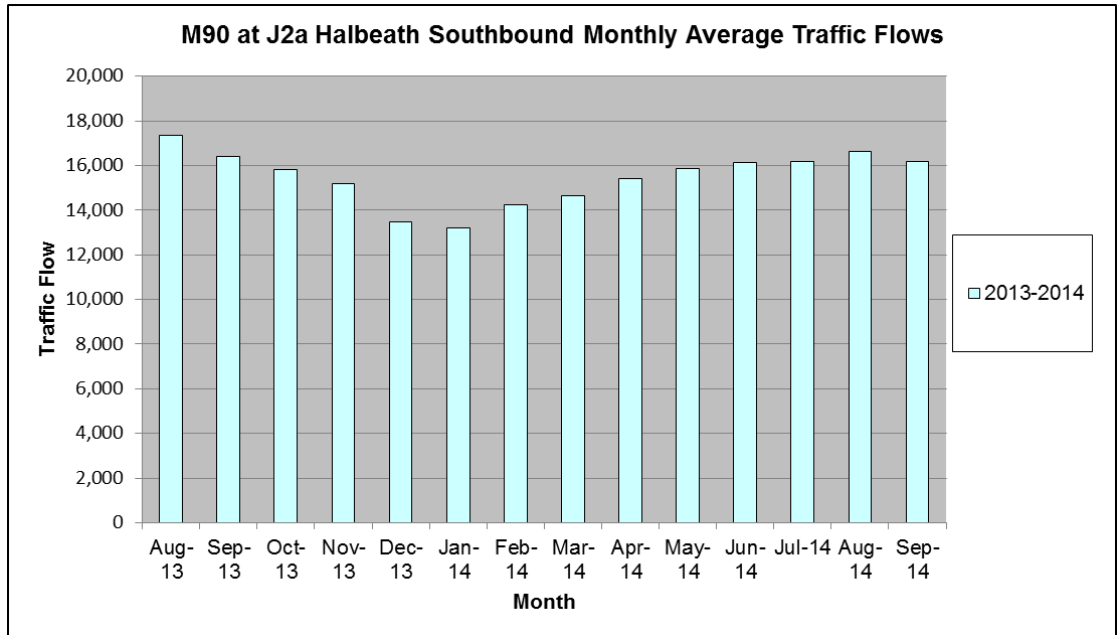


Figure 3-200 Monthly AADTs on the M90 at J2a Halbeath Southbound

### 3.40.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-158 Site: NTC01181 Monthly AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01181	M90 at J2a Halbeath Southbound	Aug-11	No Data	No Data
		Aug-13	2,878	3,861
		Sep-13	2,821	3,736
		Oct-13	2,744	3,549
		Nov-13	2,730	3,385
		Dec-13	2,124	2,869
		Jan-14	2,372	2,906
		Feb-14	2,554	3,137
		Mar-14	2,548	3,284
		Apr-14	2,611	3,464
		May-14	2,686	3,382
		Jun-14	2,785	3,452
		Jul-14	2,642	3,378
		Aug-14	2,628	3,625
Sep-14	2,746	3,592		
	<b>Annual Average</b>	<b>2,625</b>	<b>3,367</b>	

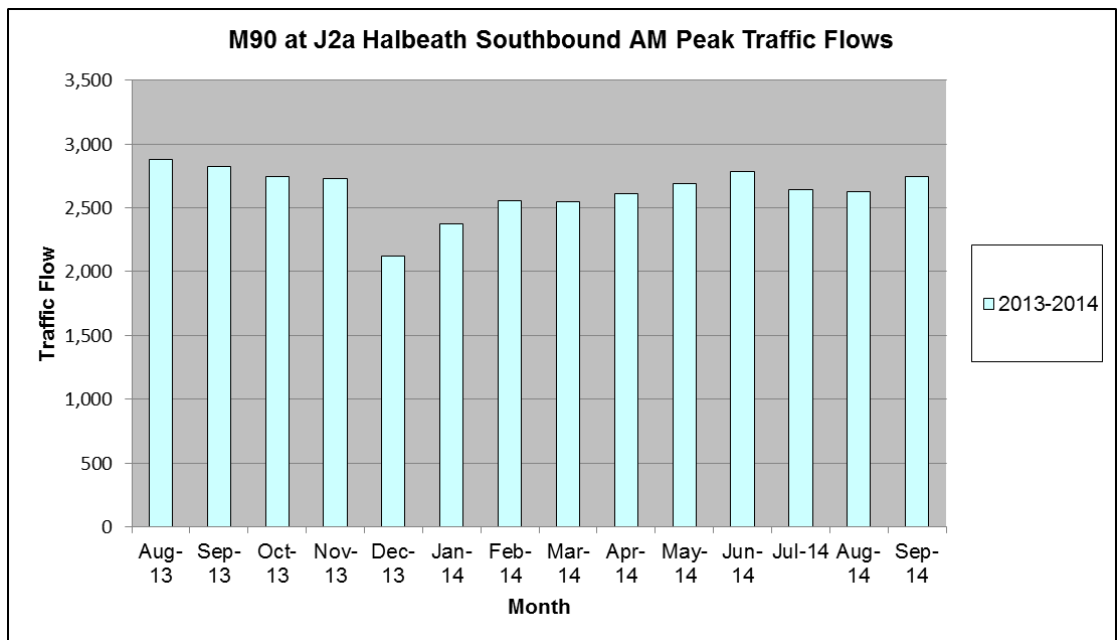


Figure 3-201 Monthly AM Peak Flows on the M90 at J2a Halbeath Southbound

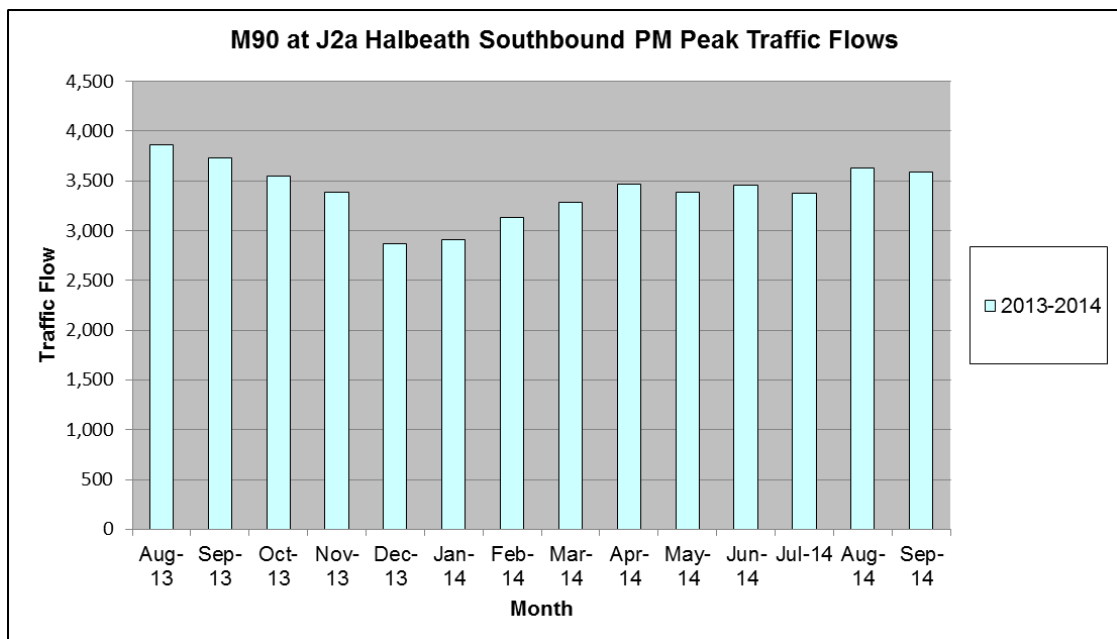
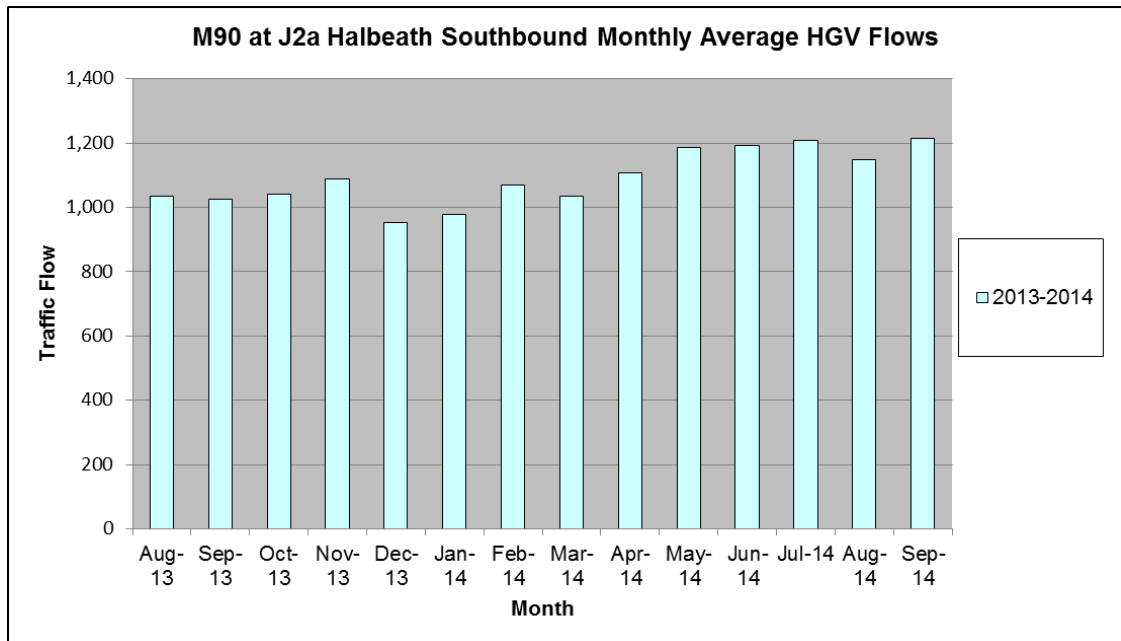


Figure 3-202 Monthly PM Peak Flows on the M90 at J2a Halbeath Southbound

### 3.40.3 Monthly Average HGV Flows

**Table 3-159 Site: NTC01181 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01181	M90 at J2a Halbeath Southbound	Aug-11	No Data
		Aug-13	1,035
		Sep-13	1,026
		Oct-13	1,039
		Nov-13	1,089
		Dec-13	952
		Jan-14	976
		Feb-14	1,068
		Mar-14	1,033
		Apr-14	1,107
		May-14	1,186
		Jun-14	1,192
		Jul-14	1,209
		Aug-14	1,147
		Sep-14	1,213
		<b>Annual Average</b>	<b>1,076</b>

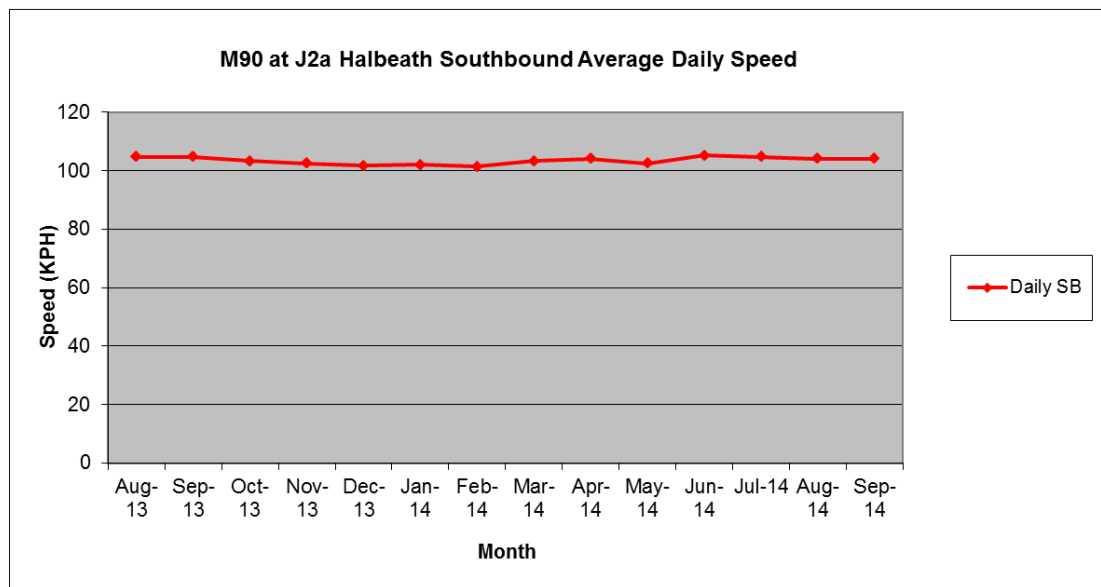


**Figure 3-203 Monthly HGV Traffic Flows on the M90 at J2a Halbeath Southbound**

### 3.40.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-160 Site: NTC01181 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01181	M90 at J2a Halbeath Southbound	Aug-13	105
		Sep-13	105
		Oct-13	103
		Nov-13	102
		Dec-13	102
		Jan-14	102
		Feb-14	101
		Mar-14	103
		Apr-14	104
		May-14	103
		Jun-14	105
		Jul-14	105
		Aug-14	104
		Sep-14	104



**Figure 3-204 Average Monthly Traffic Speeds (KPH) on the M90 at J2a Halbeath Southbound**

### 3.41 Traffic Counter NTC01248 – M9 East of J1a (Lanes to M9 Spur) Westbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are relatively consistent throughout the year however do show some degree of seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.41.1 Monthly Average Traffic Flows

**Table 3-161 Site: NTC01248 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	WB
NTC01248	M9 East of J1a (Lanes to M9 Spur) Westbound	Aug-11	No Data
		Aug-13	19,109
		Sep-13	18,561
		Oct-13	17,992
		Nov-13	17,294
		Dec-13	15,542
		Jan-14	15,652
		Feb-14	16,994
		Mar-14	17,354
		Apr-14	18,062
		May-14	18,190
		Jun-14	18,700
		Jul-14	19,245
		Aug-14	19,014
		Sep-14	19,016
		<b>Annual Average</b>	<b>17,725</b>

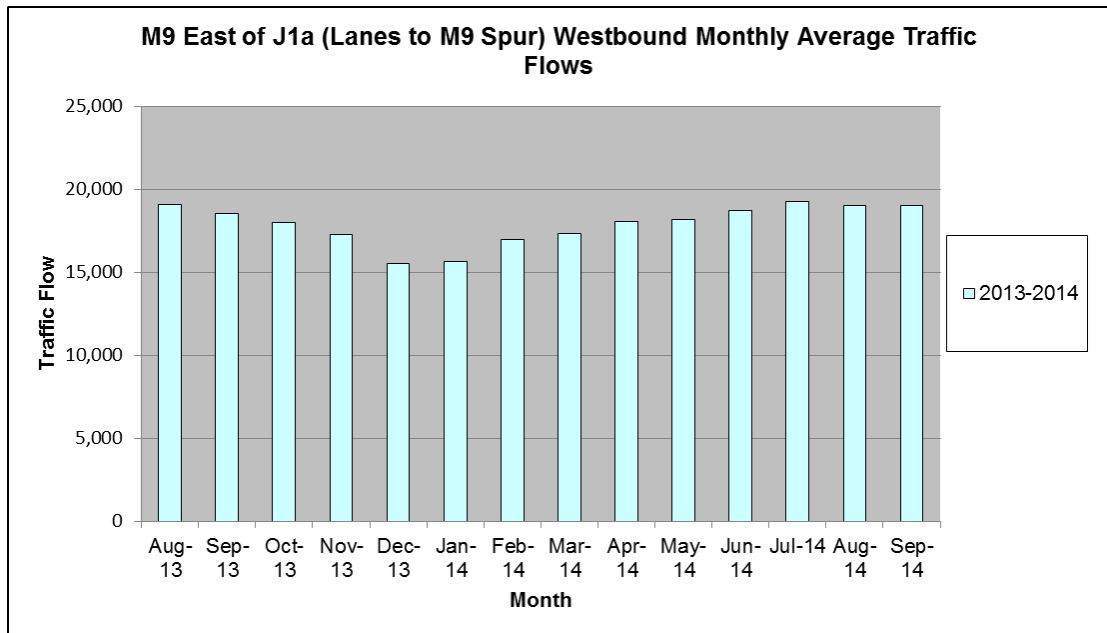


Figure 3-205 Monthly AADTs on the M9 East of J1a (Lanes to M9 Spur) Westbound

### 3.41.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-162 Site: NTC01248 Monthly Westbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01248	M9 East of J1a (Lanes to M9 Spur) Westbound	Aug-11	No Data	No Data
		Aug-13	3,130	4,312
		Sep-13	3,163	4,256
		Oct-13	3,062	4,188
		Nov-13	2,917	4,112
		Dec-13	2,323	3,581
		Jan-14	2,690	3,819
		Feb-14	2,975	4,080
		Mar-14	2,986	4,110
		Apr-14	3,069	4,015
		May-14	3,119	4,121
		Jun-14	3,163	4,116
		Jul-14	3,226	4,092
		Aug-14	3,166	4,094
Sep-14	3,365	4,144		
	<b>Annual Average</b>	<b>2,985</b>	<b>4,067</b>	



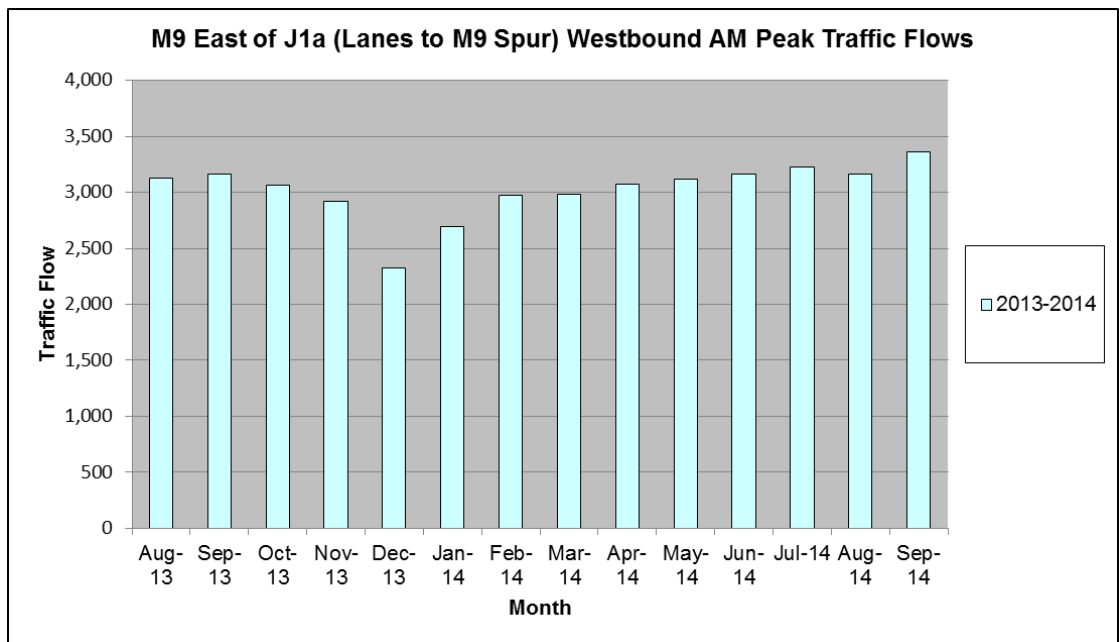


Figure 3-206 Monthly AM Peak Flows on the M9 East of J1a (Lanes to M9 Spur) Westbound

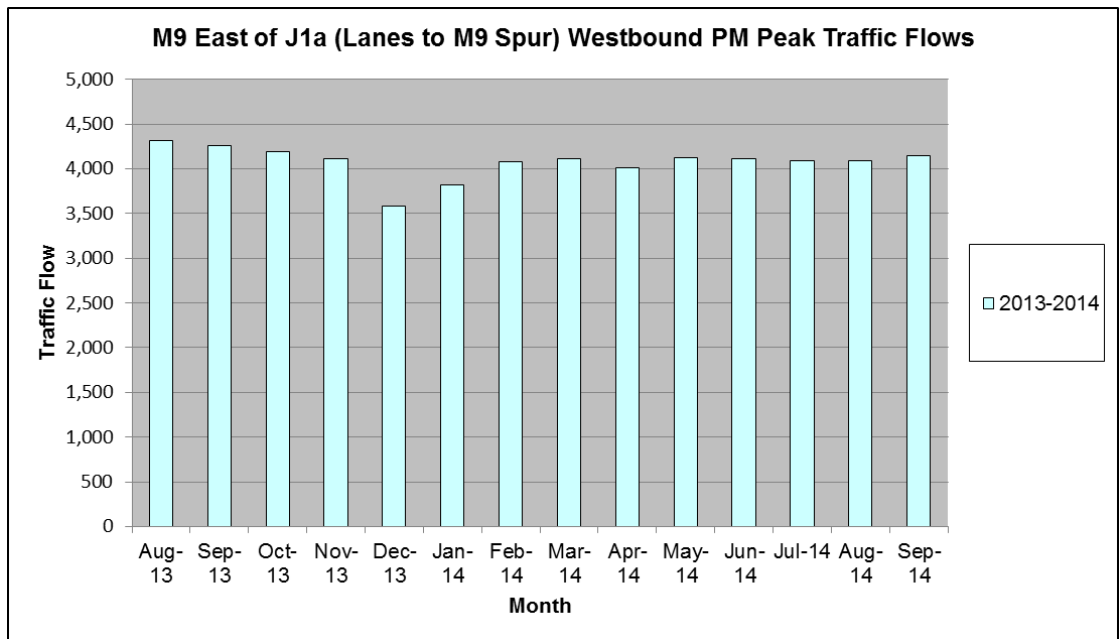
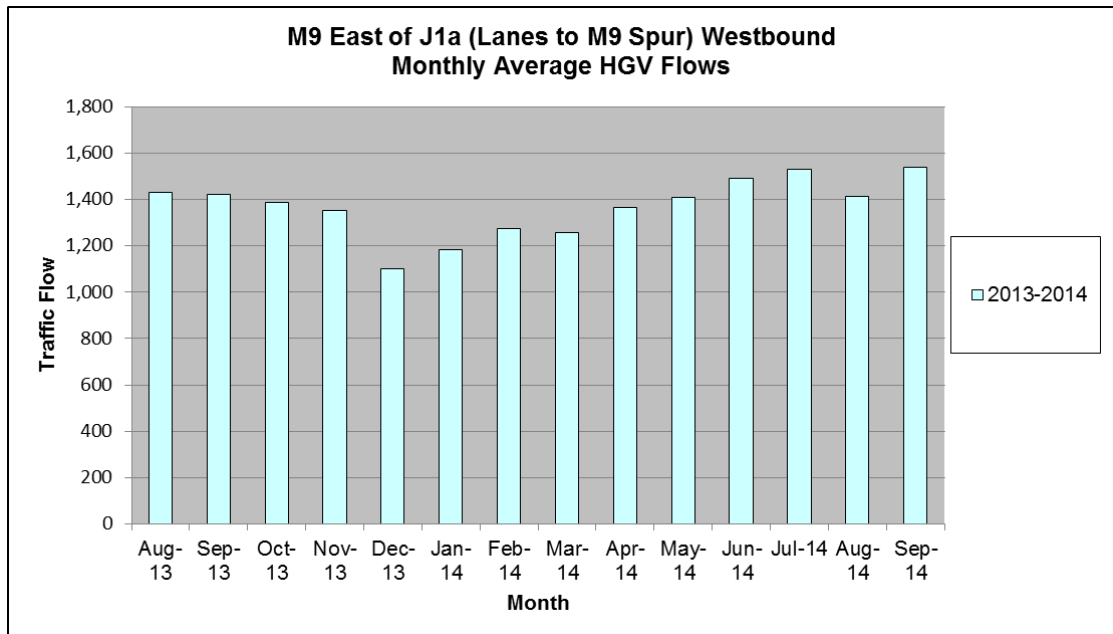


Figure 3-207 Monthly PM Peak Flows on the M9 East of J1a (Lanes to M9 Spur) Westbound

### 3.41.3 Monthly Average HGV Flows

**Table 3-163 Site: NTC01248 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	WB
NTC01248	M9 East of J1a (Lanes to M9 Spur) Westbound	Aug-11	No Data
		Aug-13	1,432
		Sep-13	1,421
		Oct-13	1,387
		Nov-13	1,355
		Dec-13	1,103
		Jan-14	1,184
		Feb-14	1,275
		Mar-14	1,257
		Apr-14	1,367
		May-14	1,408
		Jun-14	1,492
		Jul-14	1,531
		Aug-14	1,412
		Sep-14	1,539
		<b>Annual Average</b>	<b>1,351</b>

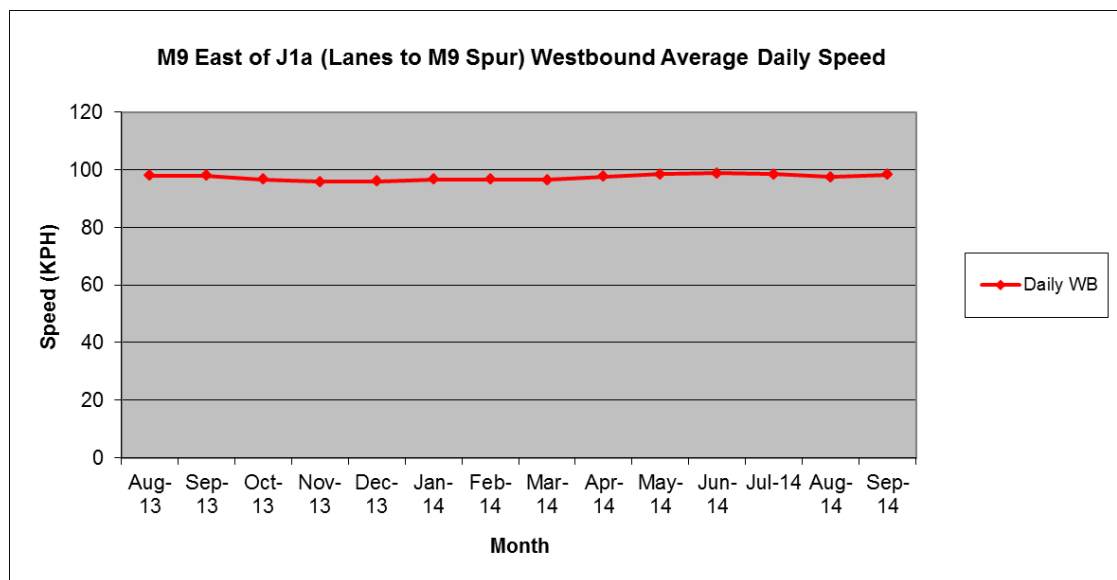


**Figure 3-208 Monthly HGV Traffic Flows on the M9 East of J1a (Lanes to M9 Spur) Westbound**

### 3.41.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-164 Site: NTC01248 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	WB
NTC01248	M9 East of J1a (Lanes to M9 Spur) Westbound	Aug-13	98
		Sep-13	98
		Oct-13	97
		Nov-13	96
		Dec-13	96
		Jan-14	97
		Feb-14	97
		Mar-14	96
		Apr-14	98
		May-14	98
		Jun-14	99
		Jul-14	98
		Aug-14	97
		Sep-14	98



**Figure 3-209 Average Monthly Traffic Speeds (KPH) on the M9 East of J1a (Lanes to M9 Spur) Westbound**

### 3.42 Traffic Counter NTC01249 – M9 East of J1a (Main Carriageway) Westbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are relatively consistent throughout the year however do show some degree of seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.42.1 Monthly Average Traffic Flows

**Table 3-165 Site: NTC01249 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	WB
NTC01249	M9 East of J1a (Main Carriageway) Westbound	Aug-11	No Data
		Aug-13	13,053
		Sep-13	12,846
		Oct-13	12,736
		Nov-13	12,308
		Dec-13	10,934
		Jan-14	11,255
		Feb-14	12,201
		Mar-14	12,497
		Apr-14	12,516
		May-14	12,861
		Jun-14	13,079
		Jul-14	12,794
		Aug-14	13,269
		Sep-14	13,385
		<b>Annual Average</b>	<b>12,423</b>

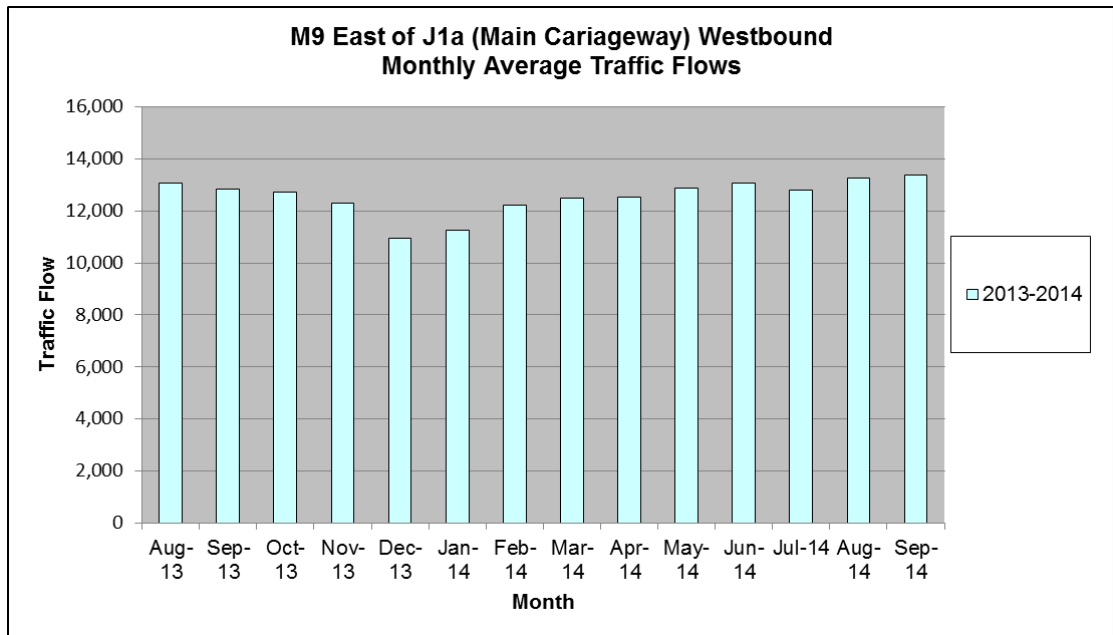


Figure 3-210 Monthly AADTs on the M9 East of J1a (Main Carriageway) Westbound

### 3.42.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-166 Site: NTC01249 Monthly Westbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01249	M9 East of J1a (Main Carriageway) Westbound	Aug-11	No Data	No Data
		Aug-13	1,870	3,846
		Sep-13	1,906	3,882
		Oct-13	1,877	3,948
		Nov-13	1,776	3,835
		Dec-13	1,477	3,113
		Jan-14	1,640	3,631
		Feb-14	1,800	3,859
		Mar-14	1,858	3,845
		Apr-14	1,800	3,747
		May-14	1,893	3,789
		Jun-14	1,932	3,844
		Jul-14	1,830	3,673
		Aug-14	1,848	3,860
		Sep-14	2,023	4,018
		<b>Annual Average</b>	<b>1,805</b>	<b>3,751</b>

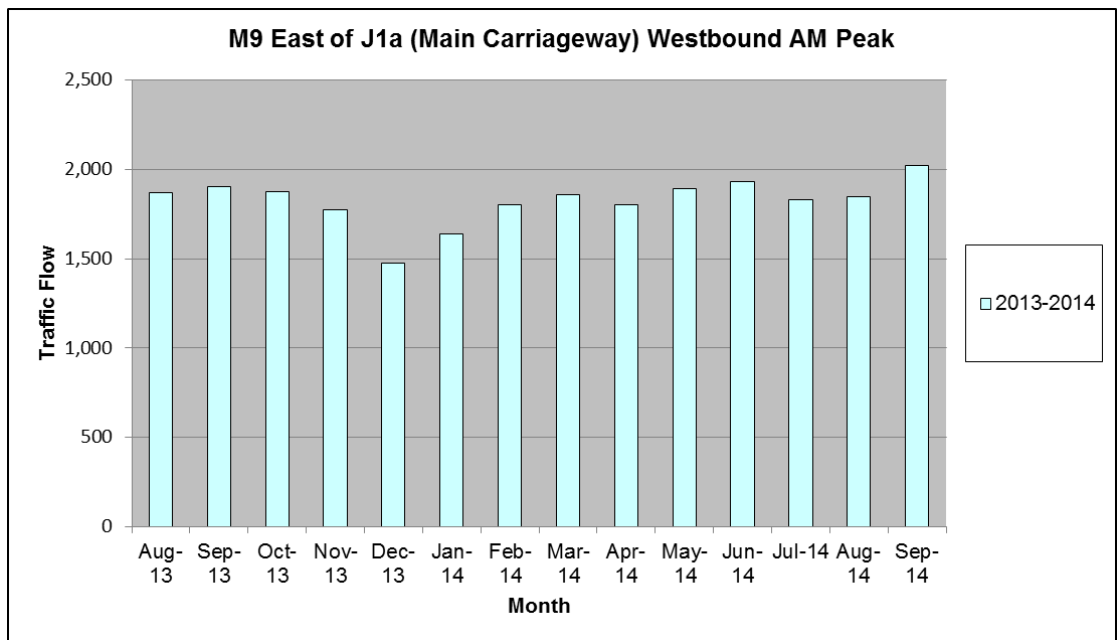


Figure 3-211 Monthly AM Peak Flows on the M9 East of J1a (Main Carriageway) Westbound

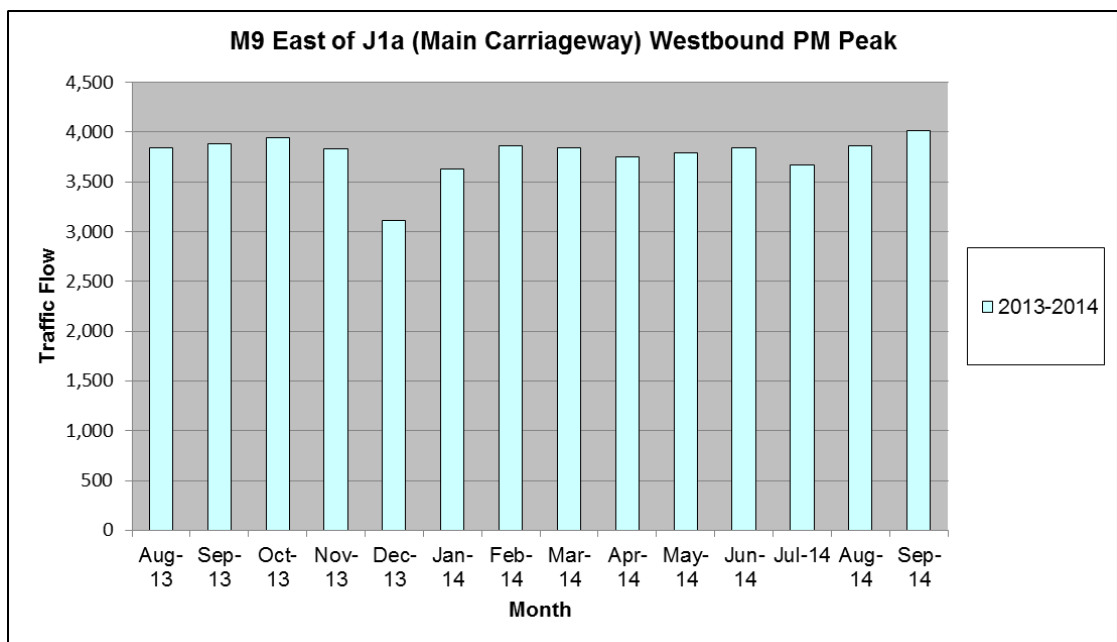


Figure 3-212 Monthly PM Peak Flows on the M9 East of J1a (Main Carriageway) Westbound

### 3.42.3 Monthly Average HGV Flows

Table 3-167 Site: NTC01249 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	WB
NTC01249	M9 East of J1a (Main Carriageway) Westbound	Aug-11	No Data
		Aug-13	610
		Sep-13	612
		Oct-13	608
		Nov-13	549
		Dec-13	537
		Jan-14	507
		Feb-14	554
		Mar-14	588
		Apr-14	588
		May-14	583
		Jun-14	606
		Jul-14	611
		Aug-14	593
		Sep-14	631
		<b>Annual Average</b>	<b>579</b>

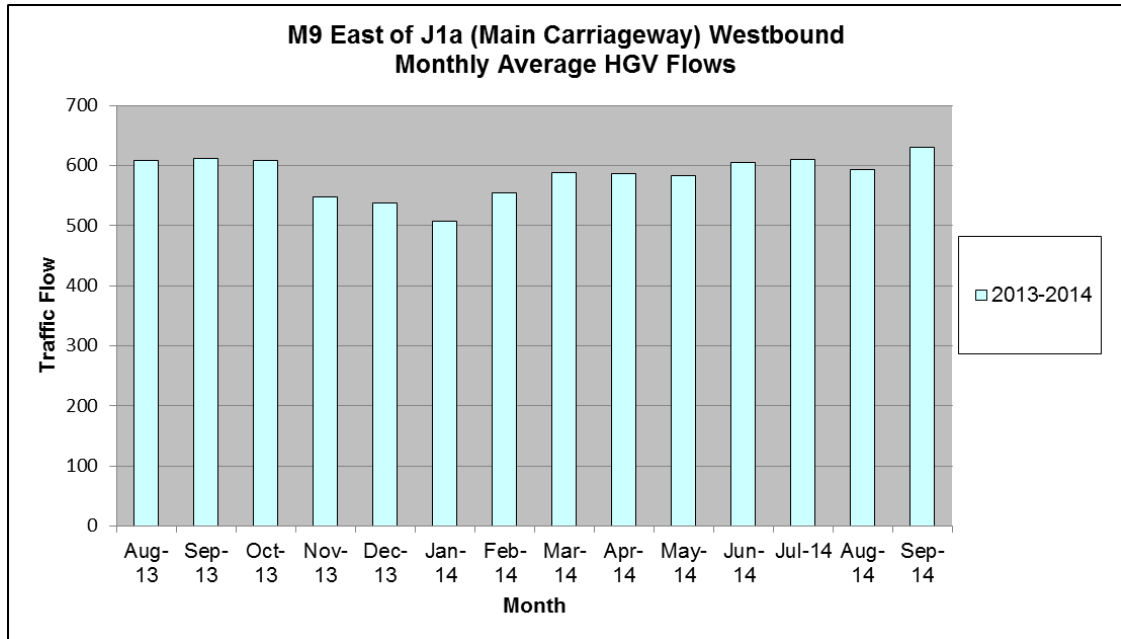
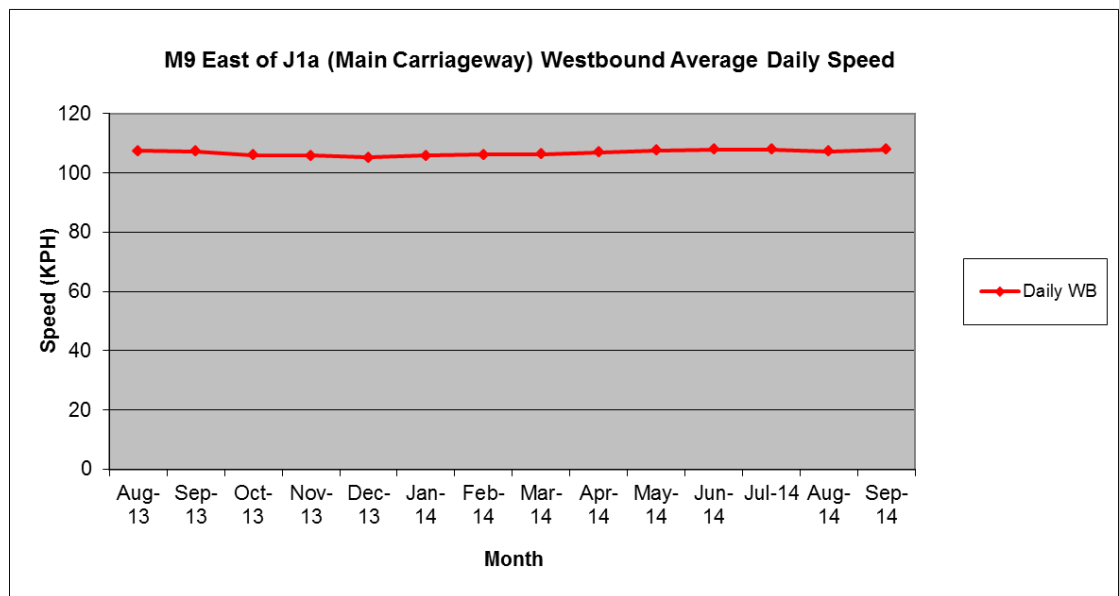


Figure 3-213 Monthly HGV Traffic Flows on the M9 East of J1a (Main Carriageway) Westbound

### 3.42.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-168 Site: NTC01249 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	WB
NTC01249	M9 East of J1a (Main Carriageway) Westbound	Aug-13	107
		Sep-13	107
		Oct-13	106
		Nov-13	106
		Dec-13	105
		Jan-14	106
		Feb-14	106
		Mar-14	106
		Apr-14	107
		May-14	108
		Jun-14	108
		Jul-14	108
		Aug-14	107
		Sep-14	108



**Figure 3-214 Average Monthly Traffic Speeds (KPH) on the M9 East of J1a (Main Carriageway) Westbound**



### 3.43 Traffic Counter NTC01250 – M9 East of J1a (Main Carriageway) Eastbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are relatively consistent throughout the year however do show some degree of seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.43.1 Monthly Average Traffic Flows

**Table 3-169 Site: NTC01250 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01250	M9 East of J1a (Main Carriageway) Eastbound	Aug-11	No Data
		Aug-13	15,772
		Sep-13	18,702
		Oct-13	18,545
		Nov-13	17,730
		Dec-13	15,477
		Jan-14	15,946
		Feb-14	17,272
		Mar-14	17,433
		Apr-14	17,499
		May-14	18,028
		Jun-14	18,112
		Jul-14	18,204
		Aug-14	18,678
		Sep-14	18,546
		<b>Annual Average</b>	<b>17,393</b>

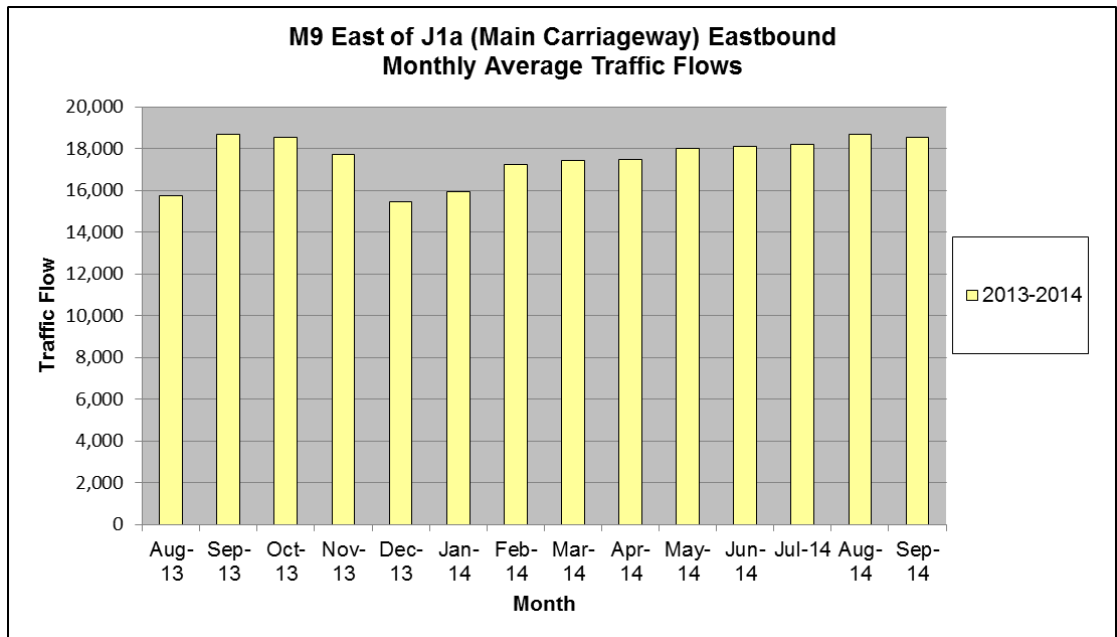


Figure 3-215 Monthly AADTs on the M9 East of J1a (Main) Eastbound

### 3.43.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-170 Site: NTC01250 Monthly Eastbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01250	M9 East of J1a (Main Carriageway) Eastbound	Aug-11	No Data	No Data
		Aug-13	3,369	3,255
		Sep-13	4,317	3,774
		Oct-13	4,290	3,661
		Nov-13	4,322	3,374
		Dec-13	3,383	2,801
		Jan-14	3,885	3,037
		Feb-14	4,226	3,290
		Mar-14	4,125	3,391
		Apr-14	3,884	3,464
		May-14	4,061	3,539
		Jun-14	4,152	3,503
		Jul-14	3,904	3,637
		Aug-14	3,876	3,683
		Sep-14	4,294	3,680
		<b>Annual Average</b>	<b>3,993</b>	<b>3,394</b>

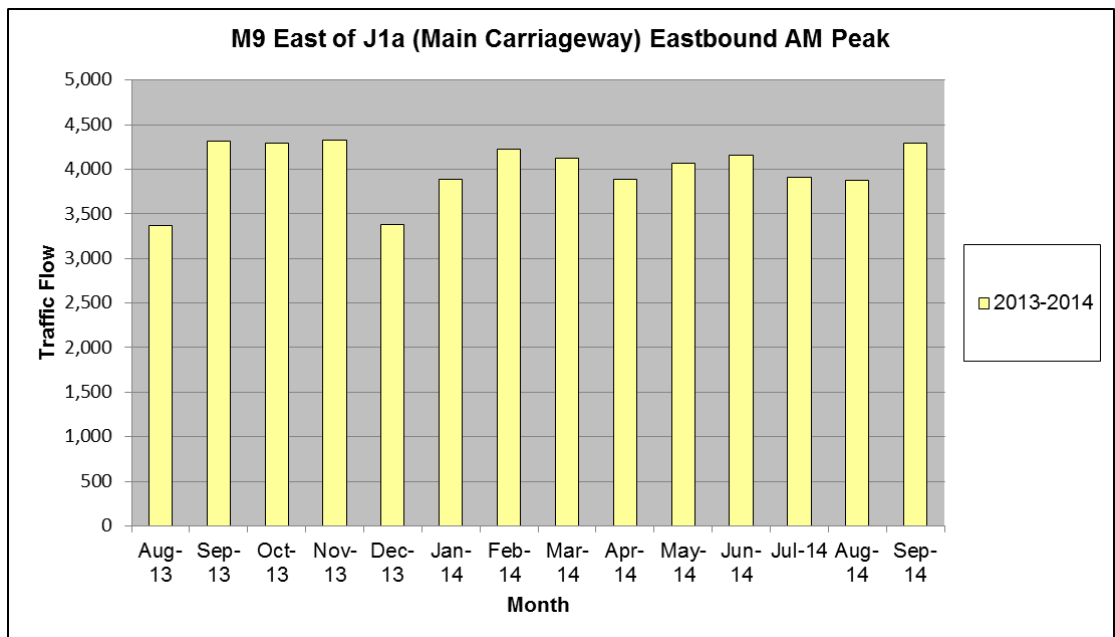


Figure 3-216 Monthly AM Peak Flows on the M9 East of J1a (Main Carriageway) Eastbound

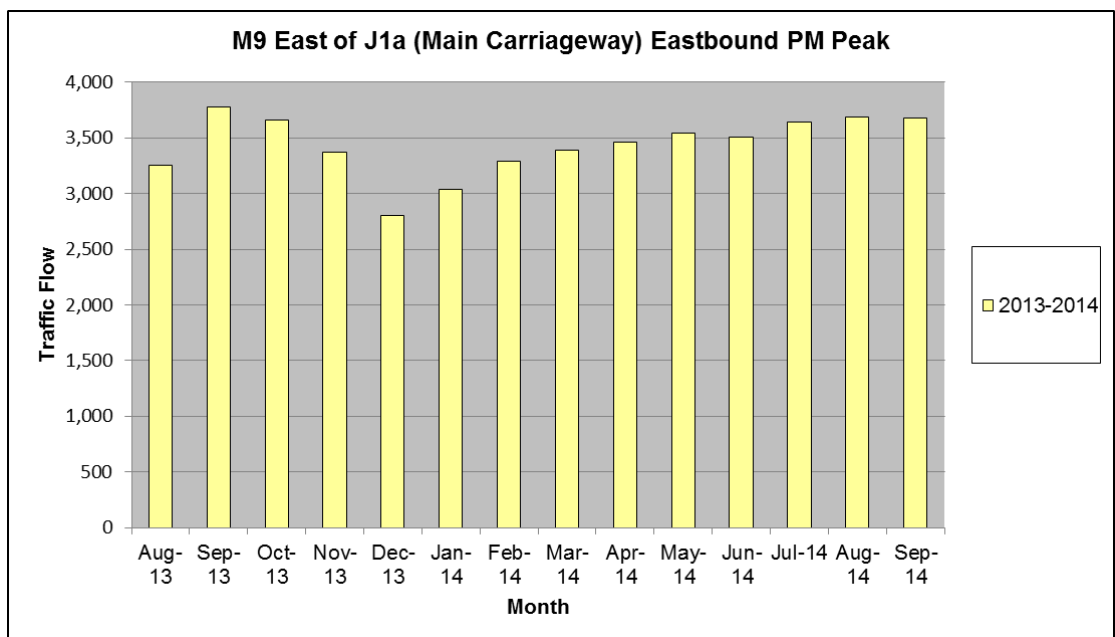


Figure 3-217 Monthly PM Peak Flows on the M9 East of J1a (Main Carriageway) Eastbound

### 3.43.3 Monthly Average HGV Flows

Table 3-171 Site: NTC01250 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB
NTC01250	M9 East of J1a (Main Carriageway) Eastbound	Aug-11	No Data
		Aug-13	996
		Sep-13	1,341
		Oct-13	1,330
		Nov-13	1,374
		Dec-13	1,132
		Jan-14	1,194
		Feb-14	1,274
		Mar-14	1,266
		Apr-14	1,304
		May-14	1,340
		Jun-14	1,366
		Jul-14	1,406
		Aug-14	1,349
		Sep-14	1,433
		<b>Annual Average</b>	<b>1,277</b>

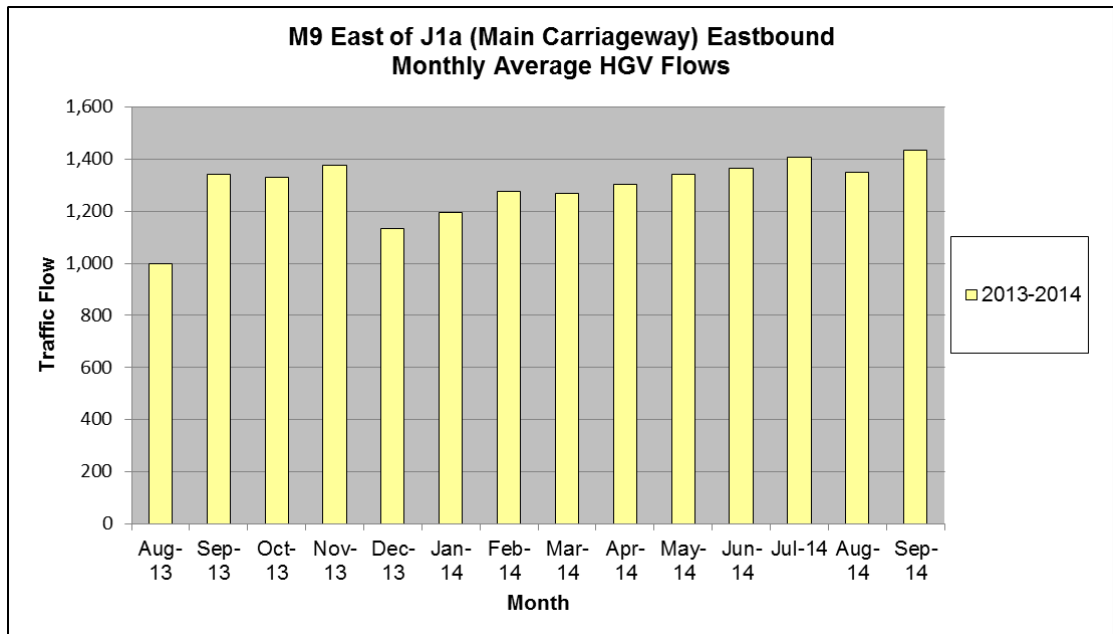
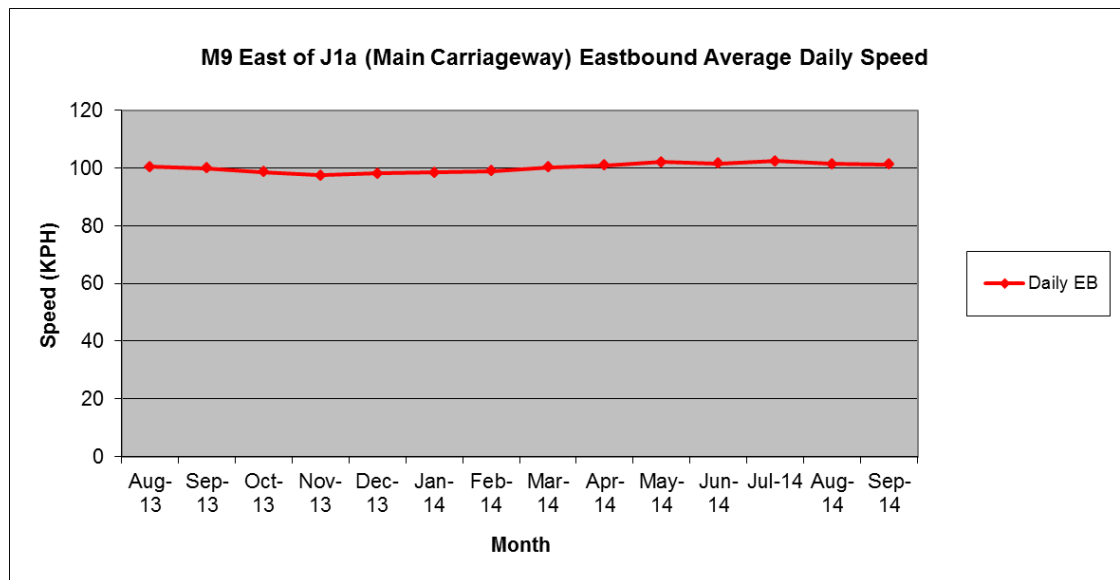


Figure 3-218 Monthly HGV Traffic Flows on the M9 East of J1a (Main Carriageway) Eastbound

### 3.43.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-172 Site: NTC01250 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01250	M9 East of J1a (Main Carriageway) Eastbound	Aug-13	100
		Sep-13	100
		Oct-13	99
		Nov-13	97
		Dec-13	98
		Jan-14	98
		Feb-14	99
		Mar-14	100
		Apr-14	101
		May-14	102
		Jun-14	102
		Jul-14	102
		Aug-14	101
		Sep-14	101



**Figure 3-219 Average Monthly Traffic Speeds (KPH) on the M9 East of J1a (Main Carriageway) Eastbound**

### 3.44 Traffic Counter NTC01251 – M9 East of J1a (Lanes to Newbridge) Eastbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are relatively consistent throughout the year however do show some degree of seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic, however there is an unseasonable increase in November 2013.

#### 3.44.1 Monthly Average Traffic Flows

**Table 3-173 Site: NTC01251 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01251	M9 East of J1a (Lanes to Newbridge) Eastbound	Aug-11	No Data
		Aug-13	13,474
		Sep-13	13,236
		Oct-13	12,747
		Nov-13	12,582
		Dec-13	11,269
		Jan-14	11,273
		Feb-14	12,252
		Mar-14	12,483
		Apr-14	13,026
		May-14	13,476
		Jun-14	13,955
		Jul-14	13,984
		Aug-14	14,086
		Sep-14	14,047
		<b>Annual Average</b>	<b>12,813</b>

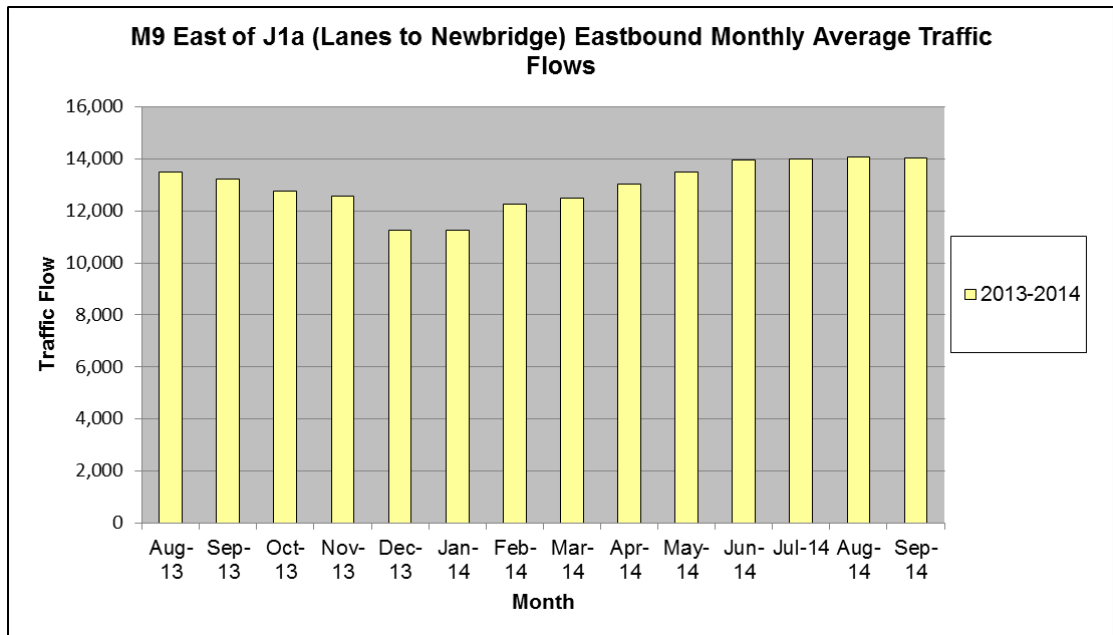


Figure 3-220 Monthly AADTs on the M9 East of J1a (Lanes to Newbridge) Eastbound

### 3.44.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-174 Site: NTC01251 Monthly Eastbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01251	M9 East of J1a (Lanes to Newbridge) Eastbound	Aug-11	No Data	No Data
		Aug-13	3,115	2,344
		Sep-13	3,239	2,319
		Oct-13	3,138	2,232
		Nov-13	3,256	2,256
		Dec-13	2,669	1,916
		Jan-14	2,984	1,975
		Feb-14	3,204	2,184
		Mar-14	3,205	2,223
		Apr-14	3,131	2,338
		May-14	3,248	2,383
		Jun-14	3,295	2,398
		Jul-14	3,285	2,423
		Aug-14	3,222	2,494
Sep-14	3,370	2,508		
	<b>Annual Average</b>	<b>3,147</b>	<b>2,249</b>	

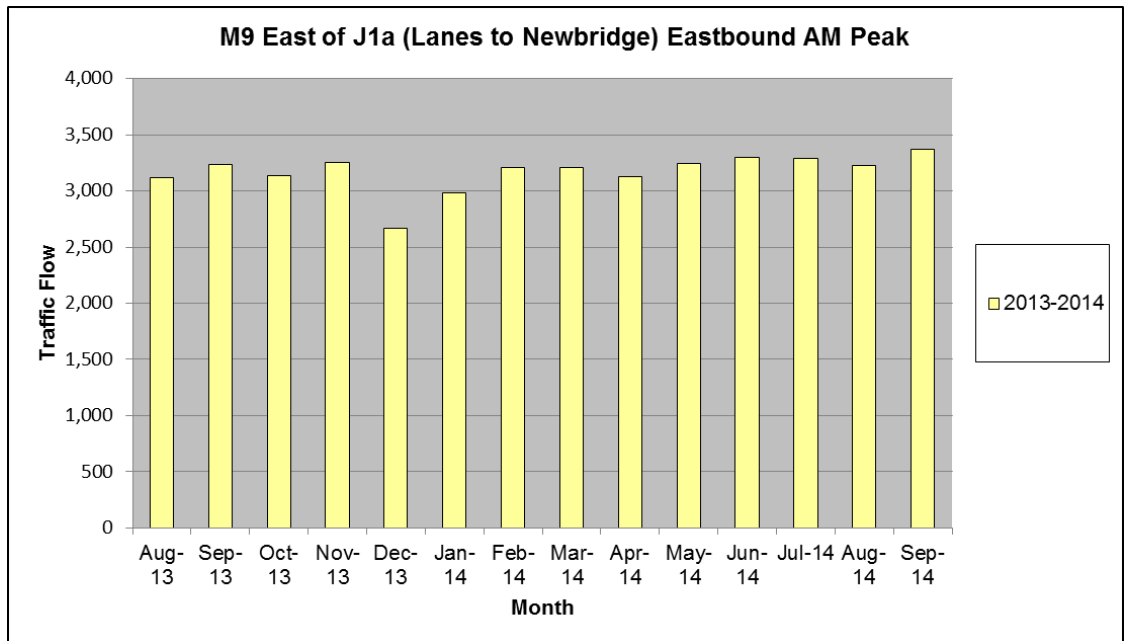


Figure 3-221 Monthly AM Peak Flows on the M9 East of J1a (Lanes to Newbridge) Eastbound

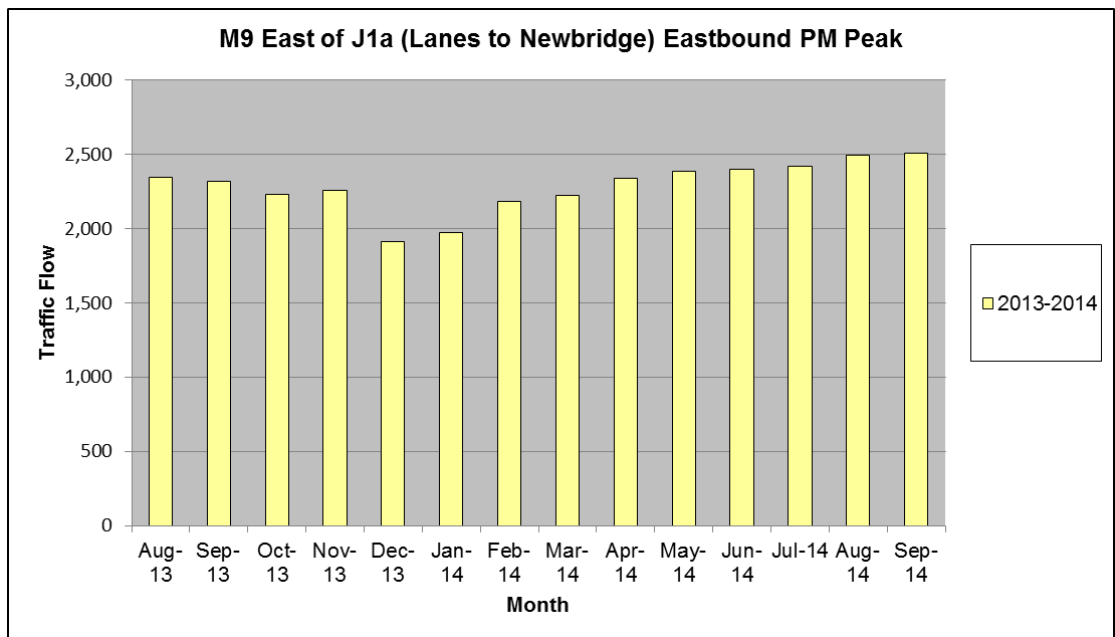


Figure 3-222 Monthly AM Peak Flows on the M9 East of J1a (Lanes to Newbridge) Eastbound



### 3.44.3 Monthly Average HGV Flows

Table 3-175 Site: NTC01251 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB
NTC01251	M9 East of J1a (Lanes to Newbridge) Eastbound	Aug-11	No Data
		Aug-13	493
		Sep-13	498
		Oct-13	465
		Nov-13	567
		Dec-13	460
		Jan-14	466
		Feb-14	509
		Mar-14	506
		Apr-14	558
		May-14	540
		Jun-14	633
		Jul-14	586
		Aug-14	568
		Sep-14	601
		<b>Annual Average</b>	<b>523</b>

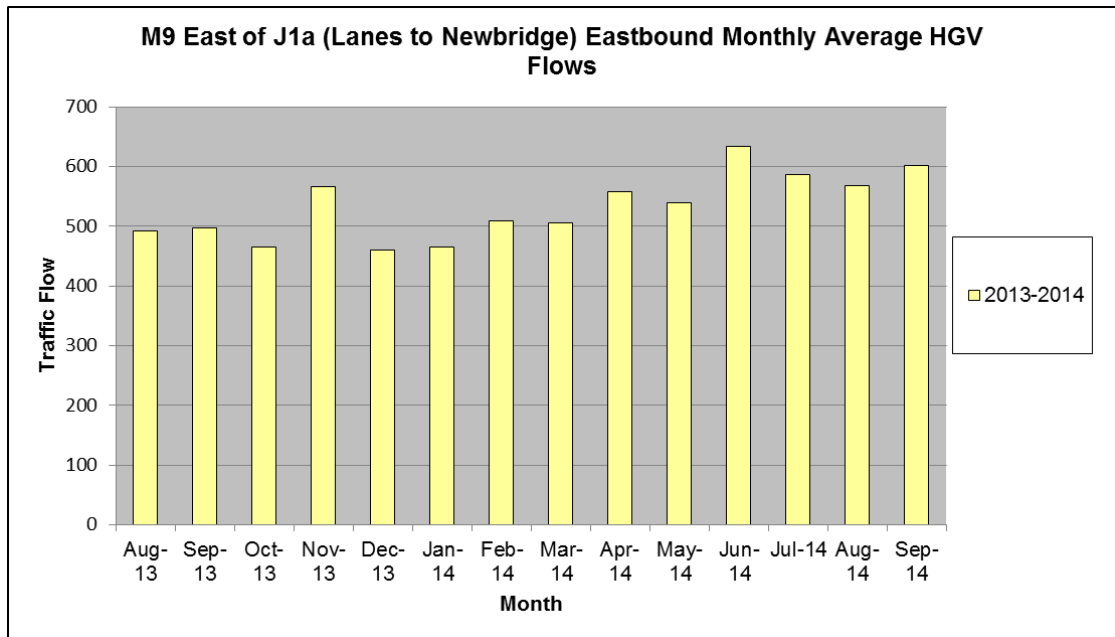
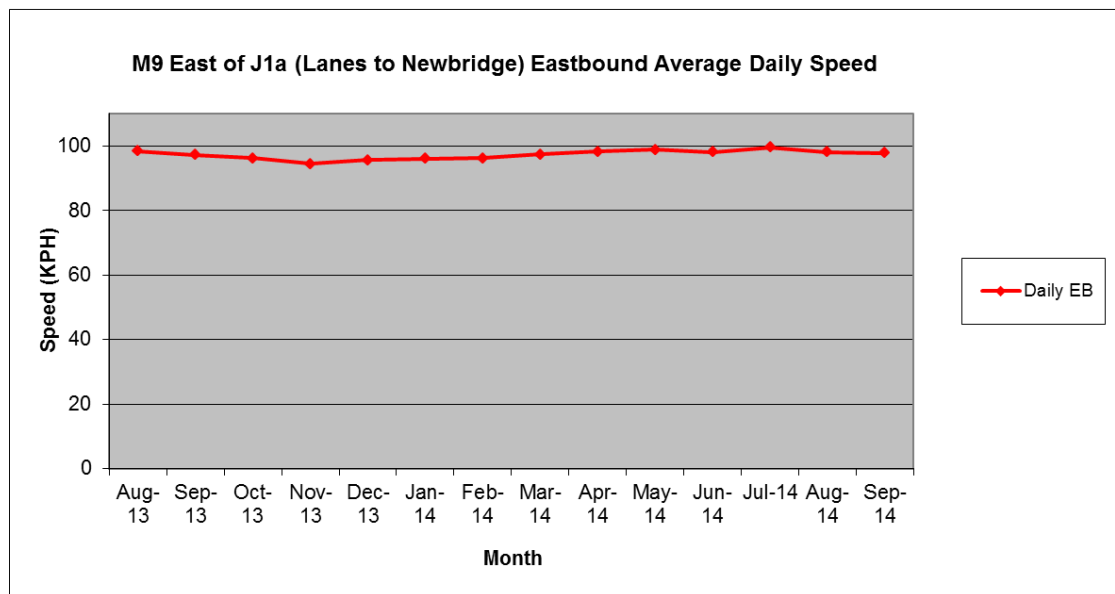


Figure 3-223 Monthly HGV Traffic Flows on the M9 East of J1a (Lanes to Newbridge) Eastbound

### 3.44.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-176 Site: NTC01251 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB
NTC01251	M9 East of J1a (Lanes to Newbridge) Eastbound	Aug-13	98
		Sep-13	97
		Oct-13	96
		Nov-13	94
		Dec-13	96
		Jan-14	96
		Feb-14	96
		Mar-14	97
		Apr-14	98
		May-14	99
		Jun-14	98
		Jul-14	100
		Aug-14	98
		Sep-14	98



**Figure 3-224 Average Monthly Traffic Speeds (KPH) on the M9 East of J1a (Lanes to Newbridge) Eastbound**

### 3.45 Traffic Counter NTC01173 – M90 South of J2a Halbeath Southbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are relatively consistent throughout the year however do show some degree of seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.45.1 Monthly Average Traffic Flows

**Table 3-177 Site: NTC01173 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01173	M90 South of J2a Halbeath Southbound	Aug-11	No Data
		Aug-13	30,306
		Sep-13	28,764
		Oct-13	28,488
		Nov-13	28,310
		Dec-13	25,251
		Jan-14	25,504
		Feb-14	27,424
		Mar-14	27,937
		Apr-14	28,822
		May-14	28,855
		Jun-14	29,588
		Jul-14	29,640
		Aug-14	30,456
		Sep-14	29,929
		<b>Annual Average</b>	<b>28,241</b>

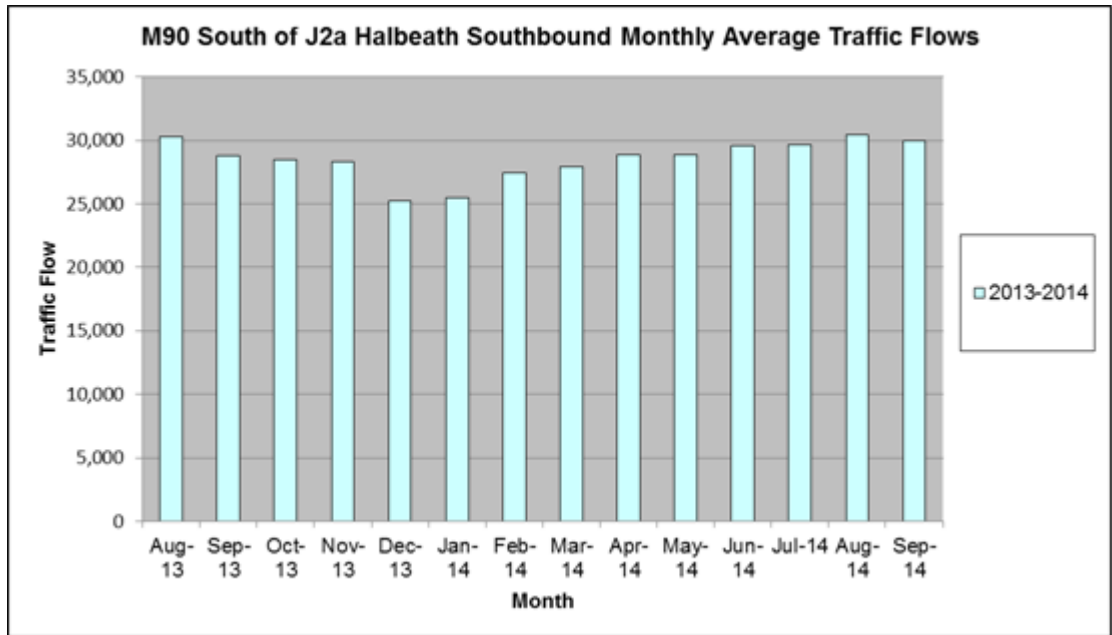


Figure 3-225 Monthly AADTs on the M90 South of J2a Halbeath Southbound

### 3.45.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-178 Site: NTC01173 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01173	M90 South of J2a Halbeath Southbound	Aug-11	No Data	No Data
		Aug-13	5,563	6,476
		Sep-13	5,464	6,276
		Oct-13	5,503	6,192
		Nov-13	5,657	6,177
		Dec-13	4,498	5,221
		Jan-14	5,077	5,484
		Feb-14	5,476	5,910
		Mar-14	5,349	6,108
		Apr-14	5,418	6,281
		May-14	5,424	6,108
		Jun-14	5,612	6,165
		Jul-14	5,415	6,118
		Aug-14	5,387	6,449
		Sep-14	5,745	6,469
	<b>Annual Average</b>	<b>5,371</b>	<b>6,043</b>	

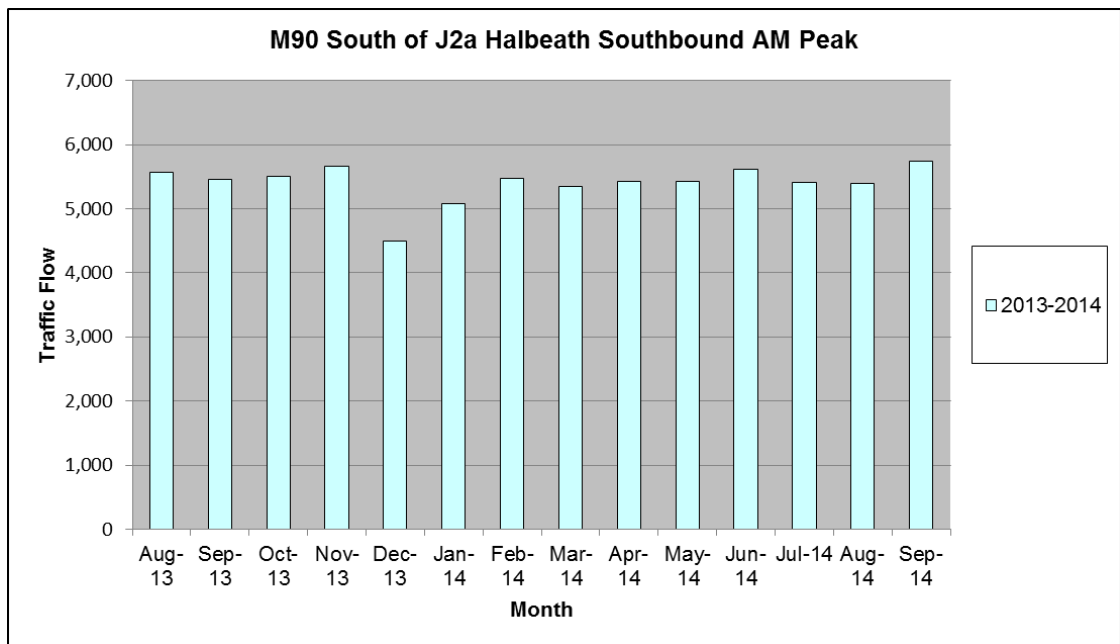


Figure 3-226 Monthly AM Peak Flows on the M90 South of J2a Halbeath Southbound

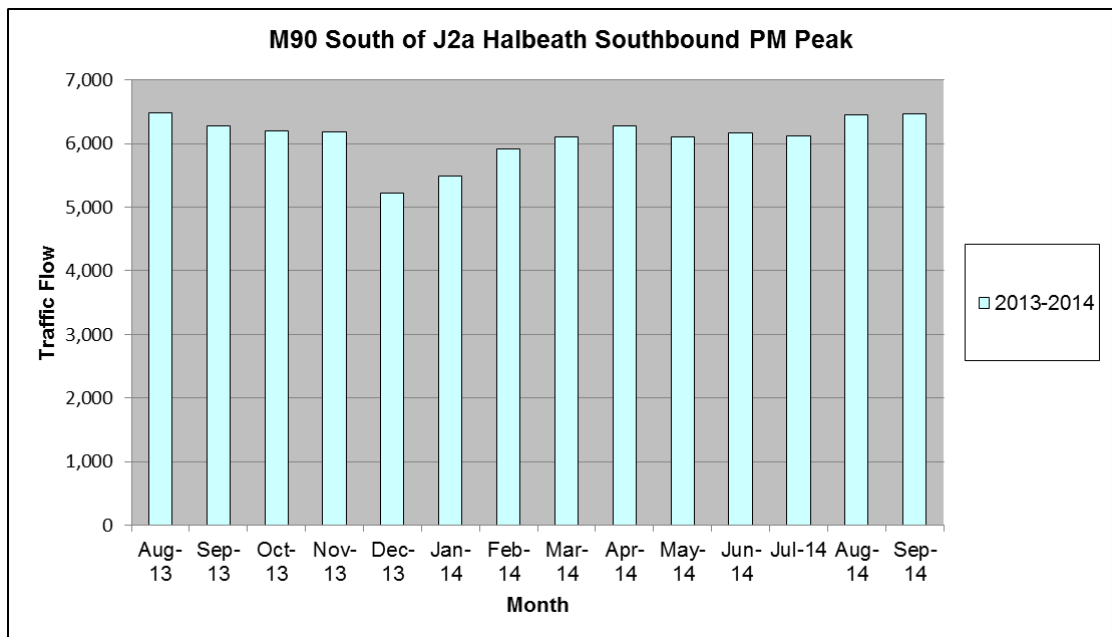
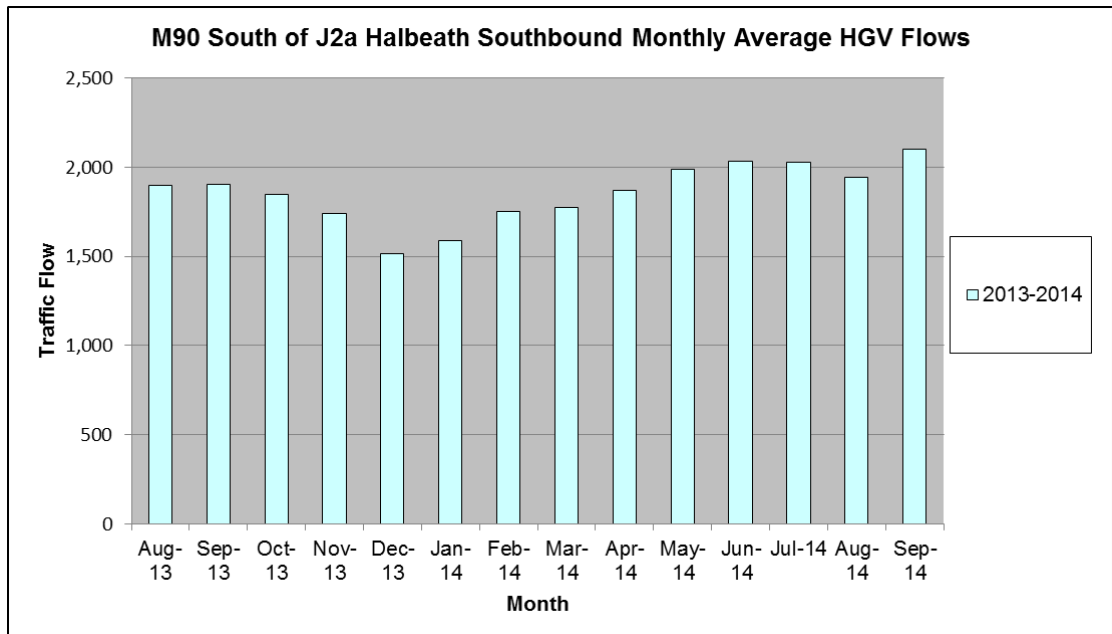


Figure 3-227 Monthly PM Peak Flows on the M90 South of J2a Halbeath Southbound

### 3.45.3 Monthly Average HGV Flows

**Table 3-179 Site: NTC01173 Annual HGV Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01173	M90 South of J2a Halbeath Southbound	Aug-11	No Data
		Aug-13	1,900
		Sep-13	1,903
		Oct-13	1,849
		Nov-13	1,739
		Dec-13	1,514
		Jan-14	1,589
		Feb-14	1,751
		Mar-14	1,773
		Apr-14	1,870
		May-14	1,990
		Jun-14	2,031
		Jul-14	2,025
		Aug-14	1,944
		Sep-14	2,101
		<b>Annual Average</b>	<b>1,828</b>

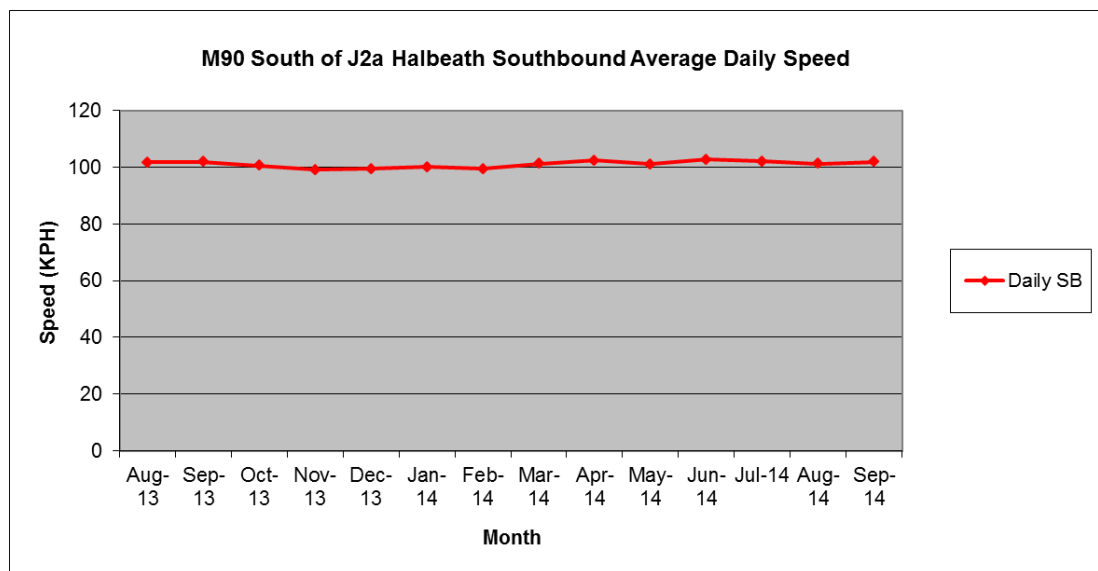


**Figure 3-228 Monthly HGV Traffic Flows on the M90 South of J2a Halbeath Southbound**

### 3.45.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-180 Site: NTC01173 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	SB
NTC01173	M90 South of J2a Halbeath Southbound	Aug-13	102
		Sep-13	102
		Oct-13	101
		Nov-13	99
		Dec-13	99
		Jan-14	100
		Feb-14	99
		Mar-14	101
		Apr-14	102
		May-14	101
		Jun-14	103
		Jul-14	102
		Aug-14	101
		Sep-14	102



**Figure 3-229 Average Monthly Traffic Speeds (KPH) on the M90 South of J2a Halbeath Southbound**

### 3.46 Traffic Counter NTC01174 – M90 South of J2a Halbeath Northbound

Summary of statistics between August 2013 and September 2014:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.
- Traffic flows are relatively consistent throughout the year however do show some degree of seasonal variation; with lower flows in December and January and higher flows in the summer months.
- HGV flows peak in the winter months.
- HGV flows reduce considerably in March 2014, and then reduce again in April 2014, where they then remain at a consistent level.

#### 3.46.1 Monthly Average Traffic Flows

**Table 3-181 Site: NTC01174 Annual Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01174	M90 South of J2a Halbeath Northbound	Aug-11	No Data
		Aug-13	27,702
		Sep-13	26,259
		Oct-13	26,535
		Nov-13	26,064
		Dec-13	23,717
		Jan-14	23,623
		Feb-14	25,673
		Mar-14	25,581
		Apr-14	27,570
		May-14	28,168
		Jun-14	28,566
		Jul-14	28,383
		Aug-14	29,247
		Sep-14	29,064
		<b>Annual Average</b>	<b>26,487</b>



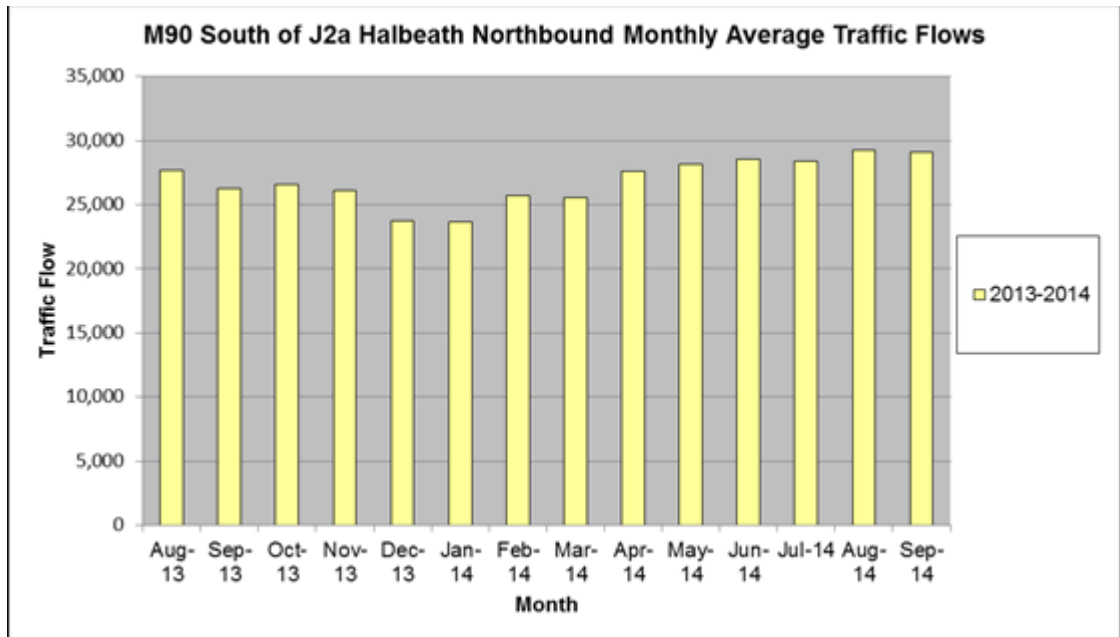


Figure 3-230 Monthly AADTs on the M90 South of J2a Halbeath Northbound

### 3.46.2 Monthly Average AM and PM Peak Traffic Flows

Table 3-182 Site: NTC01174 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
NTC01174	M90 South of J2a Halbeath Northbound	Aug-11	No Data	No Data
		Aug-13	4,841	6,586
		Sep-13	4,836	6,372
		Oct-13	4,784	6,651
		Nov-13	4,889	6,662
		Dec-13	3,895	5,672
		Jan-14	4,389	6,036
		Feb-14	4,842	6,555
		Mar-14	4,618	6,321
		Apr-14	4,967	6,602
		May-14	5,105	6,736
		Jun-14	5,016	6,850
		Jul-14	4,826	6,667
		Aug-14	4,921	6,853
Sep-14	5,403	7,039		
	<b>Annual Average</b>	<b>4,751</b>	<b>6,476</b>	

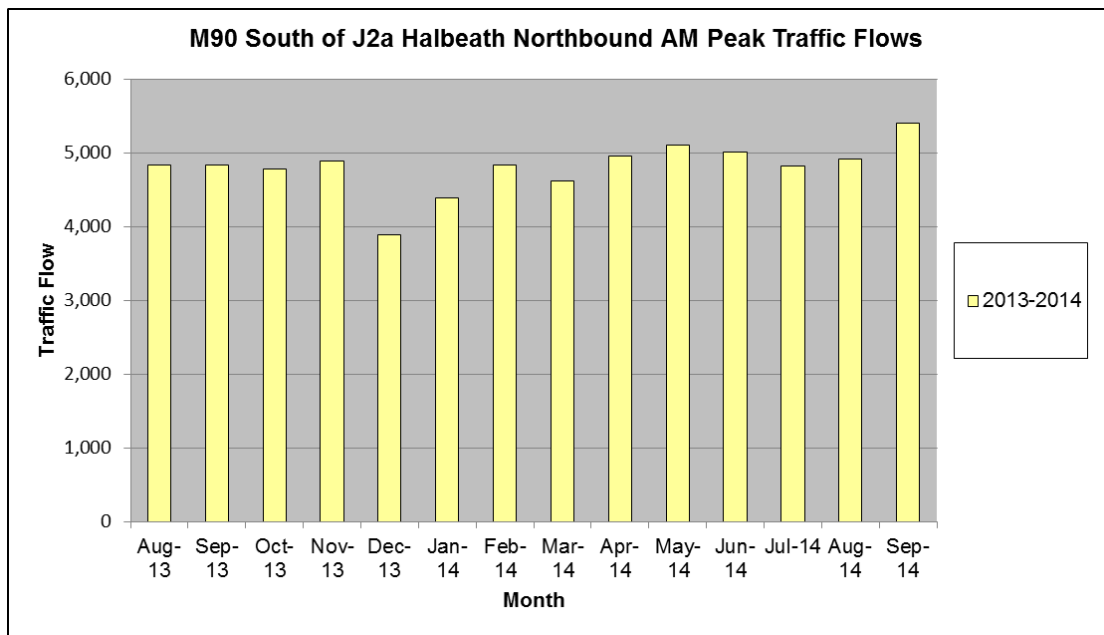


Figure 3-231 Monthly AM Peak Flows on the M90 South of J2a Halbeath Northbound

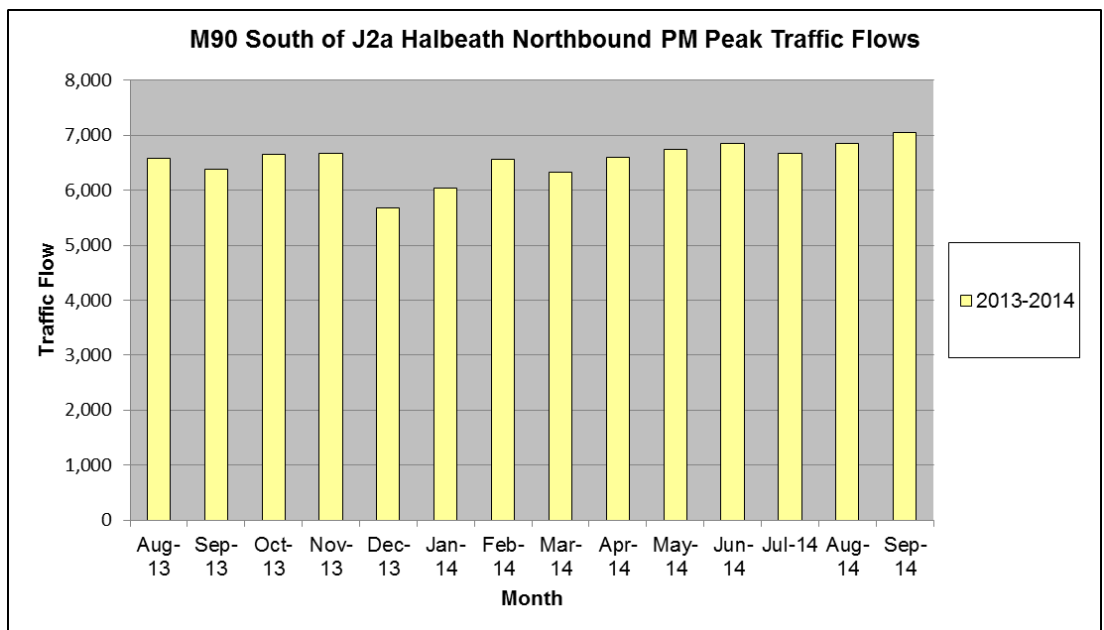


Figure 3-232 Monthly PM Peak Flows on the M90 South of J2a Halbeath Northbound

### 3.46.3 Monthly Average HGV Flows

Table 3-183 Site: NTC01174 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
NTC01174	M90 South of J2a Halbeath Northbound	Aug-11	No Data
		Aug-13	5,997
		Sep-13	6,474
		Oct-13	8,315
		Nov-13	9,434
		Dec-13	9,167
		Jan-14	9,374
		Feb-14	9,529
		Mar-14	6,665
		Apr-14	3,216
		May-14	3,424
		Jun-14	3,395
		Jul-14	3,605
		Aug-14	3,779
		Sep-14	3,750
		<b>Annual Average</b>	<b>6,550</b>

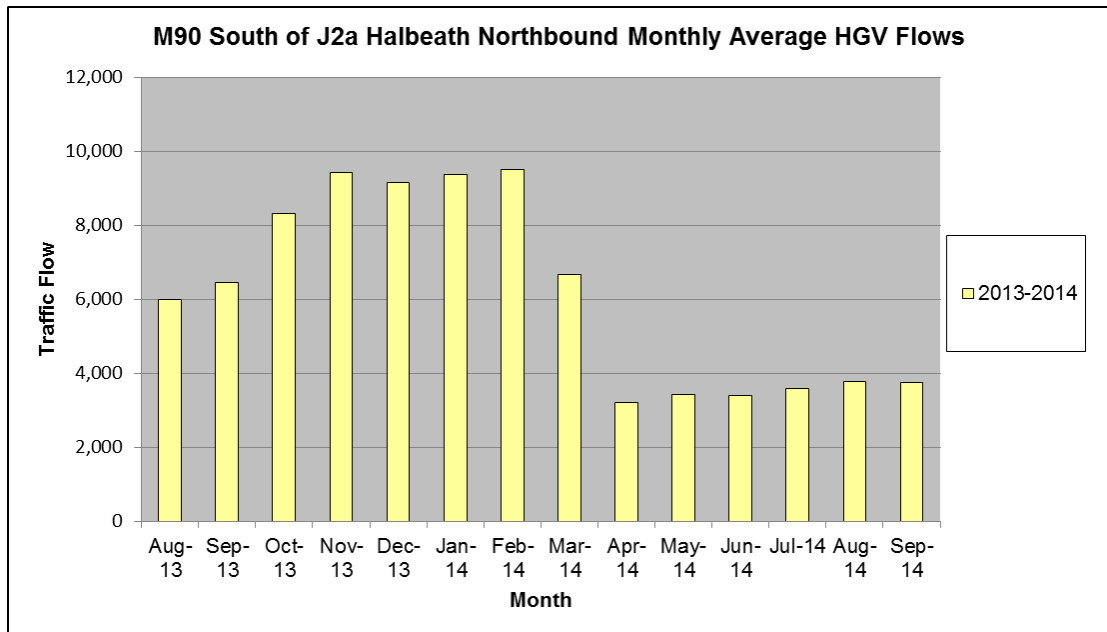
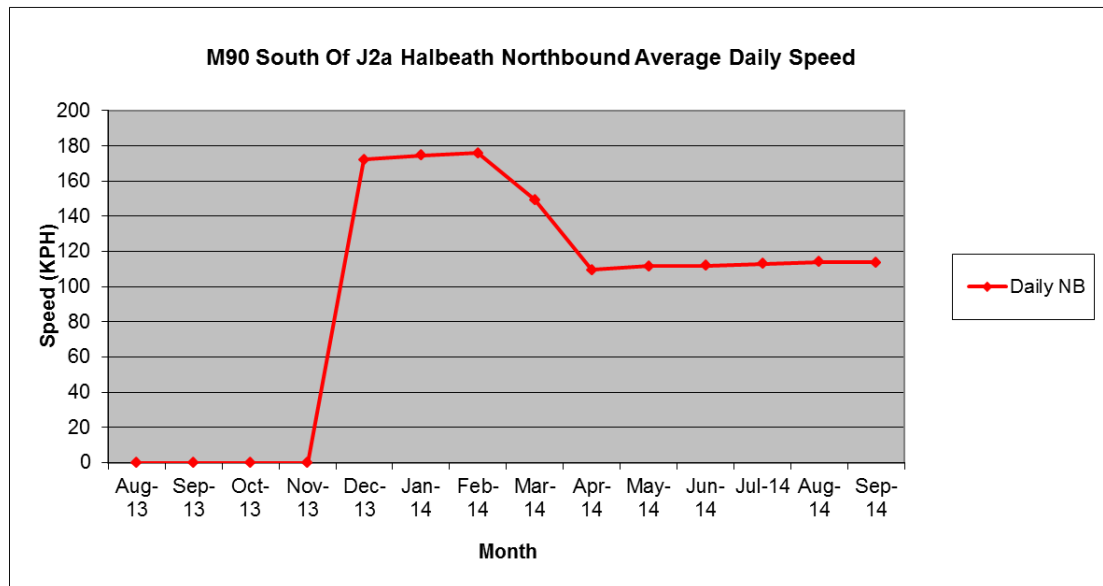


Figure 3-233 Monthly HGV Traffic Flows on the M90 South of J2a Halbeath Northbound

### 3.46.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-184 Site: NTC01174 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB
NTC01174	M90 South of J2a Halbeath Northbound	Aug-13	No Data
		Sep-13	No Data
		Oct-13	No Data
		Nov-13	No Data
		Dec-13	172 (counter error)
		Jan-14	175 (counter error)
		Feb-14	176 (counter error)
		Mar-14	149 (counter error)
		Apr-14	110
		May-14	112
		Jun-14	112
		Jul-14	113
		Aug-14	114
		Sep-14	114



**Figure 3-234 Average Monthly Traffic Speeds (KPH) on the M90 South of J2a Halbeath Northbound**

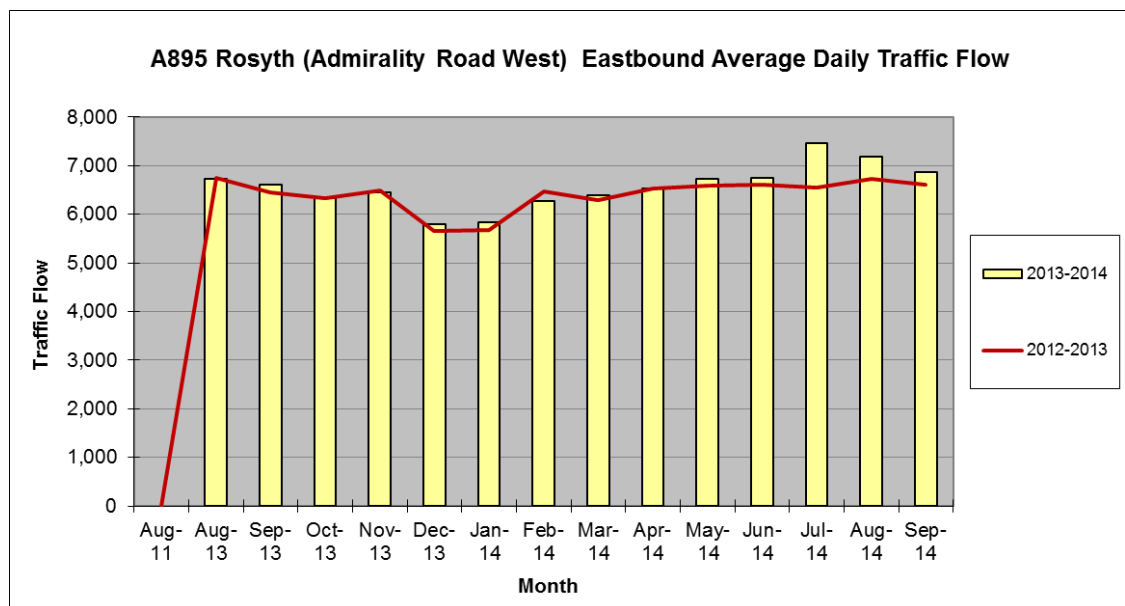
# 4 A-Road Automatic Traffic Counter Data

## 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 2013 to September 2014**

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Aug-13	6,732	6,727	13,458
		Sep-13	6,615	6,548	13,163
		Oct-13	6,333	6,327	12,659
		Nov-13	6,459	6,551	13,010
		Dec-13	5,804	5,868	11,672
		Jan-14	5,828	5,961	11,788
		Feb-14	6,263	6,386	12,650
		Mar-14	6,397	6,493	12,890
		Apr-14	6,532	6,513	13,045
		May-14	6,725	6,759	13,484
		Jun-14	6,757	6,797	13,554
		Jul-14	7,471	7,261	14,731
		Aug-14	7,193	7,081	14,274
		Sep-14	6,860	6,874	13,734
	<b>Annual Average</b>		<b>6,493</b>	<b>6,516</b>	<b>13,009</b>



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

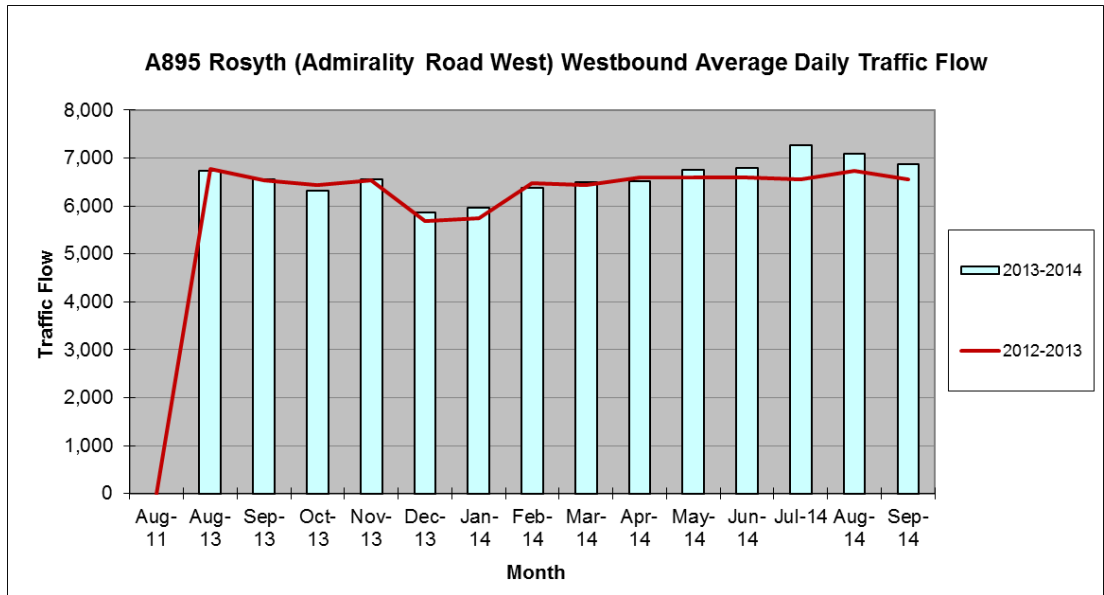


Figure 4-2 Monthly Westbound AADTs on the A985 Rosyth (Admiralty Road West)

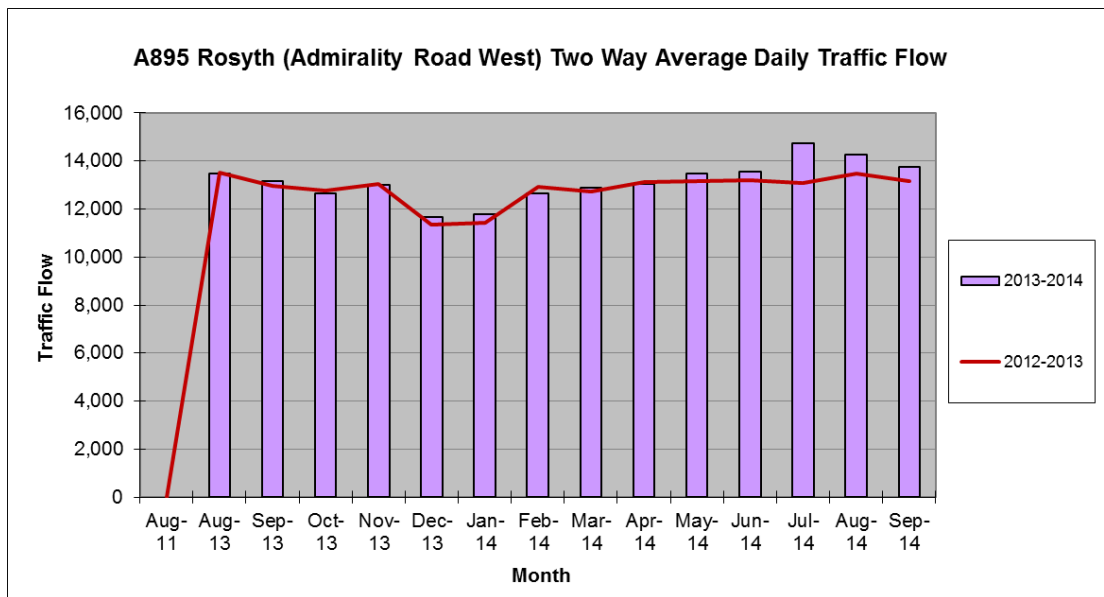
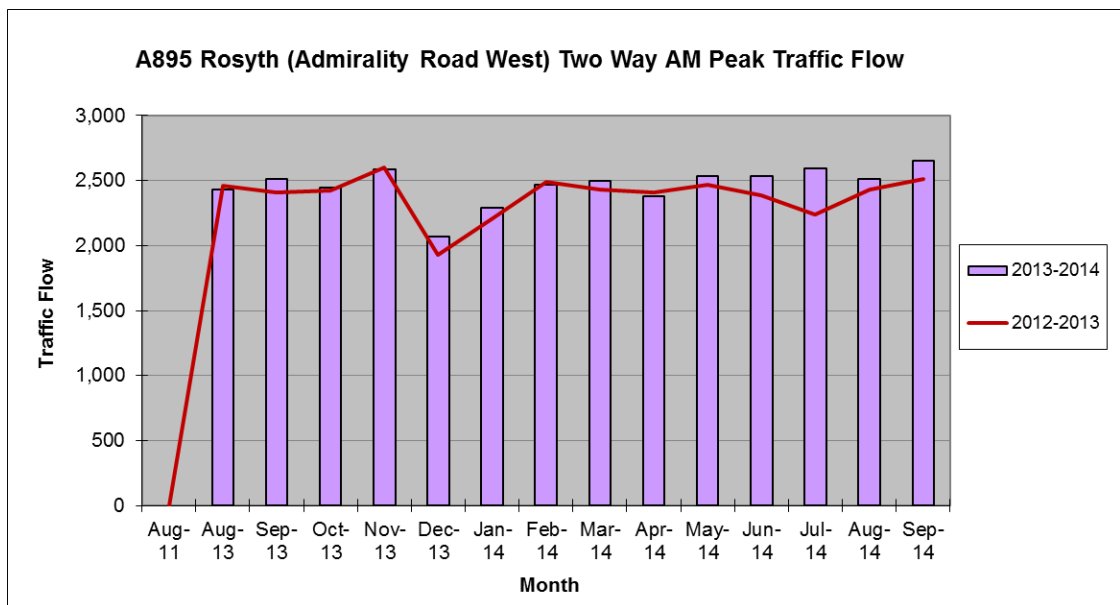


Figure 4-3 Monthly Two Way Daily Traffic Flows on the A985 Rosyth (Admiralty Road West)

### 4.1.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-2 Site: JTC00318 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data
		Aug-13	2,434	3,169
		Sep-13	2,513	3,150
		Oct-13	2,449	3,025
		Nov-13	2,583	3,021
		Dec-13	2,068	2,559
		Jan-14	2,293	2,753
		Feb-14	2,471	2,948
		Mar-14	2,500	3,010
		Apr-14	2,378	3,092
		May-14	2,533	3,122
		Jun-14	2,535	3,130
		Jul-14	2,594	3,460
		Aug-14	2,516	3,291
		Sep-14	2,653	3,250
		<b>Annual Average</b>	<b>2,446</b>	<b>3,037</b>



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

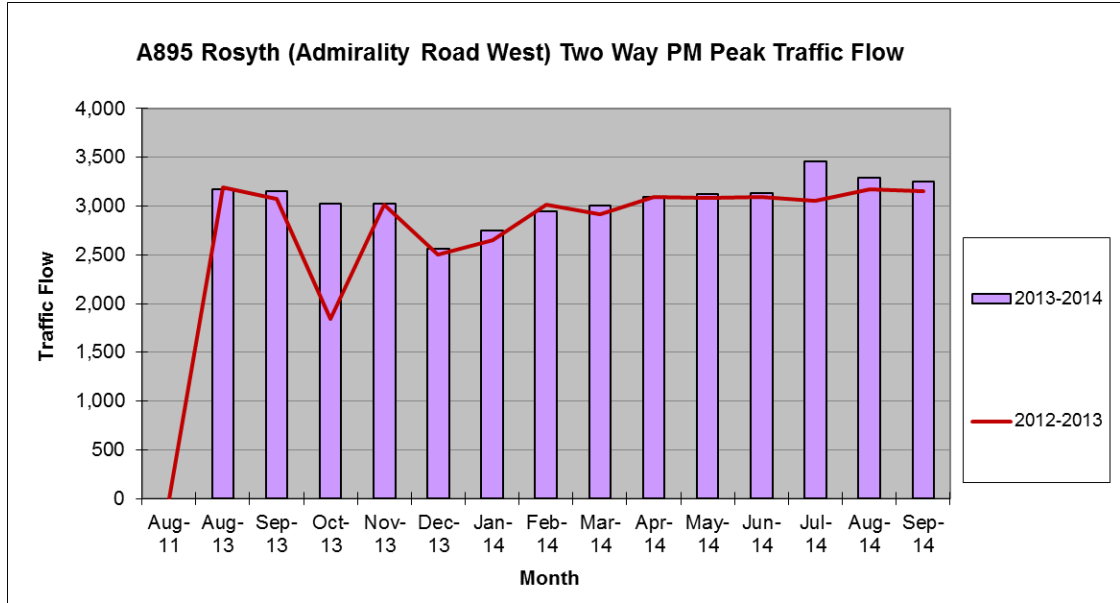


Figure 4-5 Monthly Two Way PM Peak Flows on the A985 Rosyth (Admiralty Road West)

### 4.1.3 Monthly Average HGV Flows

Table 4-3 Site: JTC00318 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data
		Aug-13	279
		Sep-13	284
		Oct-13	282
		Nov-13	280
		Dec-13	295
		Jan-14	277
		Feb-14	350
		Mar-14	358
		Apr-14	365
		May-14	370
		Jun-14	386
		Jul-14	384
		Aug-14	366
Sep-14	390		
		<b>Annual Average</b>	<b>326</b>



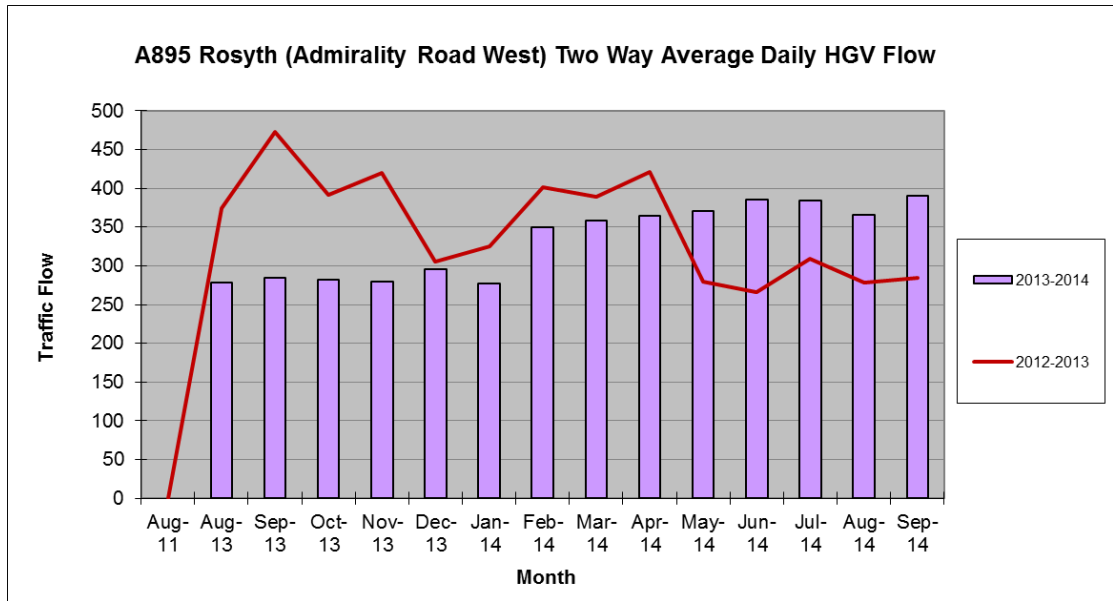


Figure 4-6 Monthly Two Way HGV Flows on the A985 Rosyth (Admiralty Road West)

#### 4.1.4 Monthly Average All Vehicles Traffic Speeds

Table 4-4 Site: JTC00318 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-13	47	49
		Sep-13	47	49
		Oct-13	47	49
		Nov-13	47	48
		Dec-13	47	48
		Jan-14	47	48
		Feb-14	47	48
		Mar-14	47	49
		Apr-14	47	49
		May-14	47	48
		Jun-14	47	49
		Jul-14	47	49
		Aug-14	47	48
Sep-14	47	48		

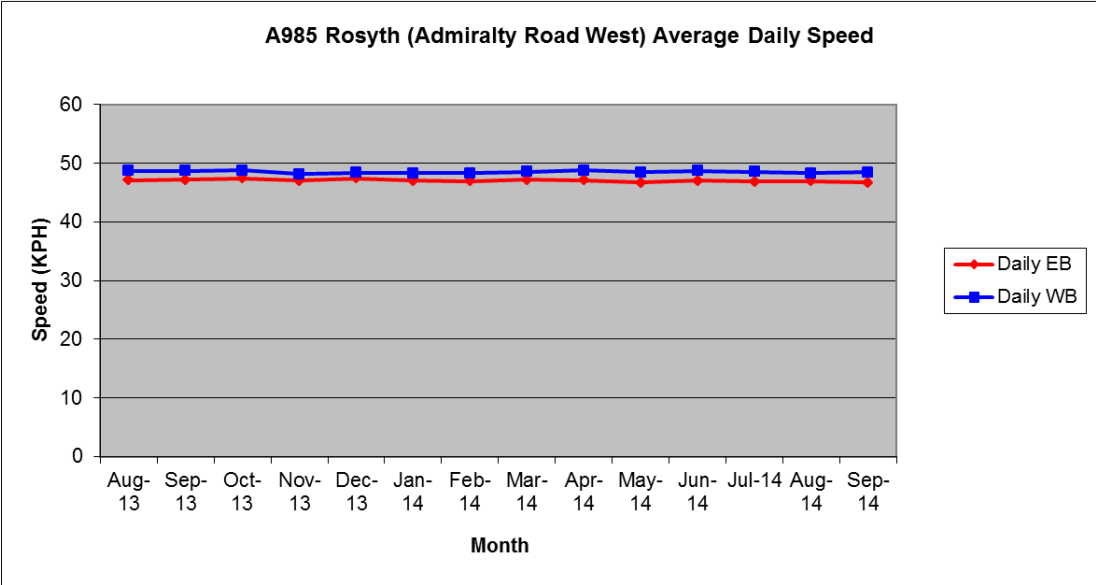


Figure 4-7 Average Monthly Traffic Speeds (KPH) on the A985 Rosyth (Admiralty Road West)

## 4.2 Traffic Counter JTC00570 – A985 Admiralty Road

### 4.2.1 Monthly Average Traffic Flows

Table 3-4-5 Site: JTC00570 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00570	A985 Admiralty Road	Aug-11	No Data	No Data	No Data
		Aug-13	7,463	7,016	14,479
		Sep-13	7,134	6,790	13,923
		Oct-13	6,896	6,574	13,469
		Nov-13	7,021	6,728	13,749
		Dec-13	7,187	6,882	14,068
		Jan-14	6,521	6,252	12,773
		Feb-14	7,009	6,682	13,691
		Mar-14	7,117	6,803	13,920
		Apr-14	7,348	6,894	14,242
		May-14	7,456	7,041	14,497
		Jun-14	7,414	7,080	14,494
		Jul-14	7,970	7,270	15,240
		Aug-14	7,887	7,327	15,214
		Sep-14	7,552	7,152	14,704
	<b>Annual Average</b>		<b>7,211</b>	<b>6,834</b>	<b>14,046</b>

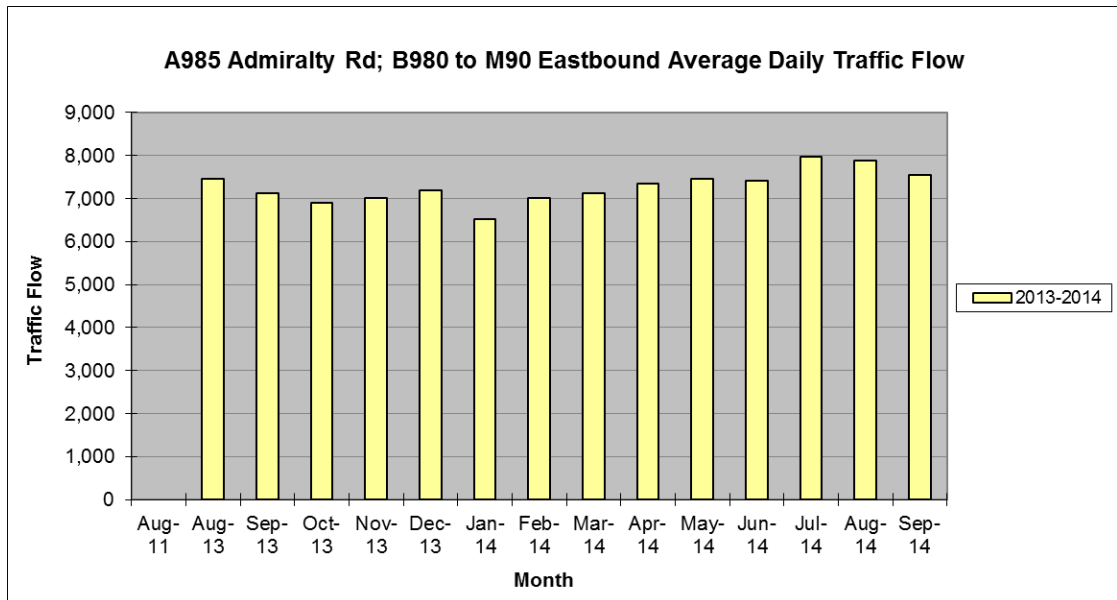


Figure 4-8 Monthly Eastbound AADTs on the A985 Admiralty Road

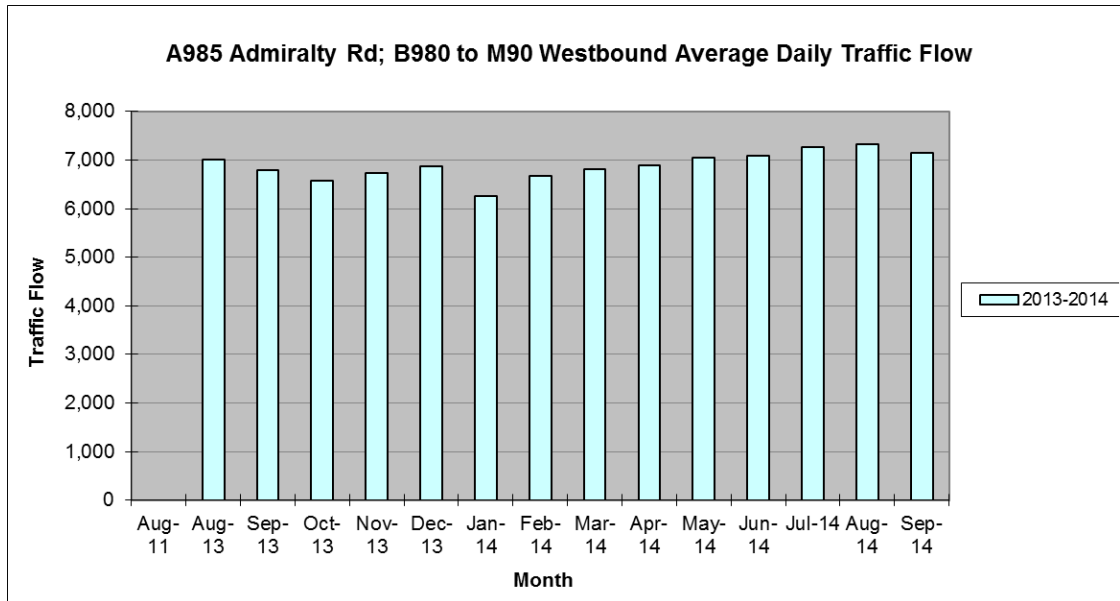


Figure 4-9 Monthly Westbound AADTs on the A985 Admiralty Road

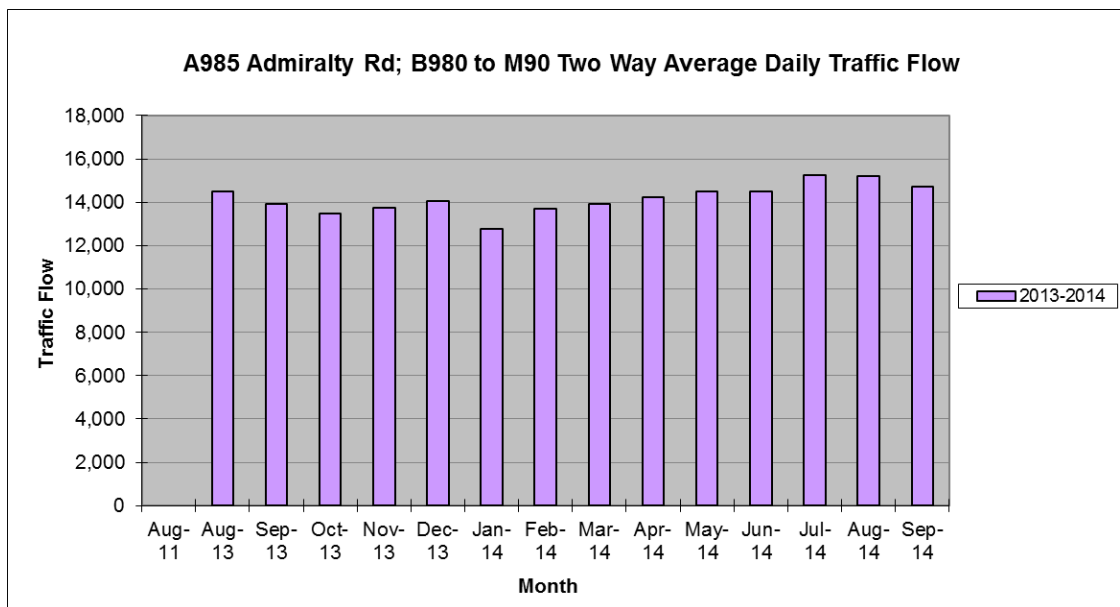
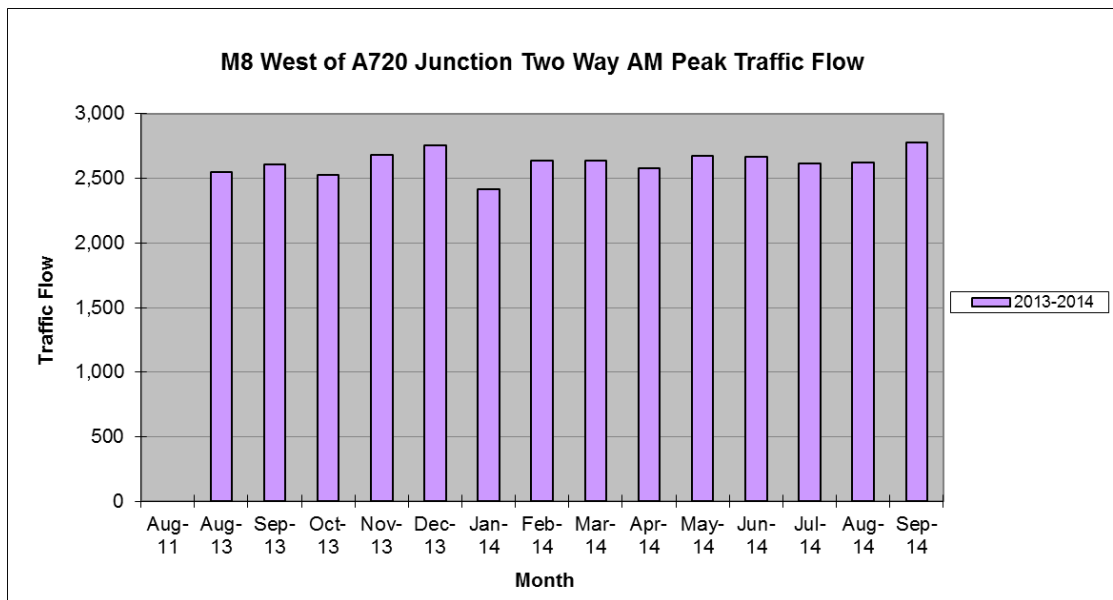


Figure 4-10 Monthly Two Way Daily Traffic Flows on the A985 Admiralty Road

### 4.2.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-6 Site: JTC00570 Monthly Two Way AM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00570	A985 Admiralty Road	Aug-11	No Data	No Data
		Aug-13	2,550	3,347
		Sep-13	2,605	3,261
		Oct-13	2,527	3,152
		Nov-13	2,685	3,129
		Dec-13	2,752	3,119
		Jan-14	2,416	2,942
		Feb-14	2,636	3,131
		Mar-14	2,638	3,186
		Apr-14	2,582	3,308
		May-14	2,673	3,298
		Jun-14	2,668	3,284
		Jul-14	2,617	3,495
		Aug-14	2,626	3,454
		Sep-14	2,781	3,389
		<b>Annual Average</b>	<b>2,612</b>	<b>3,221</b>



**Figure 4-11 Monthly Two Way AM Peak Flows on the A985 Admiralty Road**

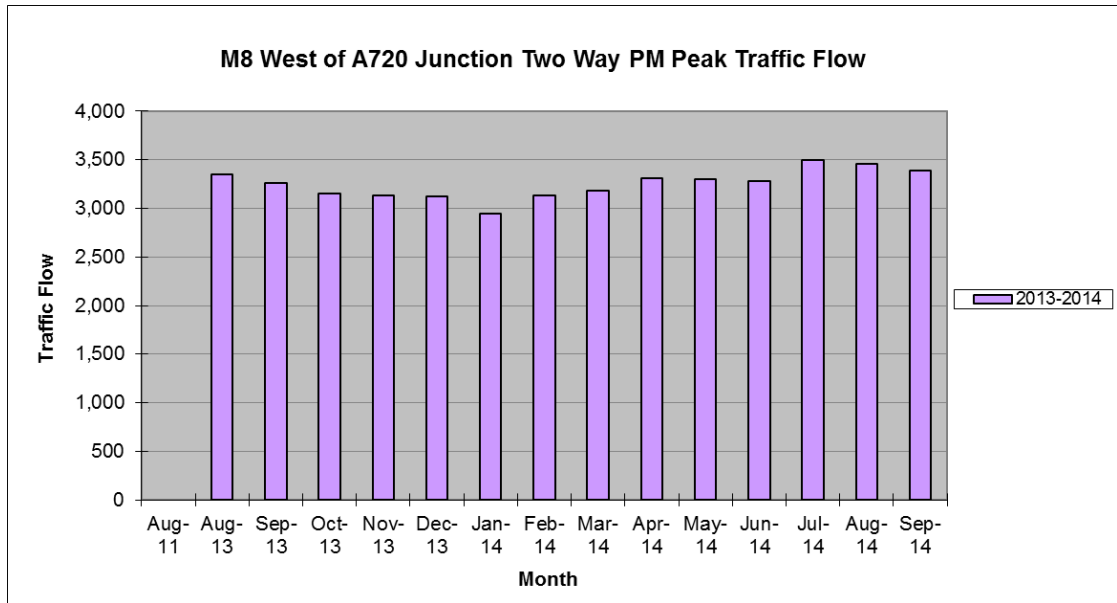


Figure 4-12 Monthly Two Way PM Peak Flows on the A985 Admiralty Road

### 4.2.3 Monthly Average HGV Flows

Table 4-7 Site: JTC00570 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00570	A985 Admiralty Road	Aug-11	No Data
		Aug-13	252
		Sep-13	256
		Oct-13	254
		Nov-13	256
		Dec-13	329
		Jan-14	253
		Feb-14	327
		Mar-14	327
		Apr-14	343
		May-14	341
		Jun-14	359
		Jul-14	352
		Aug-14	340
		Sep-14	359
		<b>Annual Average</b>	<b>304</b>

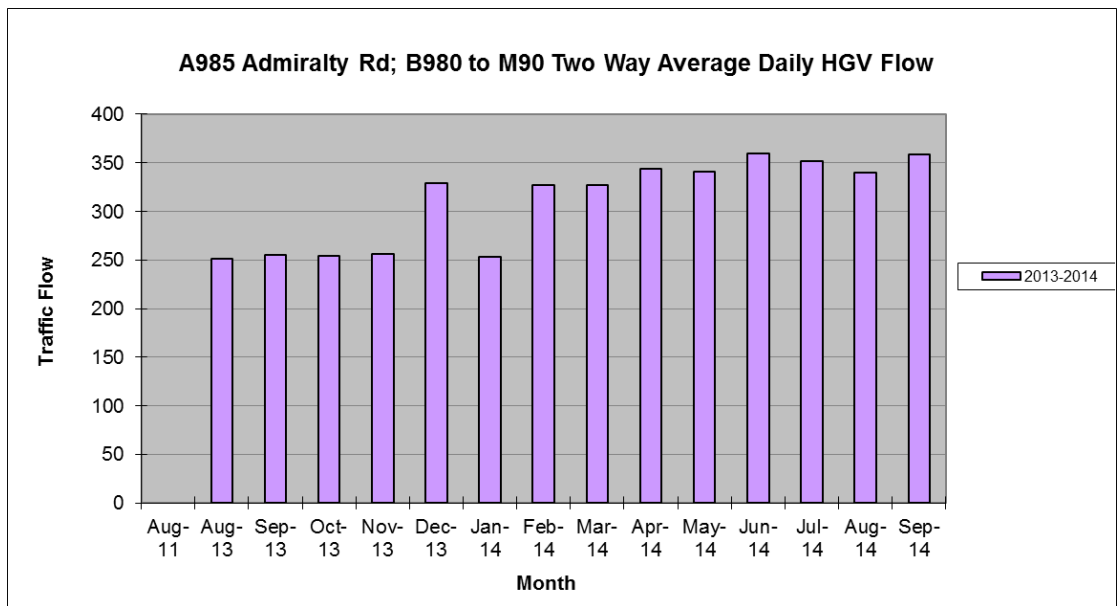


Figure 4-13 Monthly Two Way HGV Flows on the A985 Admiralty Road

#### 4.2.4 Monthly Average All Vehicles Traffic Speeds

Table 4-8 Site: JTC00570 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00570	A985 Admiralty Road	Aug-13	46	46
		Sep-13	46	46
		Oct-13	44	44
		Nov-13	46	45
		Dec-13	46	45
		Jan-14	46	45
		Feb-14	46	45
		Mar-14	46	46
		Apr-14	46	46
		May-14	46	46
		Jun-14	46	46
		Jul-14	46	45
		Aug-14	46	45
		Sep-14	46	45

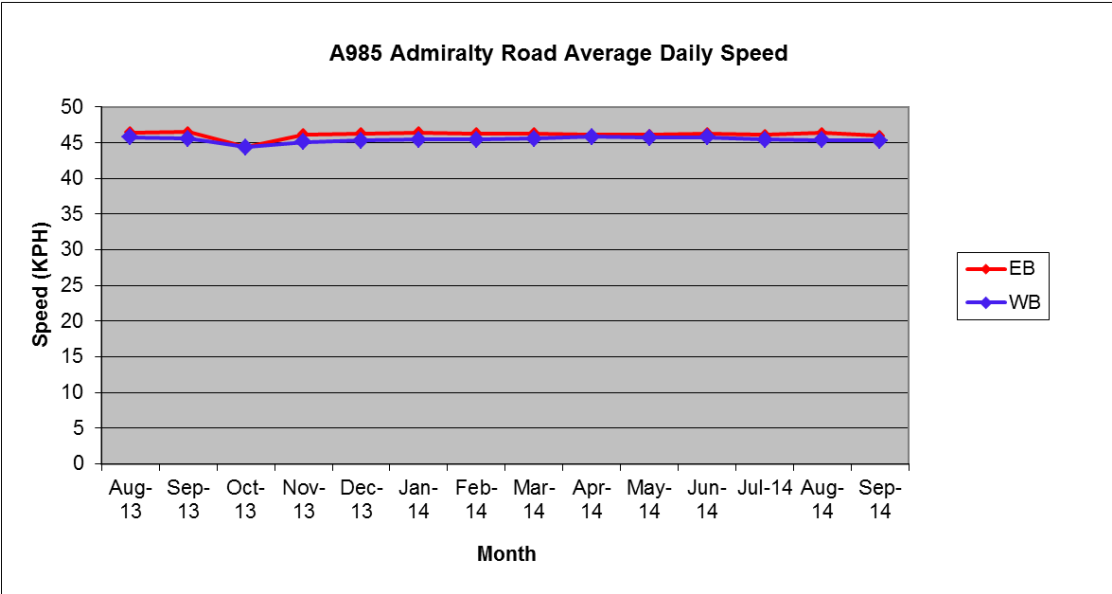


Figure 4-14 Average Monthly Traffic Speeds (KPH) on the A985 Admiralty Road



### 4.3 Traffic Counter JTC00395 - A904 (East of Newton)

#### 4.3.1 Monthly Average Traffic Flows

Table 4-9 Site: JTC00395 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	6,746	7,058	13,803
		Aug-13	5,509	6,023	11,532
		Sep-13	5,173	5,518	10,691
		Oct-13	5,012	5,419	10,431
		Nov-13	5,104	5,481	10,585
		Dec-13	4,280	4,683	8,963
		Jan-14	4,507	4,852	9,359
		Feb-14	4,686	5,024	9,710
		Mar-14	5,176	5,533	10,709
		Apr-14	5,461	5,905	11,366
		May-14	5,806	6,163	11,970
		Jun-14	5,768	6,159	11,928
		Jul-14	5,490	5,958	11,448
		Aug-14	5,562	5,924	11,486
		Sep-14	5,668	5,956	11,623
		<b>Annual Average</b>			<b>5,164</b>

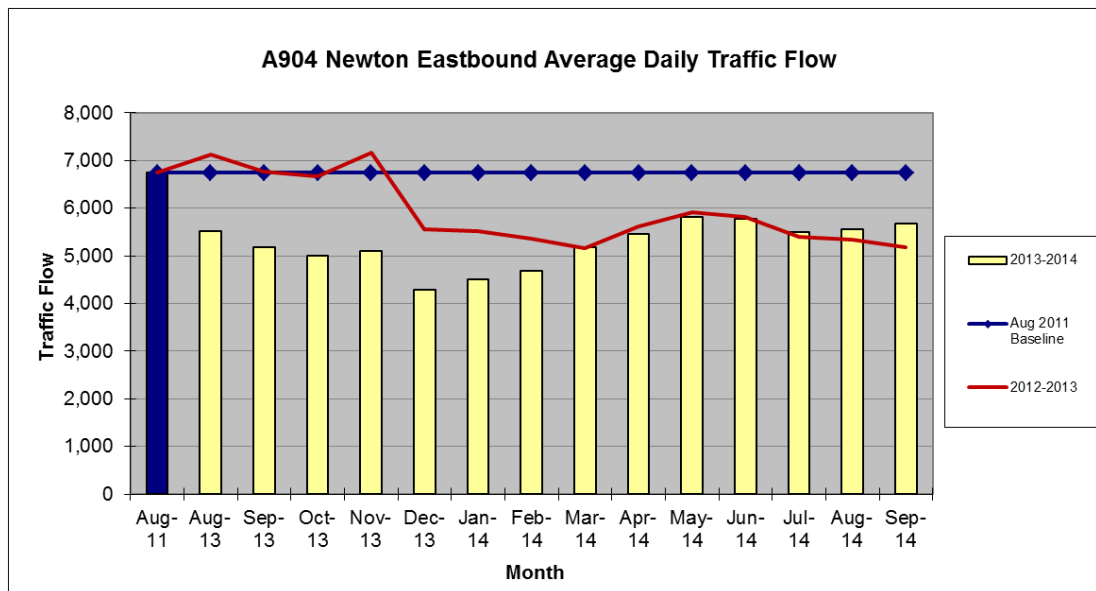


Figure 4-15 Monthly Eastbound AADTs on the A904 East of Newton

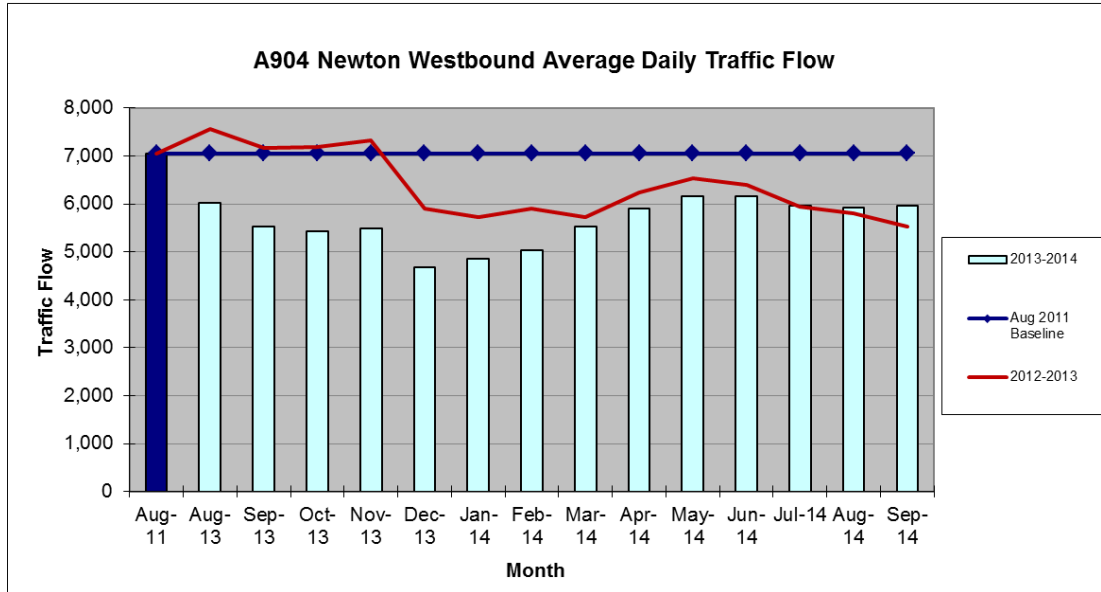


Figure 4-16 Monthly Westbound AADTs on the A904 East of Newton

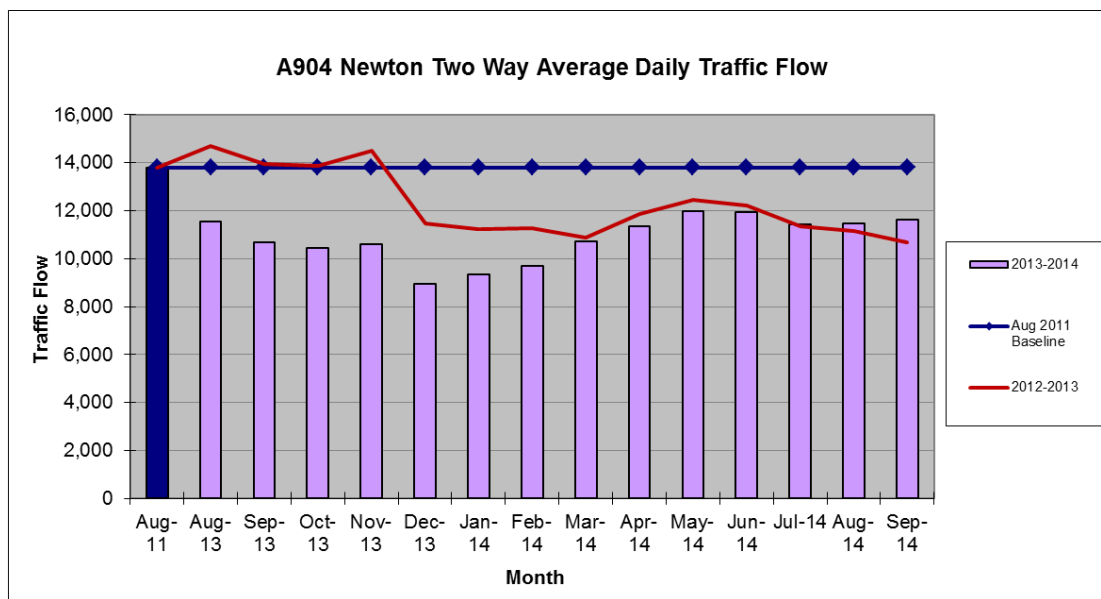
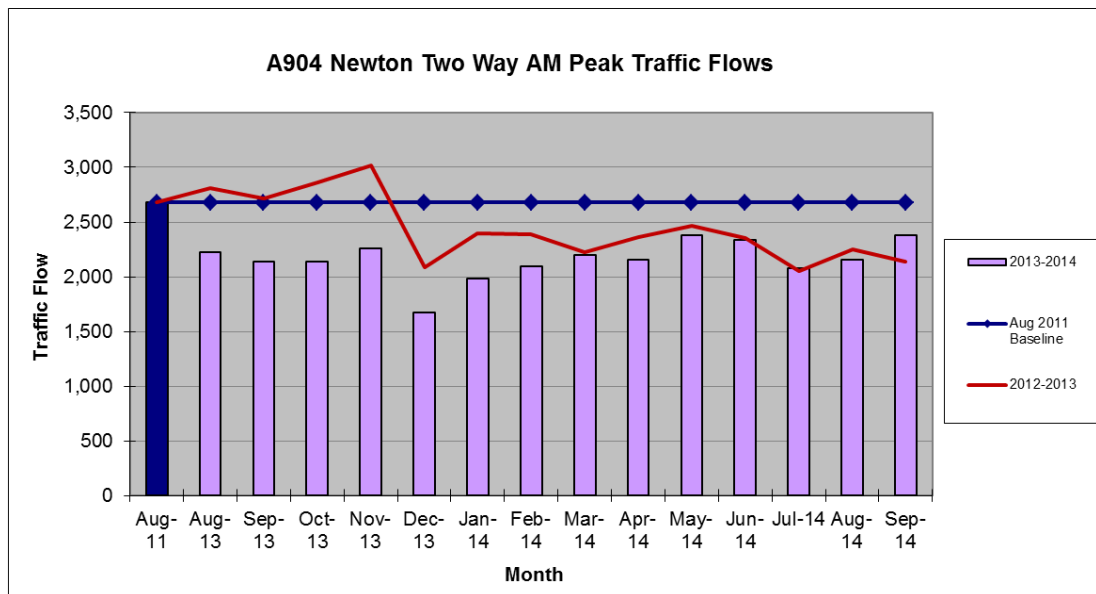


Figure 4-17 Monthly Two Way Daily Traffic Flows on the A904 East of Newton

### 4.3.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-10 Site: JTC00395 AM and PM Peak Two Way Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00395	A904 (East of Newton)	Aug-11	2,680	3,556
		Aug-13	2,222	3,032
		Sep-13	2,142	2,839
		Oct-13	2,135	2,814
		Nov-13	2,255	2,795
		Dec-13	1,673	2,204
		Jan-14	1,985	2,524
		Feb-14	2,093	2,584
		Mar-14	2,198	2,864
		Apr-14	2,154	2,957
		May-14	2,378	3,108
		Jun-14	2,336	3,096
		Jul-14	2,077	2,950
		Aug-14	2,157	2,955
		Sep-14	2,382	3,088
		<b>Annual Average</b>	<b>2,137</b>	<b>2,814</b>



**Figure 4-18 Monthly Two Way AM Peak Flows on the A904 East of Newton**

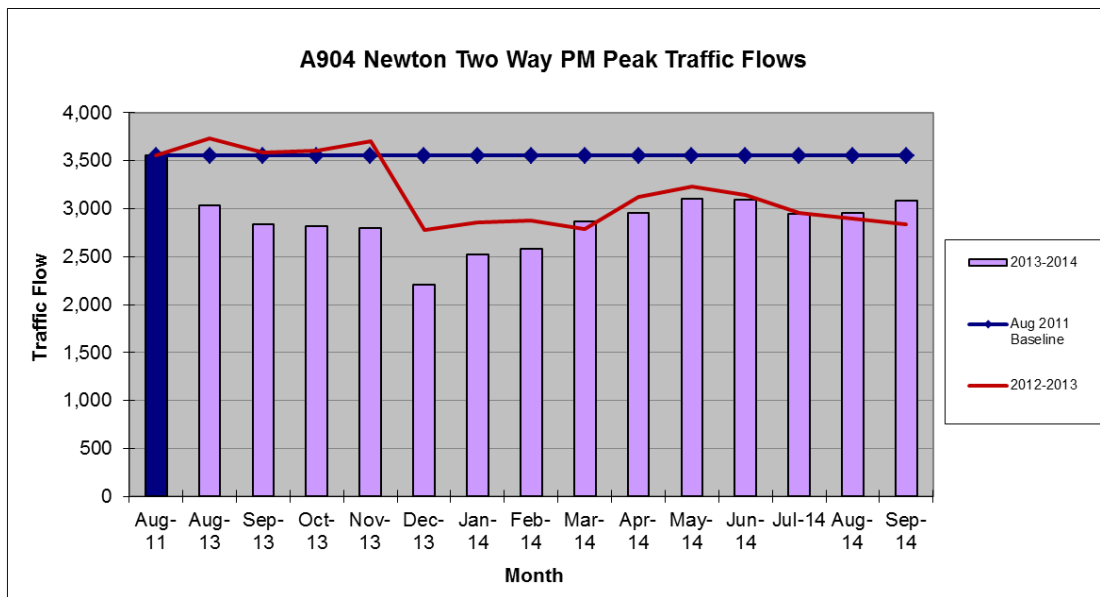


Figure 4-19 Monthly Two Way PM Peak Flows on the A904 East of Newton

### 4.3.3 Monthly Average HGV Flows

Table 4-11 Site: JTC00395 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00395	A904 (East of Newton)	Aug-11	481
		Aug-13	180
		Sep-13	155
		Oct-13	165
		Nov-13	172
		Dec-13	137
		Jan-14	140
		Feb-14	144
		Mar-14	150
		Apr-14	149
		May-14	169
		Jun-14	168
		Jul-14	158
		Aug-14	163
Sep-14	170		
		<b>Annual Average</b>	<b>157</b>

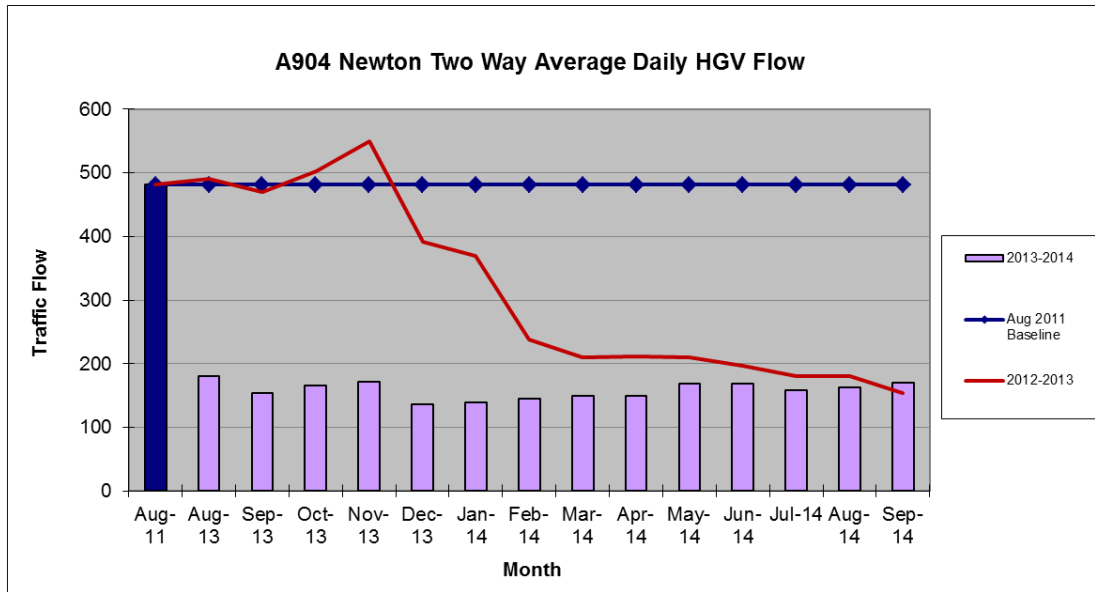


Figure 4-20 Monthly Two Way HGV Flows on the A904 East of Newton

### 4.3.4 Monthly Average All Vehicles Traffic Speeds

Table 4-12 Site: JTC00395 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00395	A904 (East of Newton)	Aug-13	62	60
		Sep-13	62	59
		Oct-13	62	61
		Nov-13	60	60
		Dec-13	61	60
		Jan-14	61	61
		Feb-14	62	61
		Mar-14	62	62
		Apr-14	63	62
		May-14	62	62
		Jun-14	64	62
		Jul-14	63	61
		Aug-14	63	61
Sep-14	63	61		

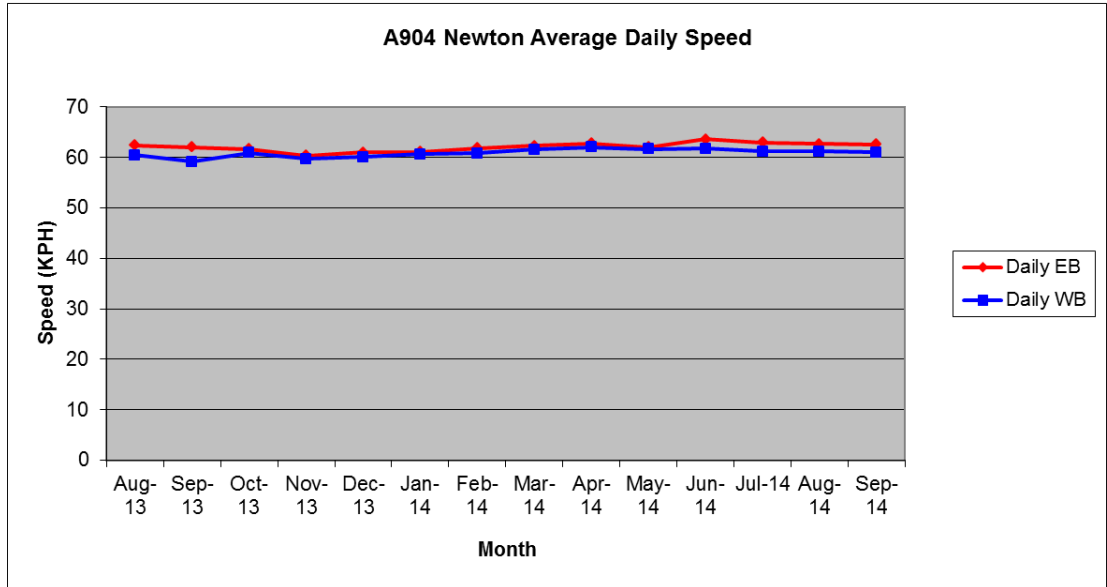


Figure 4-21 Average Monthly Traffic Speeds (KPH) on the A904 East of Newton

## 4.4 Traffic Counter JTC00507 – A876 Clackmannanshire Bridge (South)

### 4.4.1 Monthly Average Traffic Flows

Table 3-4-13 Site: JTC00507 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	7,998	7,990	15,988
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		Oct-13	No Data	No Data	No Data
		Nov-13	No Data	No Data	No Data
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	8,666	8,488	17,154
		Apr-14	8,616	8,380	16,996
		May-14	9,143	8,945	18,088
		Jun-14	8,767	8,516	17,282
		Jul-14	8,966	8,824	17,790
		Aug-14	8,850	8,677	17,527
		Sep-14	8,913	8,725	17,638
		<b>Annual Average</b>	<b>8,831</b>	<b>8,630</b>	<b>17,462</b>

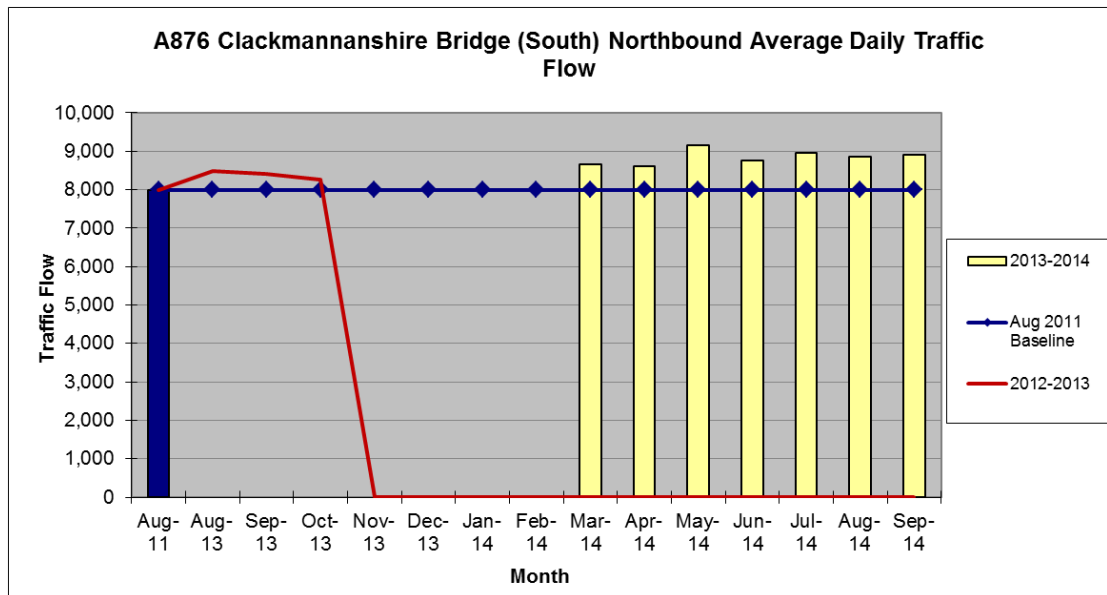


Figure 4-22 Monthly Northbound AADTs on the A876 Clackmannanshire Bridge (South)

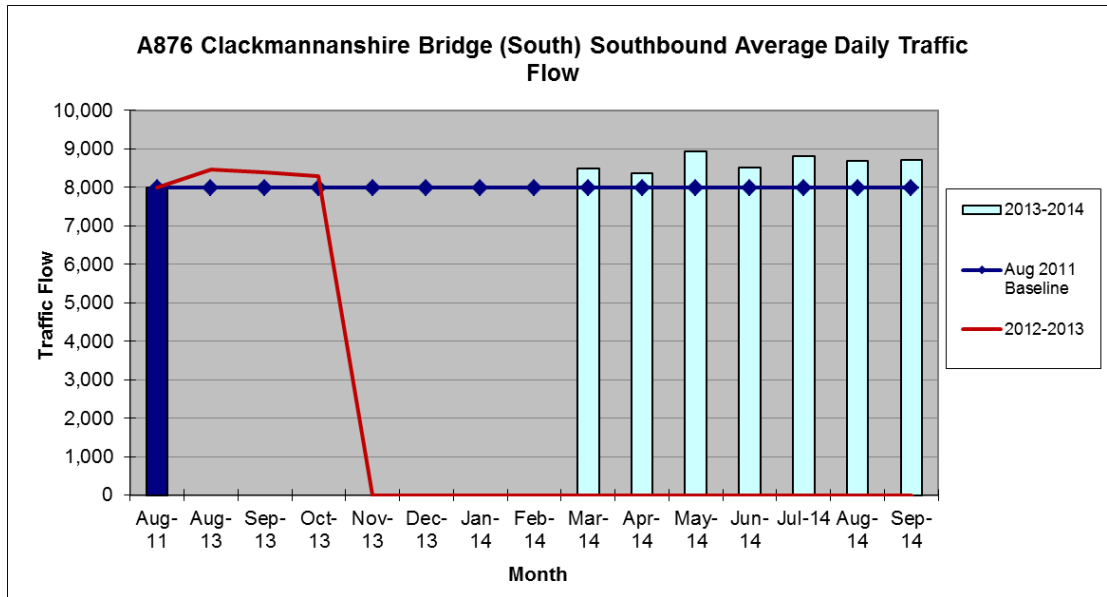


Figure 4-23 Monthly Southbound AADTs on the A876 Clackmannanshire Bridge (South)

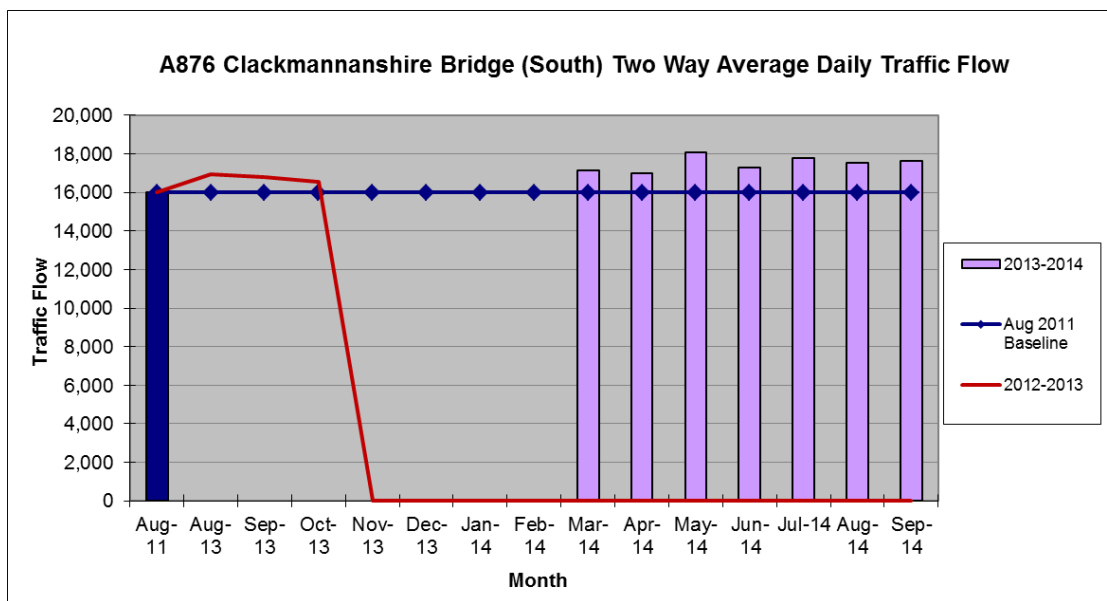


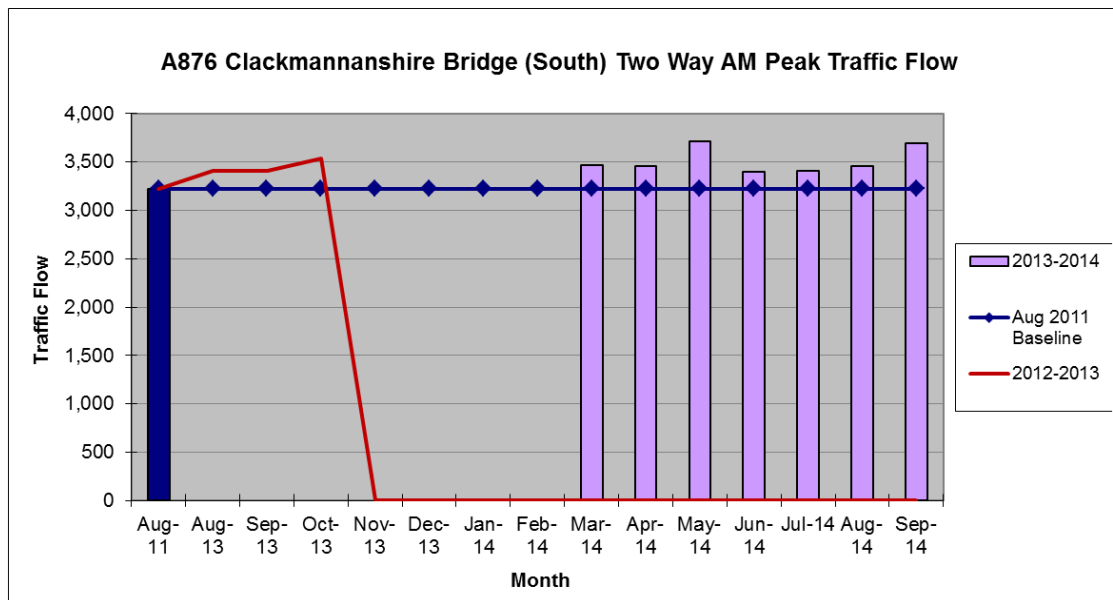
Figure 4-24 Monthly Two Way Daily Traffic Flows on the A876 Clackmannanshire Bridge (South)



#### 4.4.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-14 Site: JTC00507 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	3,223	3,944
		Aug-13	No Data	No Data
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	3,466	4,393
		Apr-14	3,458	4,075
		May-14	3,711	4,394
		Jun-14	3,398	4,313
		Jul-14	3,409	4,154
		Aug-14	3,455	4,204
Sep-14	3,697	4,364		
		<b>Annual Average</b>	<b>3,488</b>	<b>4,266</b>



**Figure 4-25 Monthly Two Way AM Peak Flows on the A876 Clackmannanshire Bridge (South)**

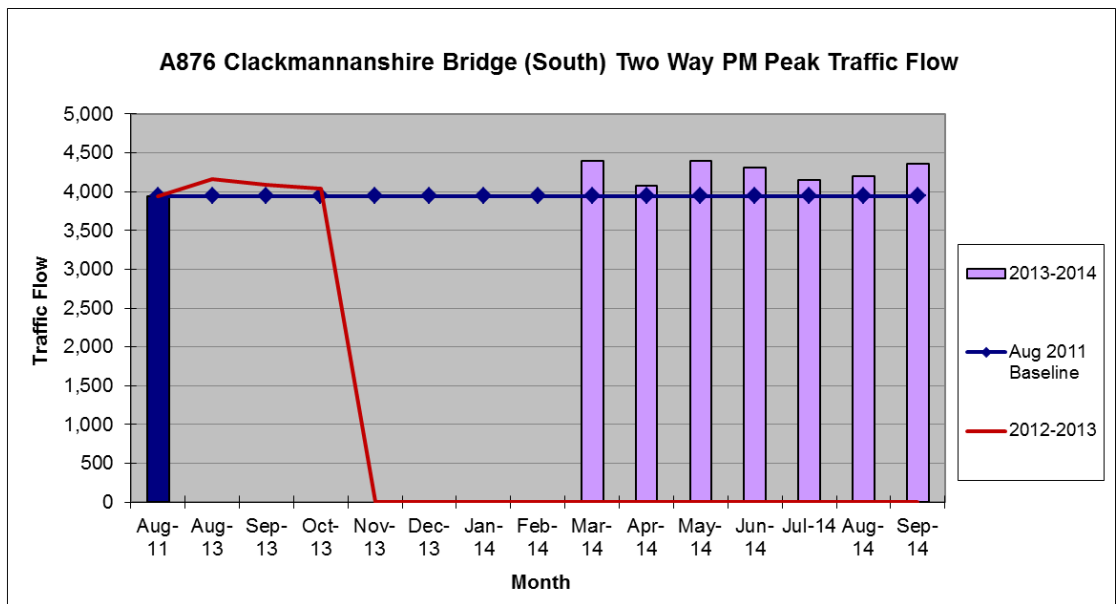


Figure 4-26 Monthly Two Way PM Peak Flows on the A876 Clackmannanshire Bridge (South)

### 4.4.3 Monthly Average HGV Flows

Table 4-15 Site: JTC00507 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	585
		Aug-13	No Data
		Sep-13	No Data
		Oct-13	No Data
		Nov-13	No Data
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	697
		Apr-14	667
		May-14	729
		Jun-14	693
		Jul-14	753
		Aug-14	664
Sep-14	719		
		<b>Annual Average</b>	<b>708</b>

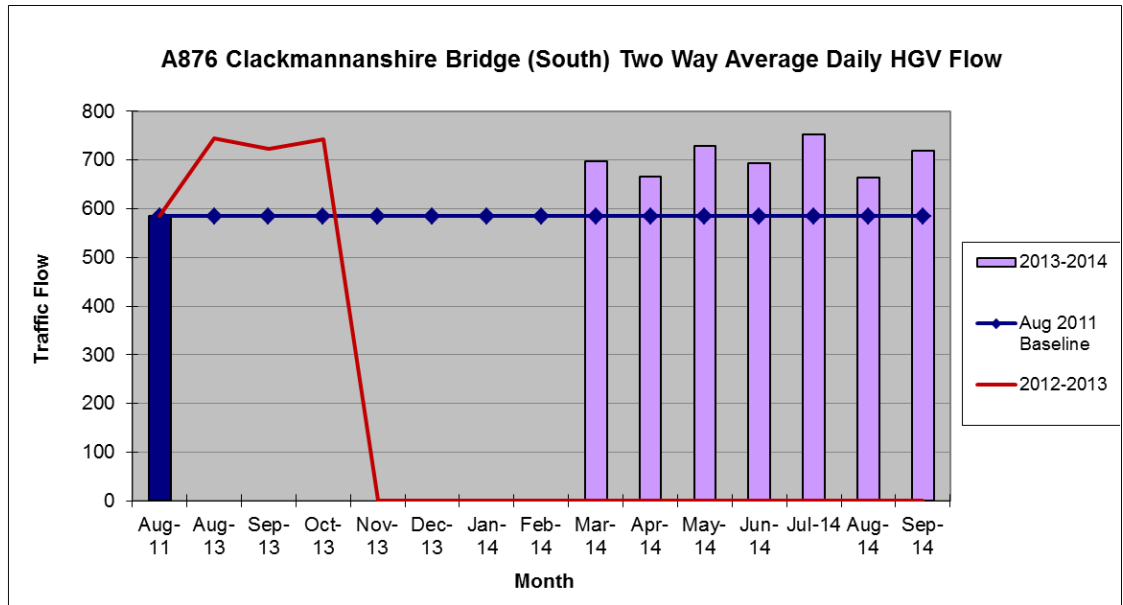


Figure 4-27 Monthly Two Way HGV Flows on the A876 Clackmannanshire Bridge (South)

#### 4.4.4 Monthly Average All Vehicles Traffic Speeds

Table 4-16 Site: JTC00507 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-13	No Data	No Data
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	73	85
		Apr-14	73	86
		May-14	73	87
		Jun-14	73	88
		Jul-14	73	87
		Aug-14	73	86
		Sep-14	73	87

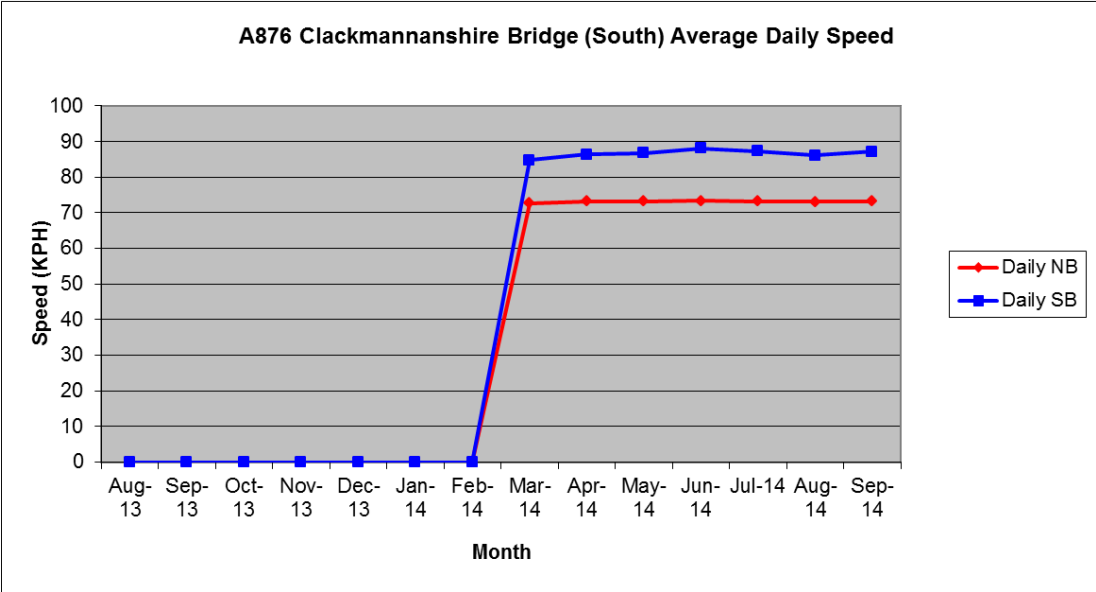


Figure 4-28 Average Monthly Traffic Speeds (KPH) on the A876 Clackmannanshire Bridge (South)

## 4.5 Traffic Counter JTC00573 – A91

### 4.5.1 Monthly Average Traffic Flows

Table 3-4-17 Site: JTC00573 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91	Aug-11	12,351	12,272	24,623
		Aug-13	12,177	11,959	24,136
		Sep-13	12,380	12,584	24,964
		Oct-13	12,061	12,194	24,255
		Nov-13	11,888	12,025	23,913
		Dec-13	11,180	11,254	22,433
		Jan-14	11,000	11,049	22,050
		Feb-14	11,767	10,587	22,353
		Mar-14	12,156	11,859	24,015
		Apr-14	11,899	11,757	23,657
		May-14	12,421	No Data	No Data
		Jun-14	12,073	No Data	No Data
		Jul-14	11,393	11,318	22,712
		Aug-14	12,085	11,989	24,075
		Sep-14	12,230	12,213	24,444
		<b>Annual Average</b>			<b>11,866</b>

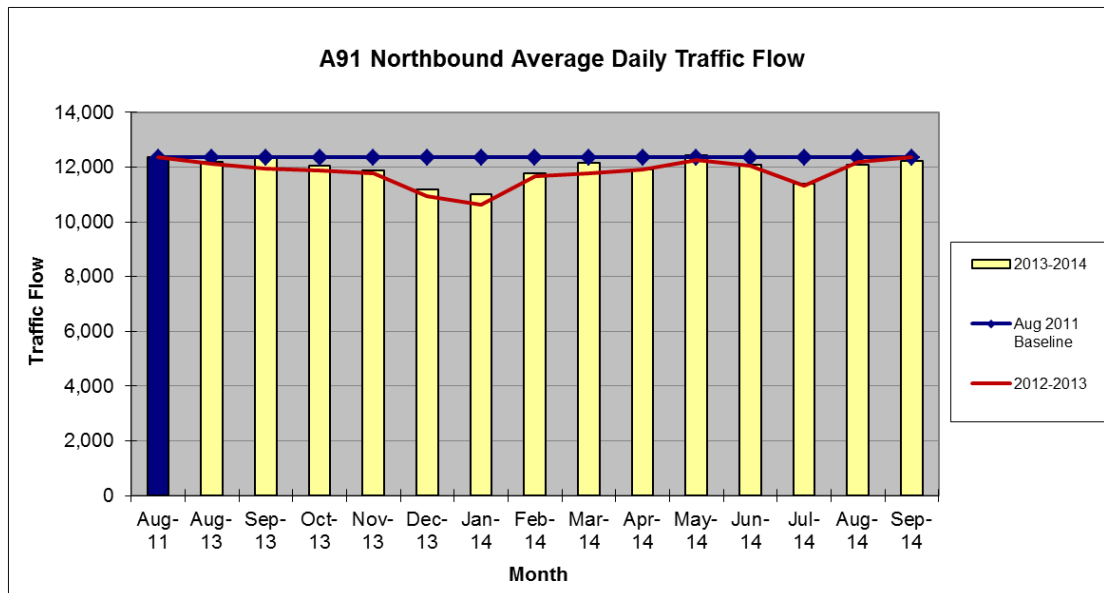


Figure 4-29 Monthly Northbound AADTs on the A91

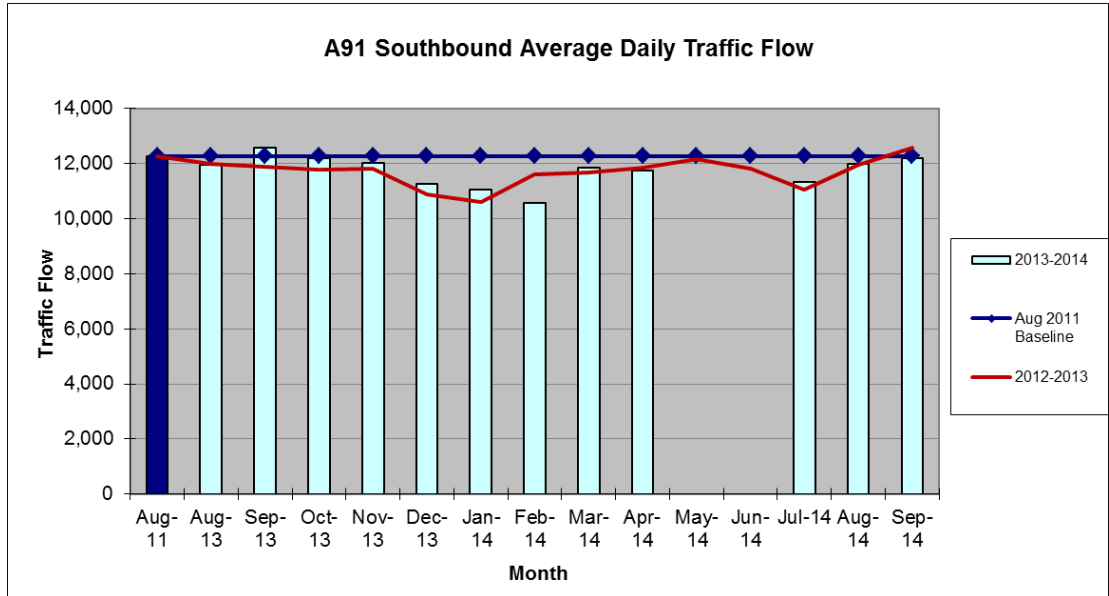


Figure 4-30 Monthly Southbound AADTs on the A91

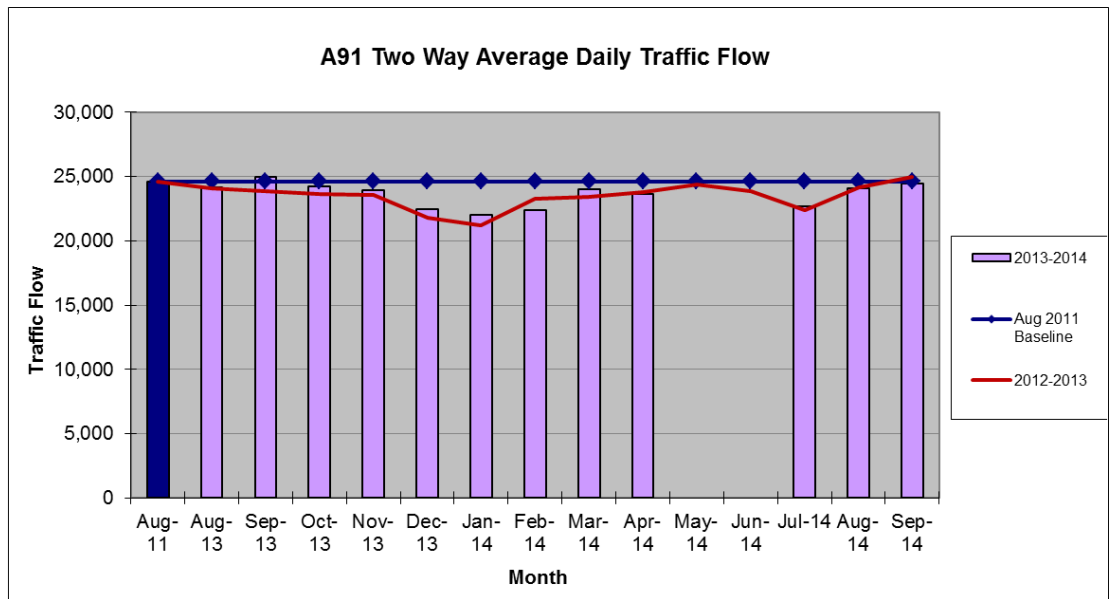
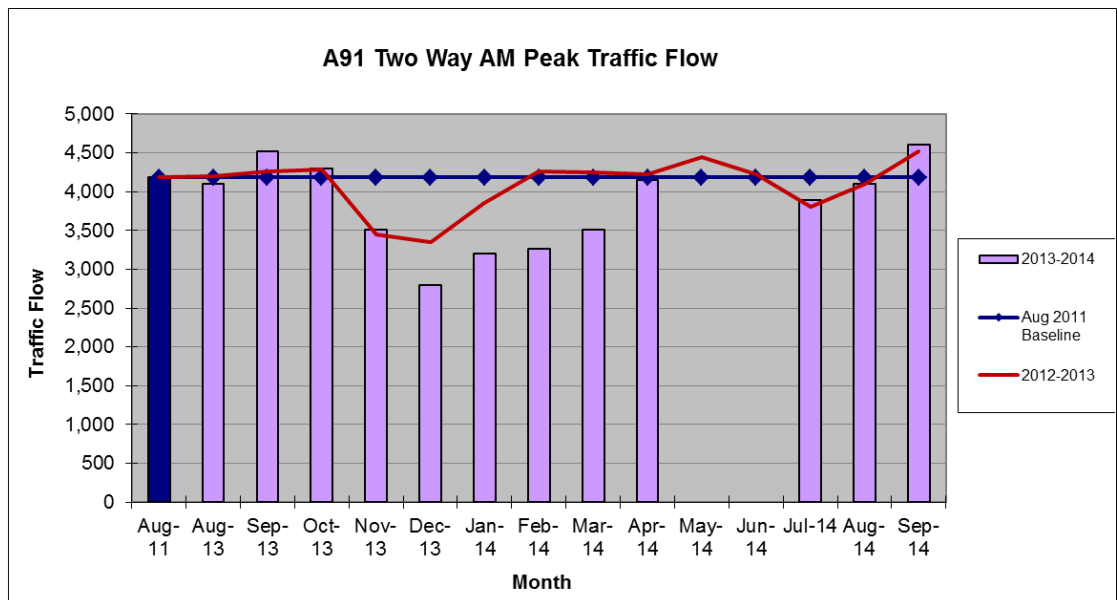


Figure 4-31 Monthly Two Way Daily Traffic Flows on the

### 4.5.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-18 Site: JTC00573 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00573	A91	Aug-11	4,182	5,788
		Aug-13	4,099	5,662
		Sep-13	4,517	5,924
		Oct-13	4,292	5,802
		Nov-13	3,504	5,946
		Dec-13	2,793	5,437
		Jan-14	3,201	5,671
		Feb-14	3,268	5,719
		Mar-14	3,512	6,049
		Apr-14	4,150	5,479
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	3,890	5,279
		Aug-14	4,097	5,565
		Sep-14	4,602	5,826
		<b>Annual Average</b>	<b>3,723</b>	<b>5,697</b>



**Figure 4-32 Monthly Two Way AM Peak Flows on the A91**

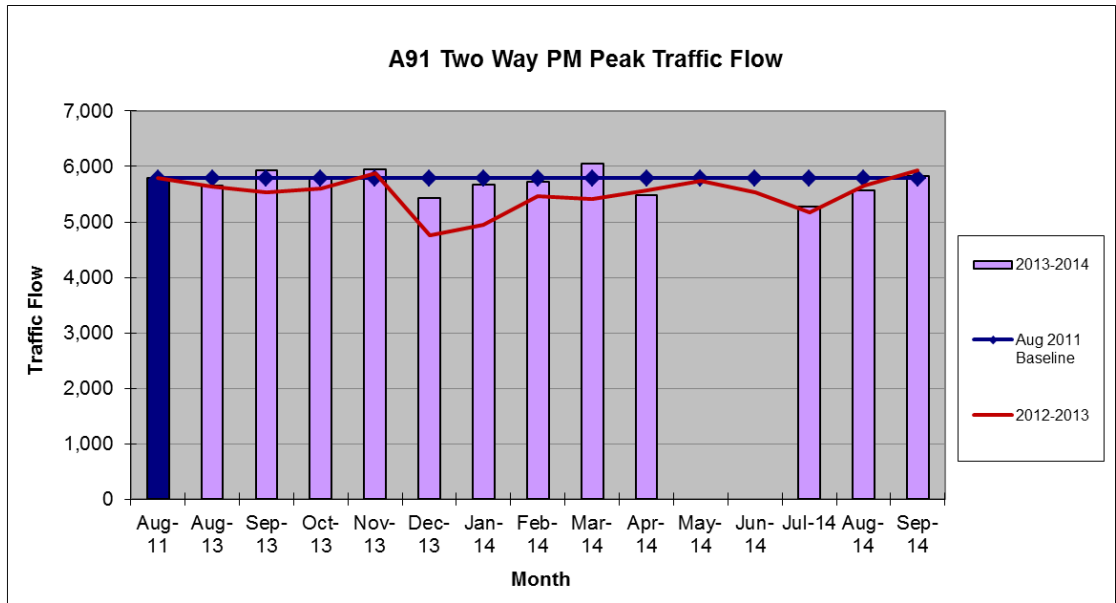


Figure 4-33 Monthly Two Way PM Peak Flows on the A91

### 4.5.3 Monthly Average HGV Flows

Table 4-19 Site: JTC00573 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00573	A91	Aug-11	321
		Aug-13	322
		Sep-13	348
		Oct-13	338
		Nov-13	328
		Dec-13	280
		Jan-14	305
		Feb-14	238
		Mar-14	330
		Apr-14	321
		May-14	No Data
		Jun-14	No Data
		Jul-14	333
		Aug-14	293
		Sep-14	336
		<b>Annual Average</b>	<b>314</b>



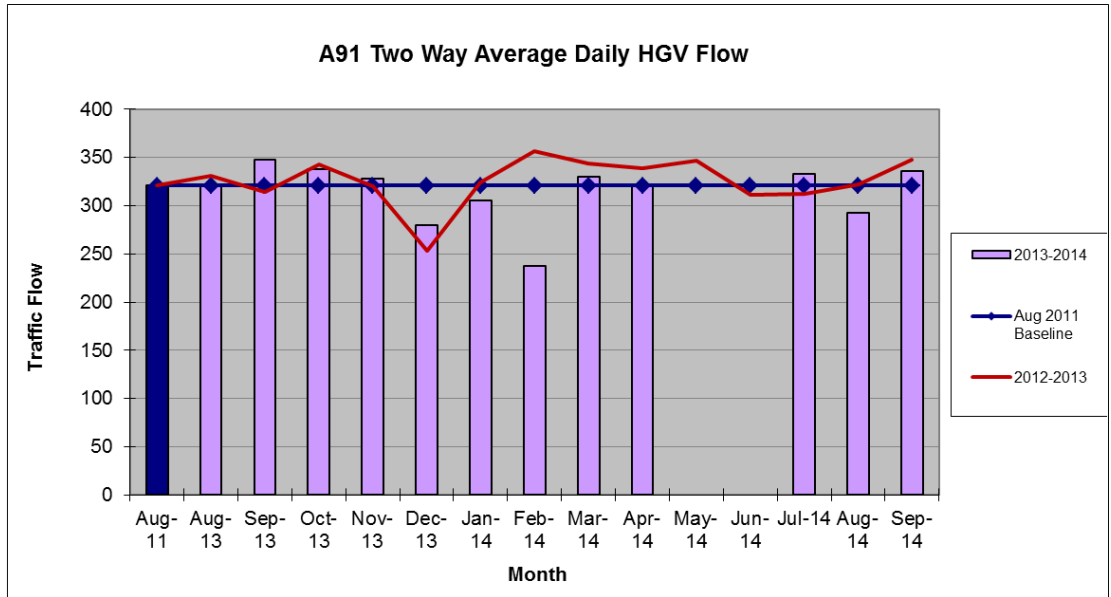
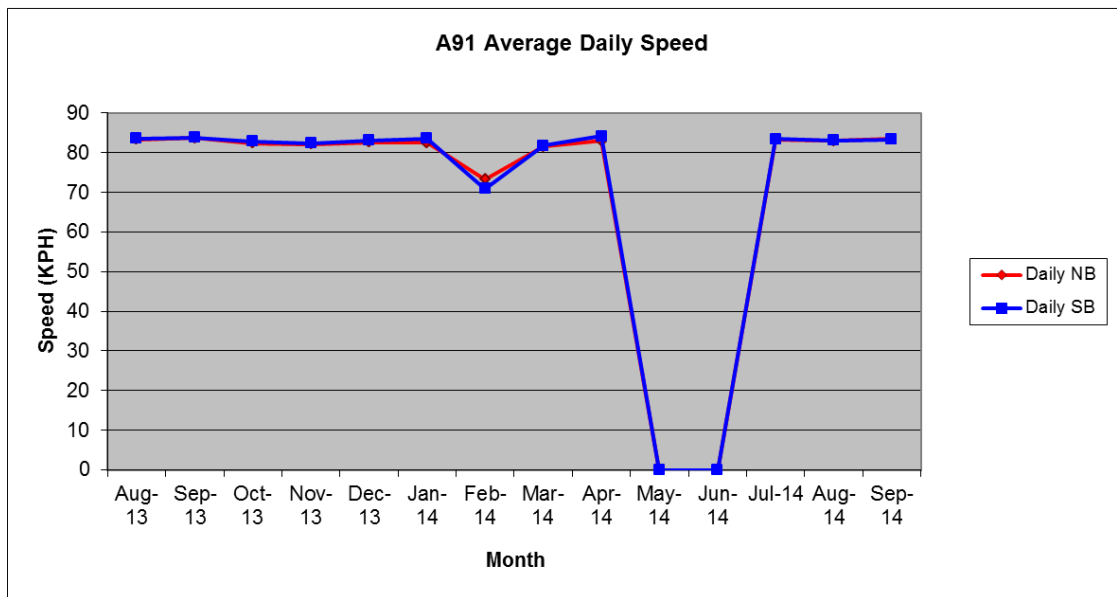


Figure 4-34 Monthly Two Way HGV Flows on the A91

#### 4.5.4 Monthly Average All Vehicles Traffic Speeds

**Table 4-20 Site: JTC00573 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB	SB
JTC00573	A91	Aug-13	83	84
		Sep-13	84	84
		Oct-13	82	83
		Nov-13	82	82
		Dec-13	83	83
		Jan-14	83	84
		Feb-14	73	71
		Mar-14	82	82
		Apr-14	83	84
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	83	83
		Aug-14	83	83
		Sep-14	83	83



**Figure 4-35 Average Monthly Traffic Speeds (KPH) on the A91**

## 4.6 Traffic Counter JTC00574 – A921 Admiralty Road (Inverkeithing)

### 4.6.1 Monthly Average Traffic Flows

Table 4-21 Site: JTC00574 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	10,523	11,150	21,674
		Aug-13	11,116	11,100	22,216
		Sep-13	10,548	10,572	21,120
		Oct-13	No Data	No Data	No Data
		Nov-13	No Data	No Data	No Data
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	10,767	10,847	21,613
		Apr-14	10,497	10,575	21,072
		May-14	9,085	9,038	18,123
		Jun-14	11,158	11,240	22,398
		Jul-14	No Data	No Data	No Data
		Aug-14	No Data	No Data	No Data
		Sep-14	No Data	No Data	No Data
		<b>Annual Average</b>			<b>10,528</b>

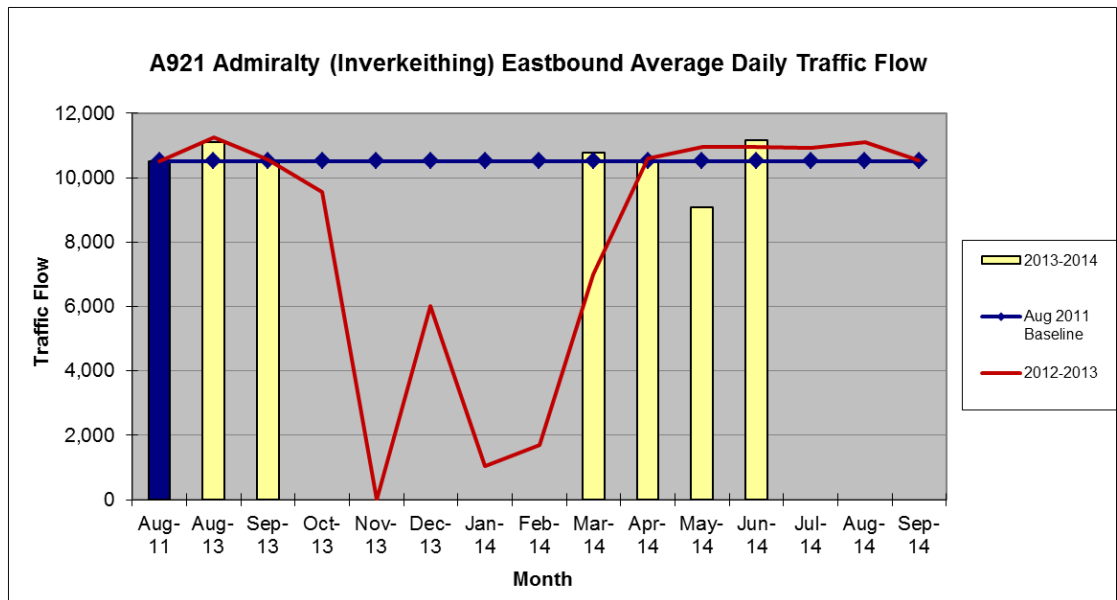


Figure 4-36 Monthly Eastbound AADTs on the A921 Admiralty Road (Inverkeithing)

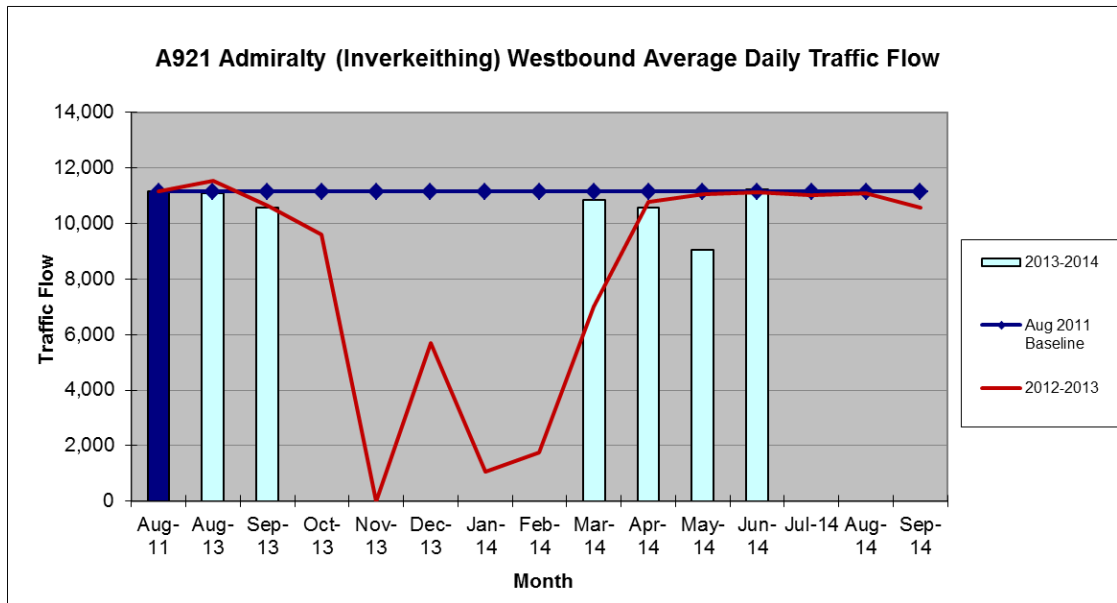


Figure 4-37 Monthly Westbound AADTs on the A921 Admiralty Road (Inverkeithing)

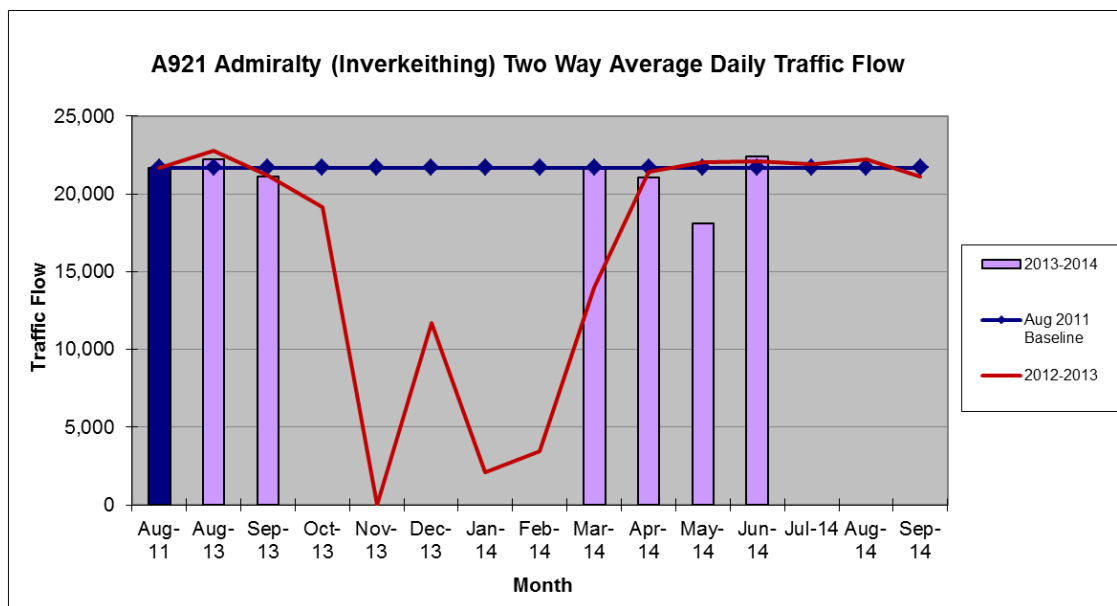
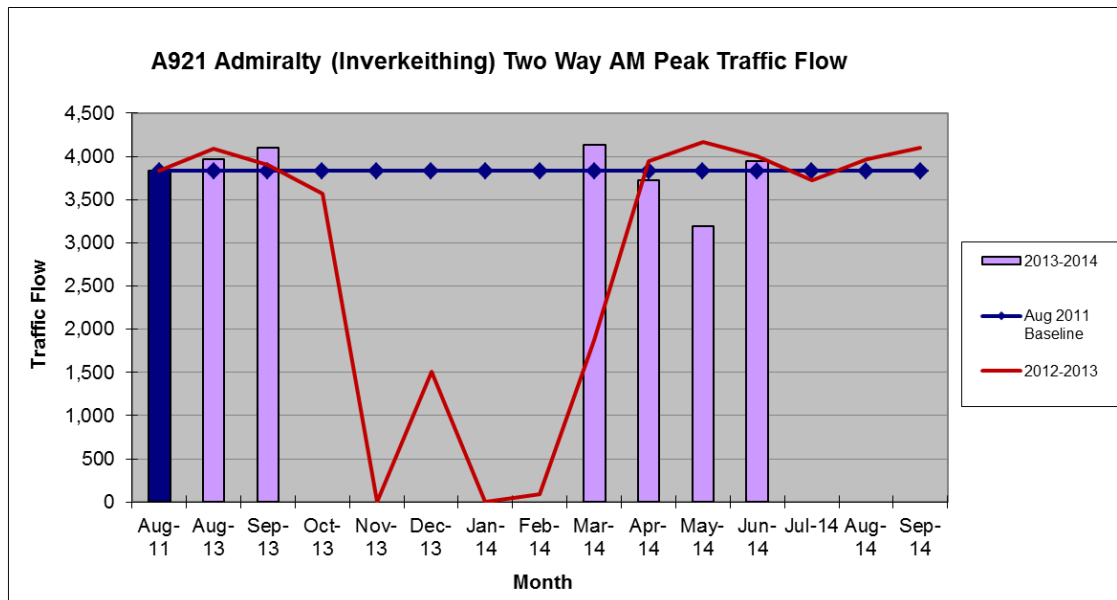


Figure 4-38 Monthly Two Way Daily Traffic Flows on the A921 Admiralty Road (Inverkeithing)

### 4.6.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-22 Site: JTC00574 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	3,829	5,153
		Aug-13	3,964	3,202
		Sep-13	4,106	1,217
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	4,129	5,111
		Apr-14	3,722	4,118
		May-14	3,189	3,188
		Jun-14	3,949	2,822
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		<b>Annual Average</b>	<b>3,843</b>	<b>3,276</b>



**Figure 4-39 Monthly Two Way AM Peak Flows on the A921 Admiralty Road (Inverkeithing)**

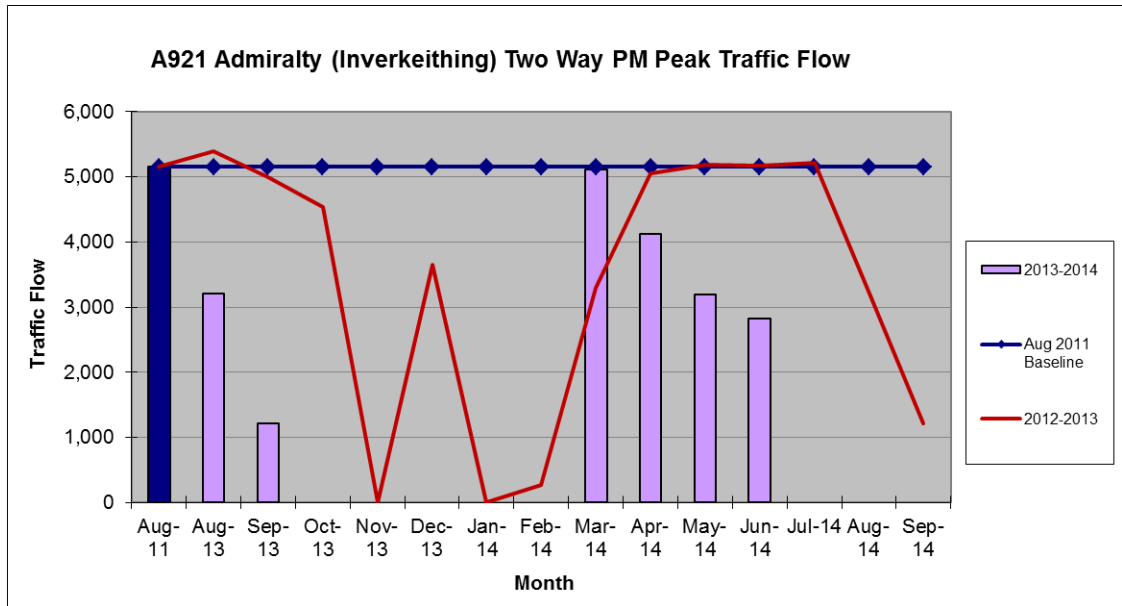


Figure 4-40 Monthly Two Way PM Peak Flows on the A921 Admiralty Road (Inverkeithing)

### 4.6.3 Monthly Average HGV Flows

Table 4-23 Site: JTC00574 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	252
		Aug-13	226
		Sep-13	218
		Oct-13	No Data
		Nov-13	No Data
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	306
		Apr-14	299
		May-14	290
		Jun-14	342
		Jul-14	No Data
		Aug-14	No Data
Sep-14	No Data		
	<b>Annual Average</b>	<b>280</b>	

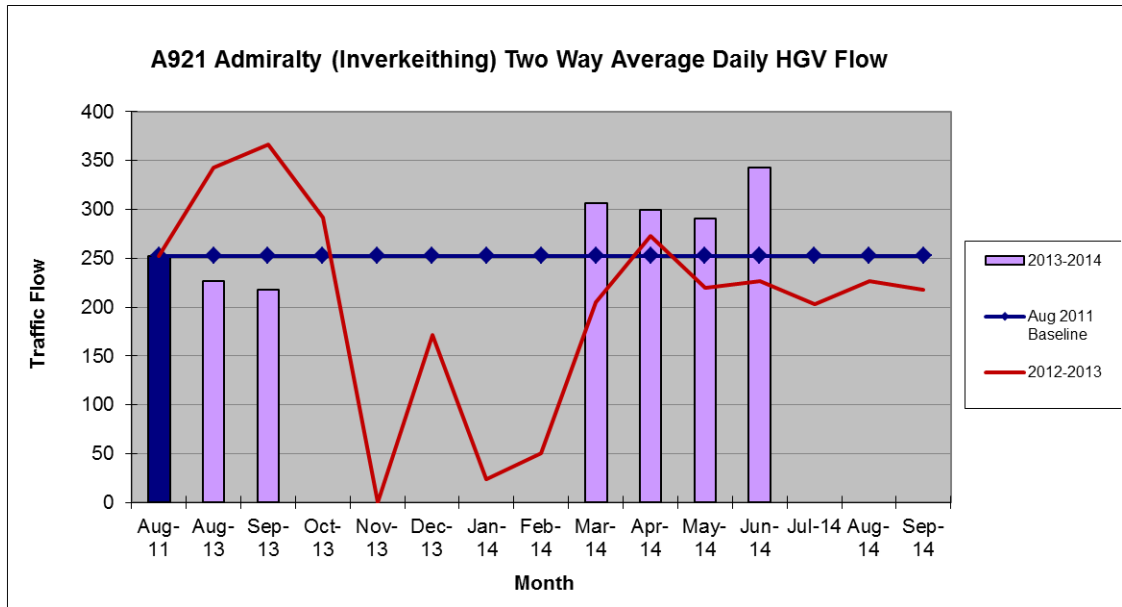


Figure 4-41 Monthly Two Way HGV Flows on the A921 Admiralty Road (Inverkeithing)

#### 4.6.4 Monthly Average All Vehicles Traffic Speeds

Table 4-24 Site: JTC00574 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-13	61	61
		Sep-13	61	61
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	61	60
		Apr-14	62	61
		May-14	61	61
		Jun-14	62	61
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data

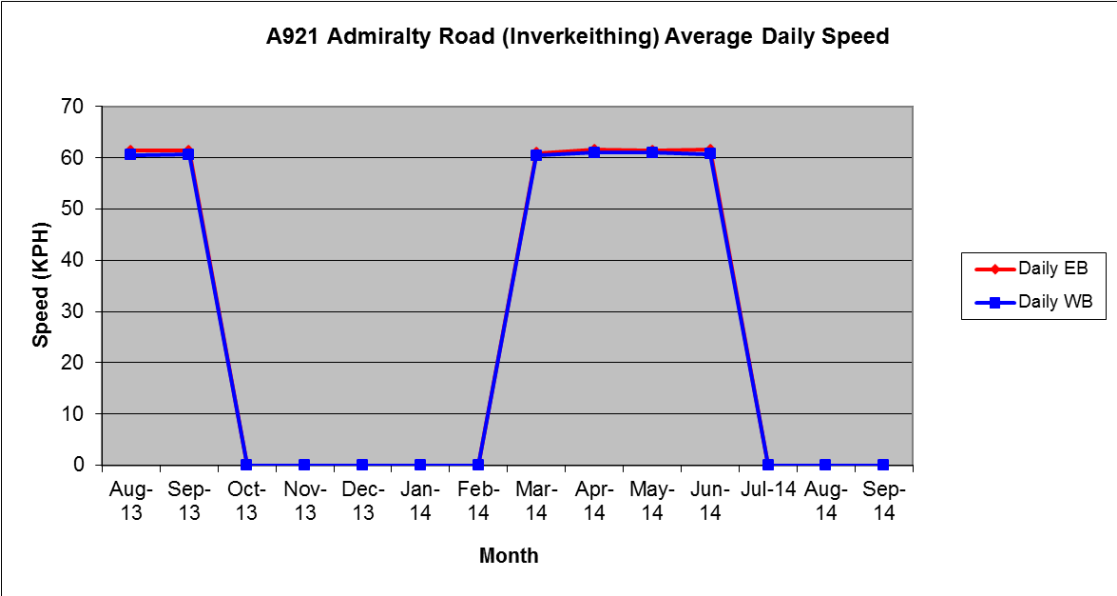


Figure 4-42 Average Monthly Traffic Speeds (KPH) on the A921 Admiralty Road (Inverkeithing)



## 4.7 Traffic Counter JTC00578 – A921 Hilton Road (Rosyth)

### 4.7.1 Monthly Average Traffic Flows

Table 3-4-25 Site: JTC00578 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	1,538	1,729	3,267
		Aug-13	1,649	1,876	3,525
		Sep-13	1,606	1,875	3,480
		Oct-13	1,591	1,840	3,431
		Nov-13	1,548	1,825	3,373
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	1,545	1,668	3,213
		Mar-14	1,615	1,920	3,534
		Apr-14	1,616	1,912	3,528
		May-14	1,642	1,948	3,590
		Jun-14	1,652	1,961	3,613
		Jul-14	1,233	1,447	2,680
		Aug-14	1,267	1,451	2,718
		Sep-14	1,580	1,882	3,462
			<b>Annual Average</b>		<b>1,570</b>

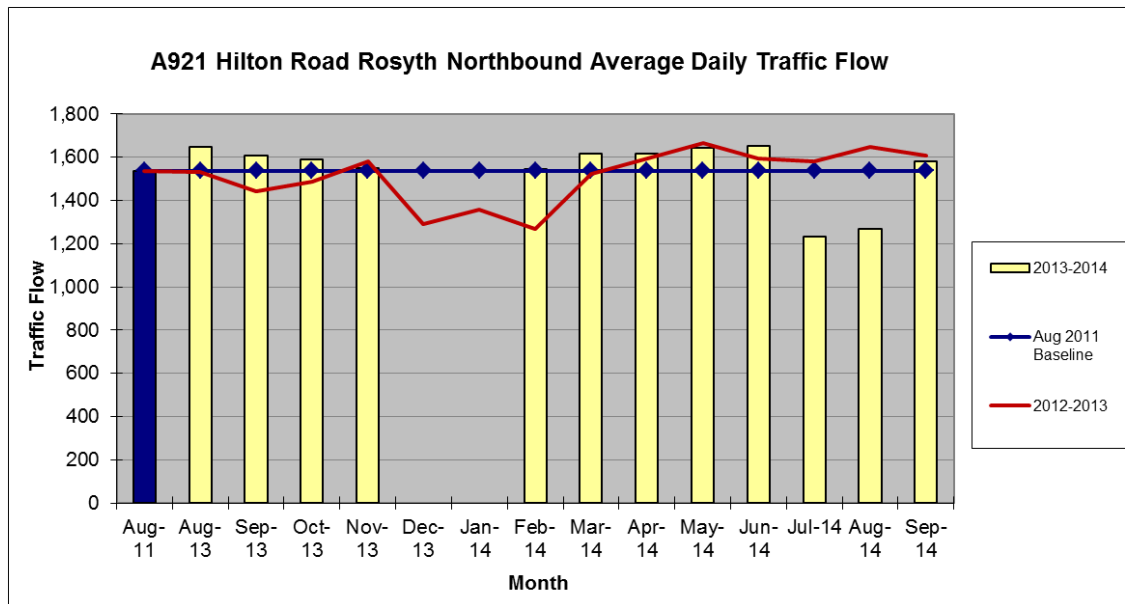


Figure 4-43 Monthly Northbound AADTs on the A921 Hilton Road (Rosyth)

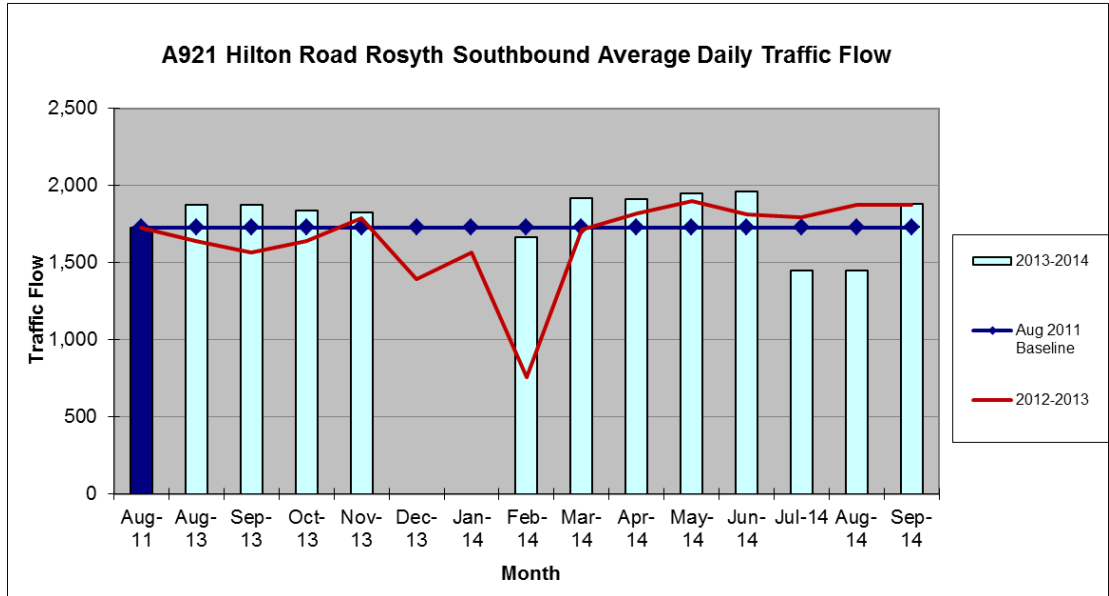


Figure 4-44 Monthly Southbound AADTs on the A921 Hilton Road (Rosyth)

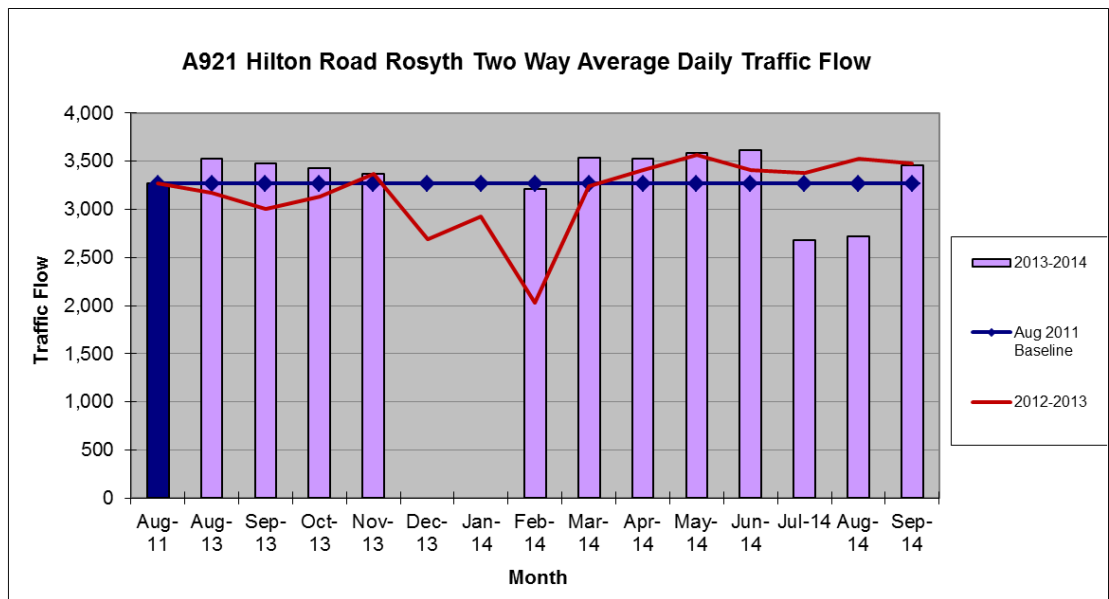
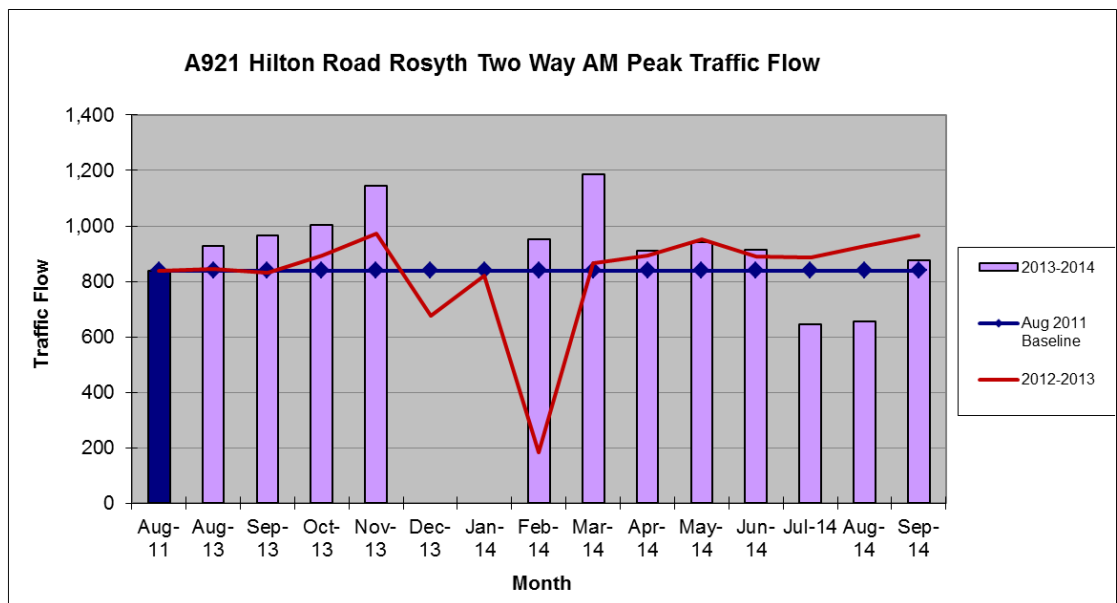


Figure 4-45 Monthly Two Way Daily Traffic Flows on the A921 Hilton Road (Rosyth)

### 4.7.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-26 Site: JTC00578 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	839	853
		Aug-13	928	893
		Sep-13	967	883
		Oct-13	1,002	868
		Nov-13	1,145	767
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	953	803
		Mar-14	1,187	807
		Apr-14	912	880
		May-14	941	858
		Jun-14	914	873
		Jul-14	644	696
		Aug-14	655	692
		Sep-14	876	873
<b>Annual Average</b>			<b>959</b>	<b>833</b>



**Figure 4-46 Monthly Two Way AM Peak Flows on the A921 Hilton Road (Rosyth)**

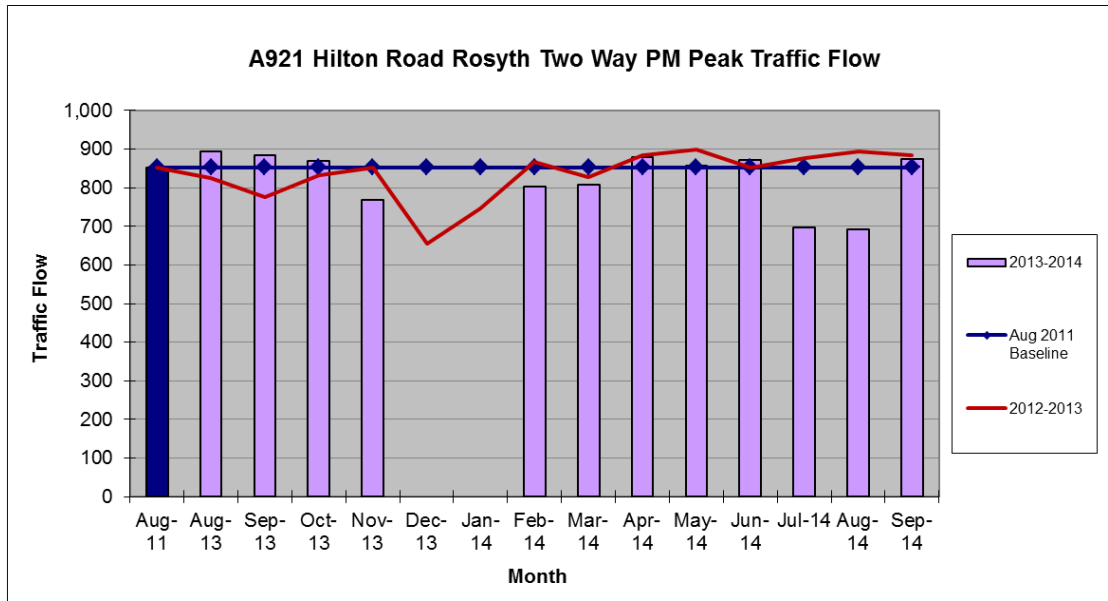


Figure 4-47 Monthly Two Way PM Peak Flows on the A921 Hilton Road (Rosyth)

### 4.7.3 Monthly Average HGV Flows

Table 4-27 Site: JTC00578 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	6
		Aug-13	12
		Sep-13	11
		Oct-13	11
		Nov-13	12
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	11
		Mar-14	12
		Apr-14	12
		May-14	13
		Jun-14	15
		Jul-14	11
		Aug-14	13
Sep-14	16		
<b>Annual Average</b>			<b>12</b>

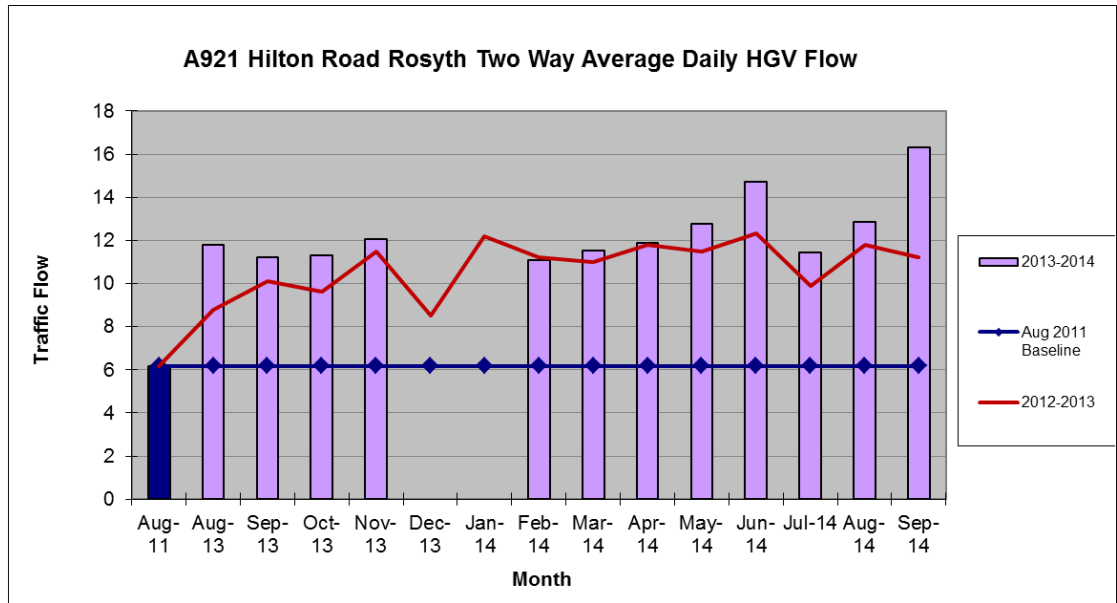


Figure 4-48 Monthly Two Way HGV Flows on the A921 Hilton Road (Rosyth)

#### 4.7.4 Monthly Average All Vehicles Traffic Speeds

Table 4-28 Site: JTC00578 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00578	A921 Hilton Road (Rosyth)	Aug-13	36	35
		Sep-13	36	35
		Oct-13	36	35
		Nov-13	36	35
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	36	36
		Mar-14	36	36
		Apr-14	37	36
		May-14	36	36
		Jun-14	36	36
		Jul-14	37	35
		Aug-14	36	35
		Sep-14	37	36

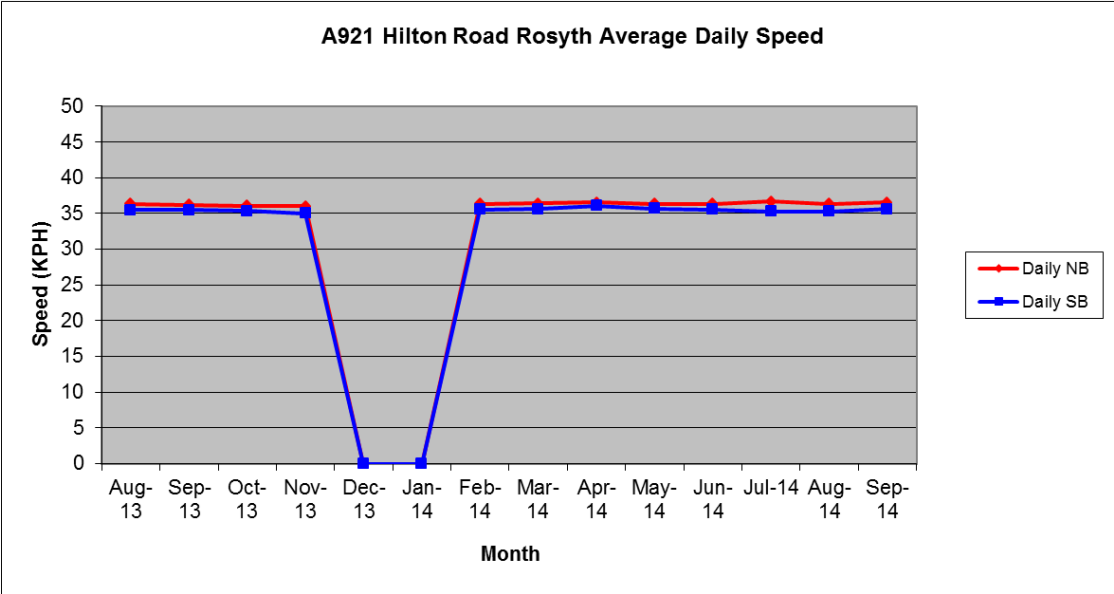


Figure 4-49 Average Monthly Traffic Speeds (KPH) on the A921 Hilton Road (Rosyth)

## 4.8 Traffic Counter JTC00584 – A907 Halbeath Road

### 4.8.1 Monthly Average Traffic Flows

Table 3-4-29 Site: JTC00584 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	11,981	11,713	23,694
		Aug-13	10,515	10,139	20,654
		Sep-13	No Data	No Data	No Data
		Oct-13	No Data	No Data	No Data
		Nov-13	No Data	No Data	No Data
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	No Data	No Data	No Data
		Apr-14	No Data	No Data	No Data
		May-14	No Data	No Data	No Data
		Jun-14	11,768	11,421	23,189
		Jul-14	11,523	11,065	22,588
		Aug-14	11,874	11,503	23,377
		Sep-14	11,896	11,482	23,377
		<b>Annual Average</b>	<b>11,269</b>	<b>10,875</b>	<b>22,144</b>

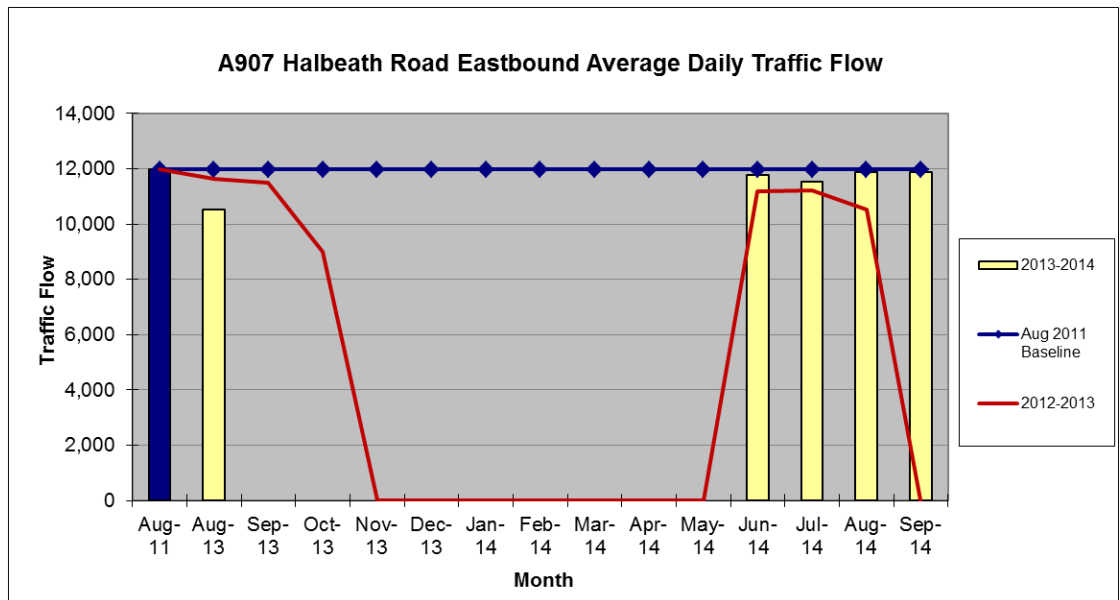


Figure 4-50 Monthly Eastbound AADTs on the A907 Halbeath Road

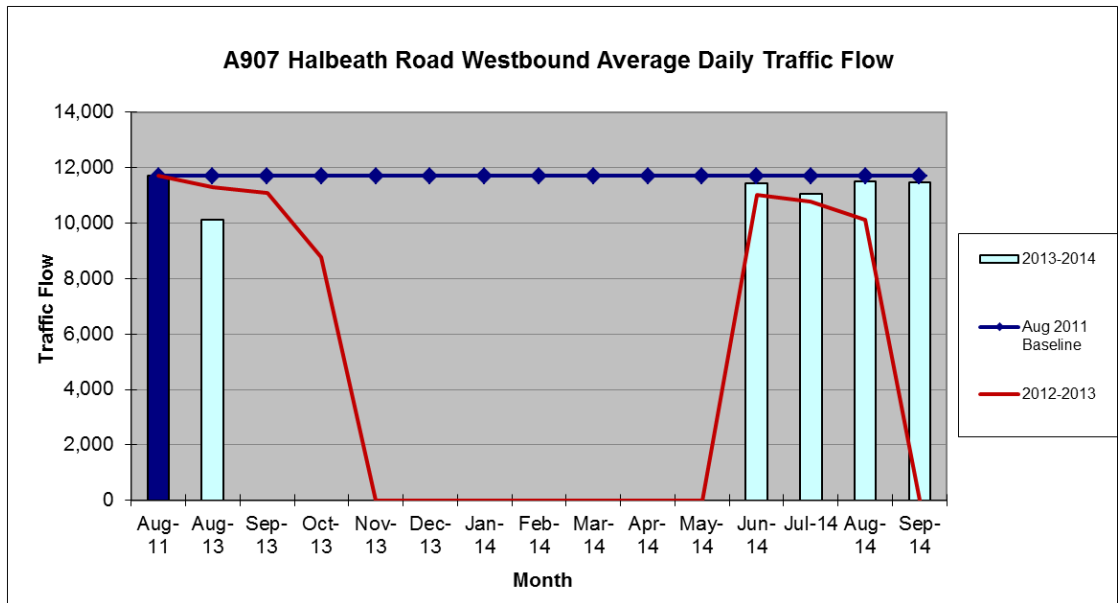


Figure 4-51 Monthly Westbound AADTs on the A907 Halbeath Road

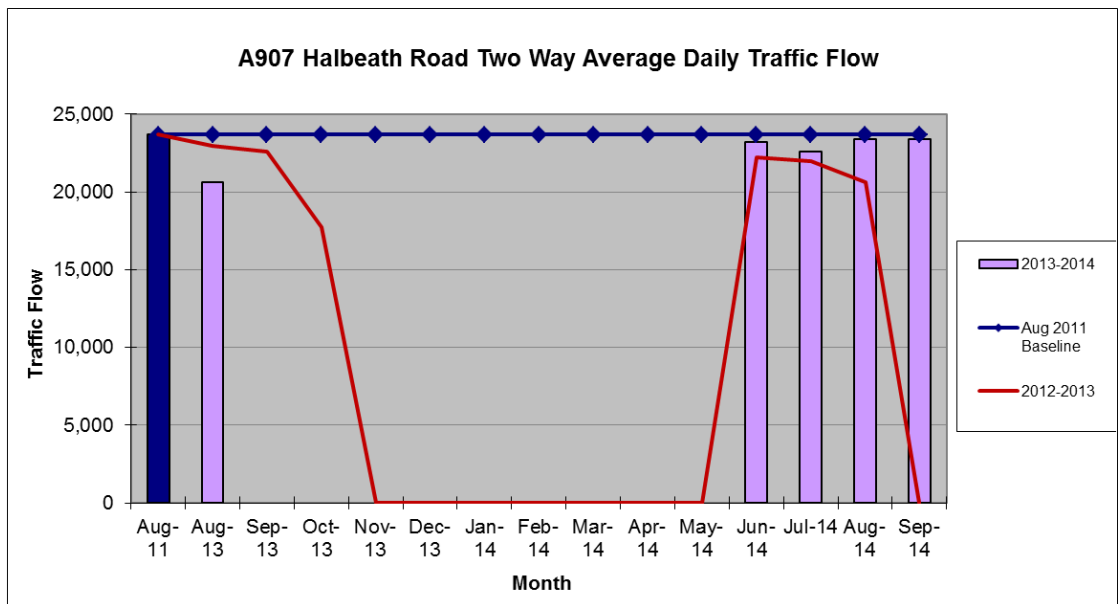


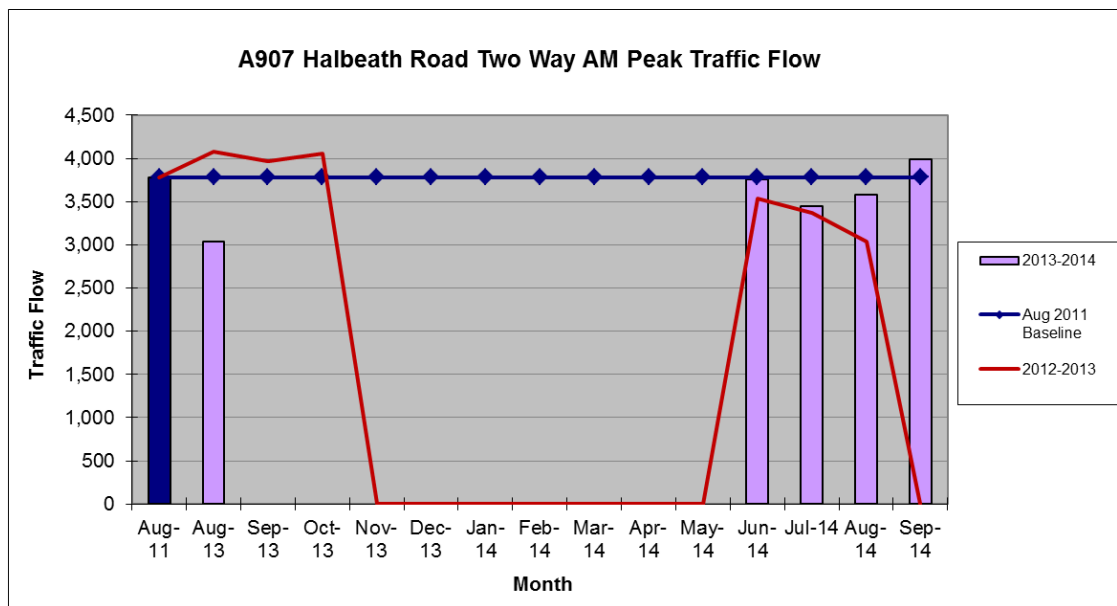
Figure 4-52 Monthly Two Way Daily Traffic Flows on the A907 Halbeath Road



### 4.8.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-30 Site: JTC00584 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00584	A907 Halbeath Road	Aug-11	3,784	5,441
		Aug-13	3,034	4,651
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	3,758	5,264
		Jul-14	3,451	5,130
		Aug-14	3,578	5,335
		Sep-14	3,989	5,453
		<b>Annual Average</b>	<b>3,451</b>	<b>5,066</b>



**Figure 4-53 Monthly Two Way AM Peak Flows on the A907 Halbeath Road**

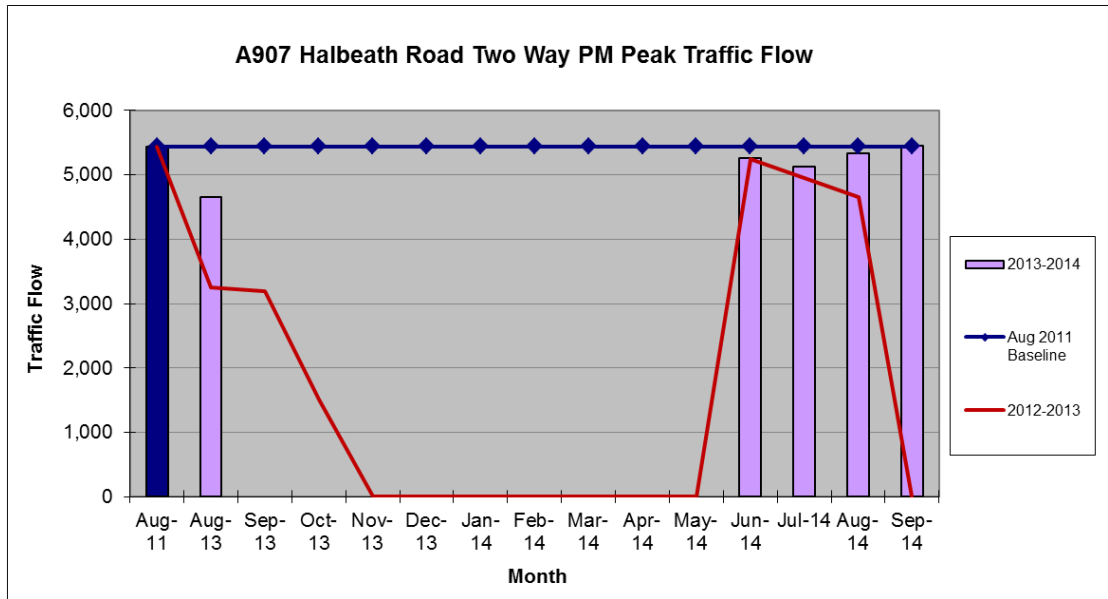


Figure 4-54 Monthly Two Way PM Peak Flows on the A907 Halbeath Road

### 4.8.3 Monthly Average HGV Flows

Table 4-31 Site: JTC00584 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00584	A907 Halbeath Road	Aug-11	268
		Aug-13	244
		Sep-13	No Data
		Oct-13	No Data
		Nov-13	No Data
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	No Data
		May-14	No Data
		Jun-14	287
		Jul-14	285
		Aug-14	285
		Sep-14	282
		<b>Annual Average</b>	<b>273</b>

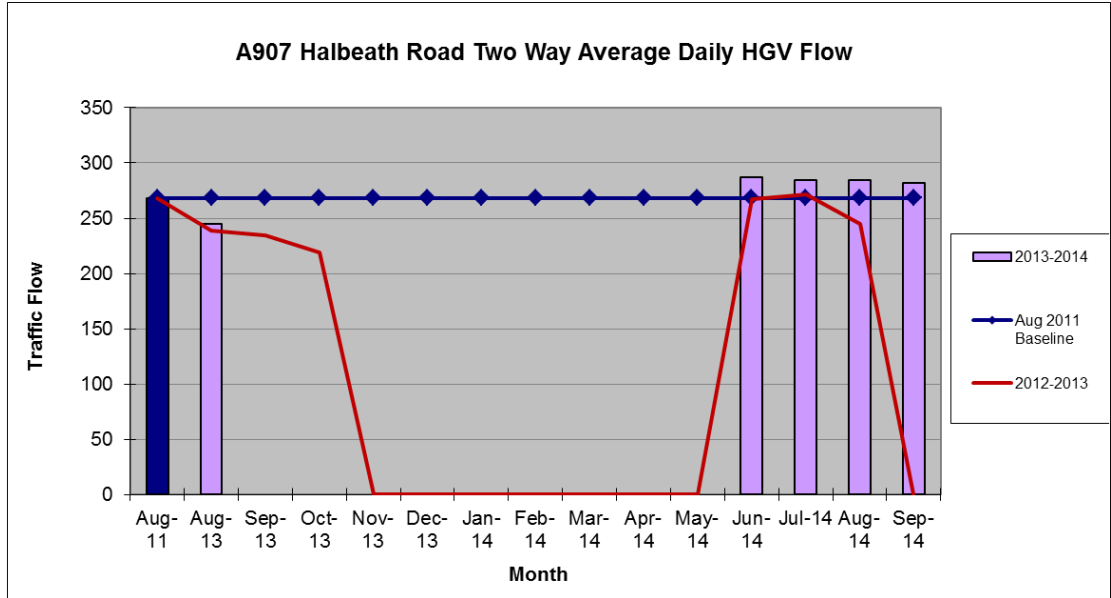


Figure 4-55 Monthly Two Way HGVS Flows on the A907 Halbeath Road

#### 4.8.4 Monthly Average All Vehicles Traffic Speeds

Table 4-32 Site: JTC00584 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00584	A907 Halbeath Road	Aug-13	52	55
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	52	55
		Jul-14	52	55
		Aug-14	52	55
		Sep-14	52	55

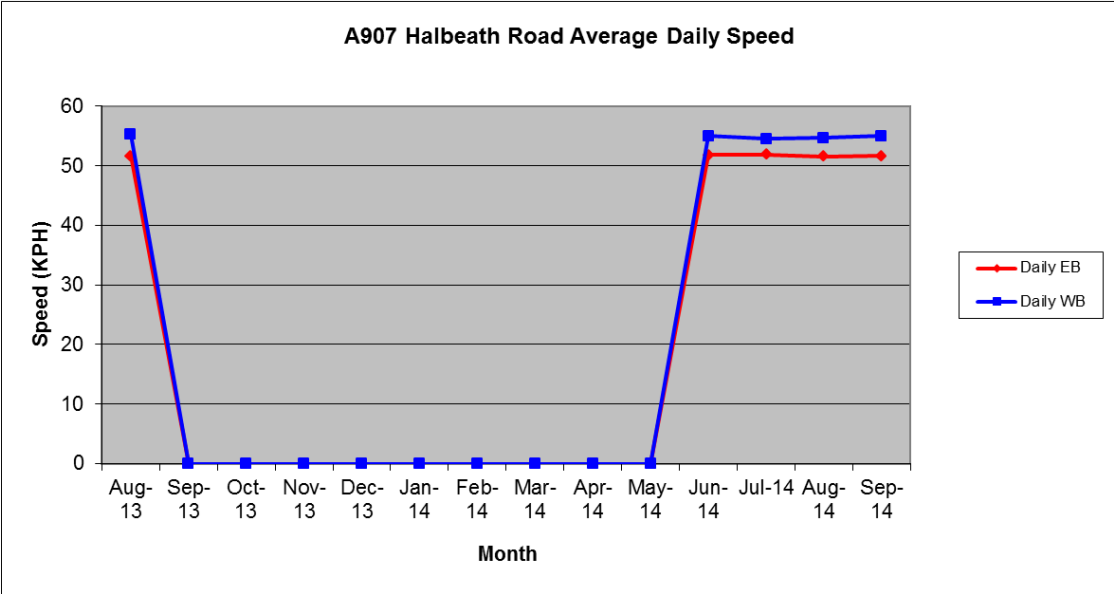


Figure 4-56 Average Monthly Traffic Speeds (KPH) on the A907 Halbeath Road

## 4.9 Traffic Counter JTC00598 – B800 Ferry Muir Road

### 4.9.1 Monthly Average Traffic Flows

Table 3-4-33 Site: JTC00598 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	7,532	7,299	14,830
		Aug-13	7,584	7,423	15,007
		Sep-13	7,178	6,946	14,123
		Oct-13	6,880	6,747	13,627
		Nov-13	6,958	7,109	14,067
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	No Data	No Data	No Data
		Apr-14	7,180	7,057	14,236
		May-14	7,446	7,285	14,731
		Jun-14	7,651	7,341	14,992
		Jul-14	7,367	7,220	14,587
		Aug-14	7,398	7,361	14,758
		Sep-14	6,796	6,745	13,541
			<b>Annual Average</b>		<b>7,280</b>

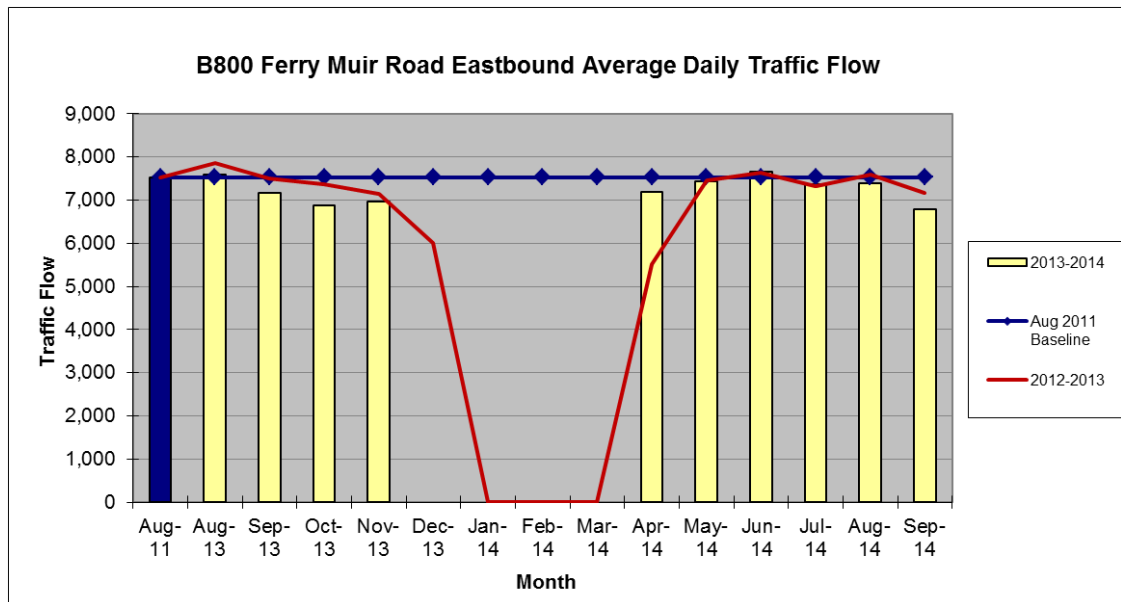


Figure 4-57 Monthly Eastbound AADTs on the B800 Ferry Muir Road

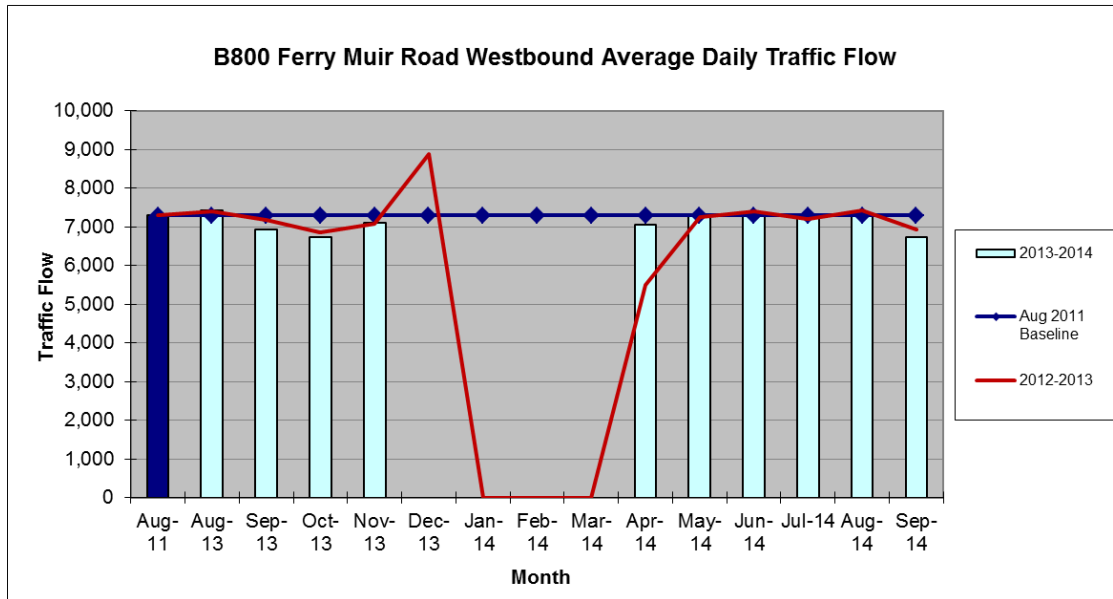


Figure 4-58 Monthly Westbound AADTs on the B800 Ferry Muir Road

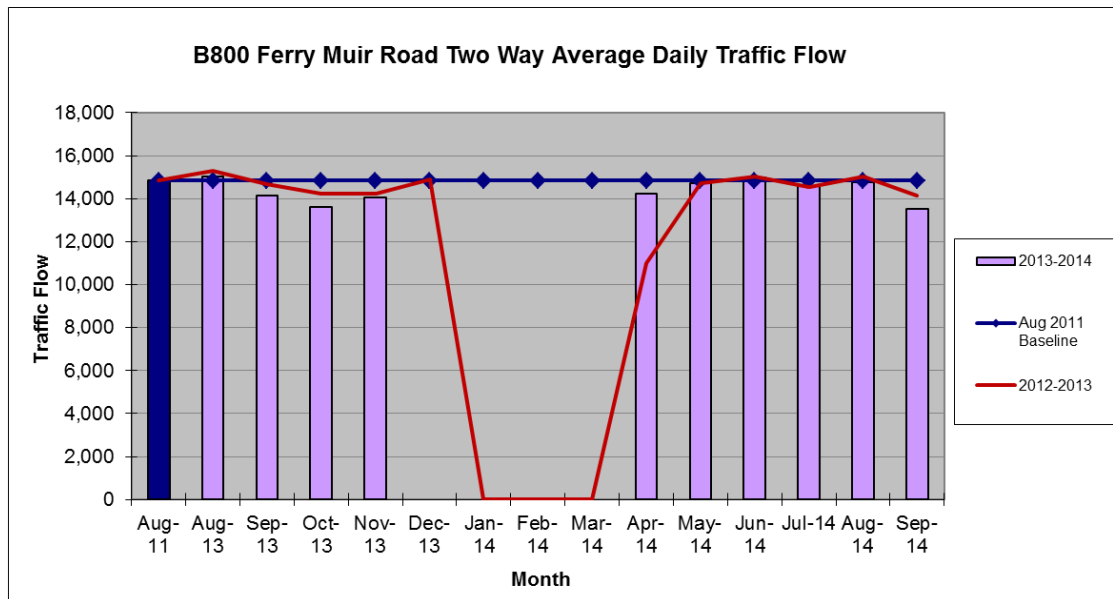
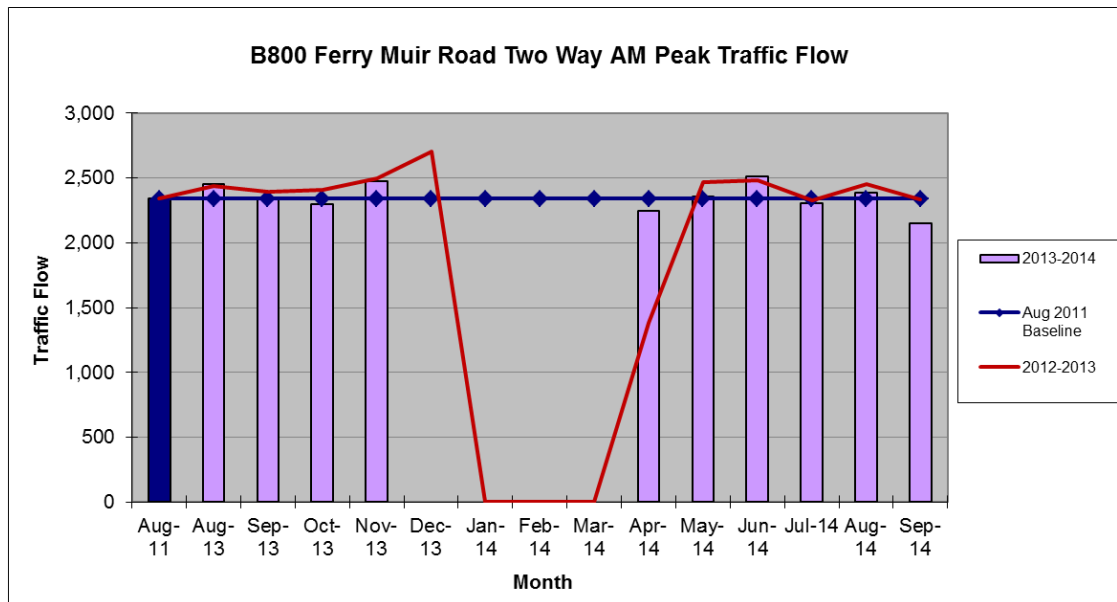


Figure 4-59 Monthly Two Way Daily Traffic Flows on the B800 Ferry Muir Road

### 4.9.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-34 Site: JTC00598 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00598	B800 Ferry Muir Road	Aug-11	2,341	3,535
		Aug-13	2,456	3,133
		Sep-13	2,335	2,963
		Oct-13	2,301	2,865
		Nov-13	2,474	3,173
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	2,247	2,872
		May-14	2,356	3,120
		Jun-14	2,512	2,982
		Jul-14	2,304	3,004
		Aug-14	2,385	3,042
		Sep-14	2,151	2,850
		<b>Annual Average</b>	<b>2,373</b>	<b>3,014</b>



**Figure 4-60 Monthly Two Way AM Peak Flows on the B800 Ferry Muir Road**

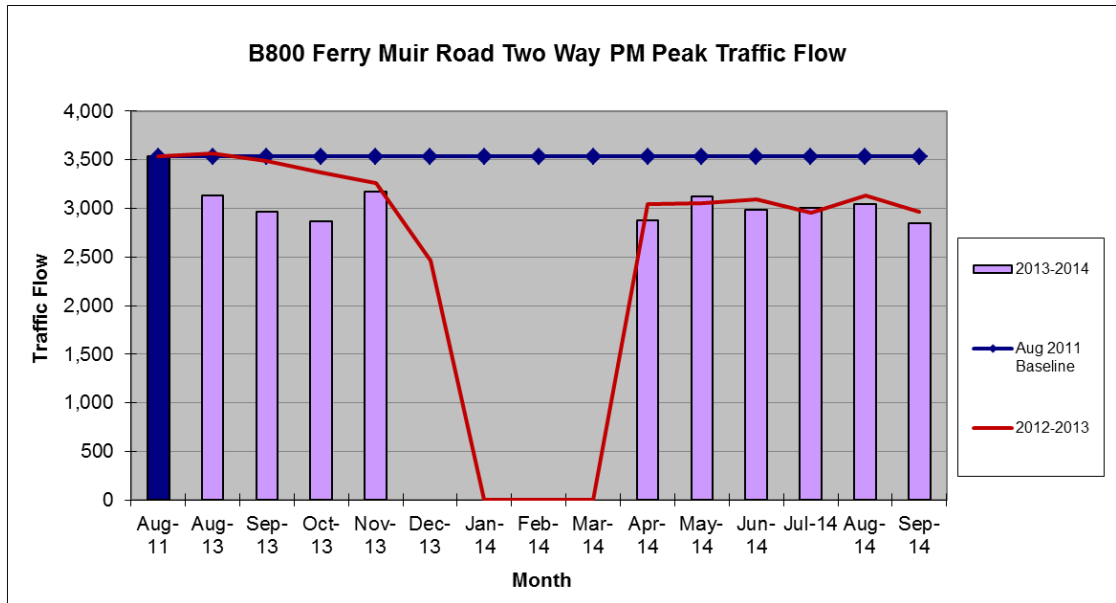


Figure 4-61 Monthly Two Way PM Peak Flows on the B800 Ferry Muir Road

### 4.9.3 Monthly Average HGV Flows

Table 4-35 Site: JTC00598 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	219
		Aug-13	172
		Sep-13	159
		Oct-13	149
		Nov-13	140
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	147
		May-14	95
		Jun-14	97
		Jul-14	97
		Aug-14	109
		Sep-14	92
	<b>Annual Average</b>	<b>132</b>	



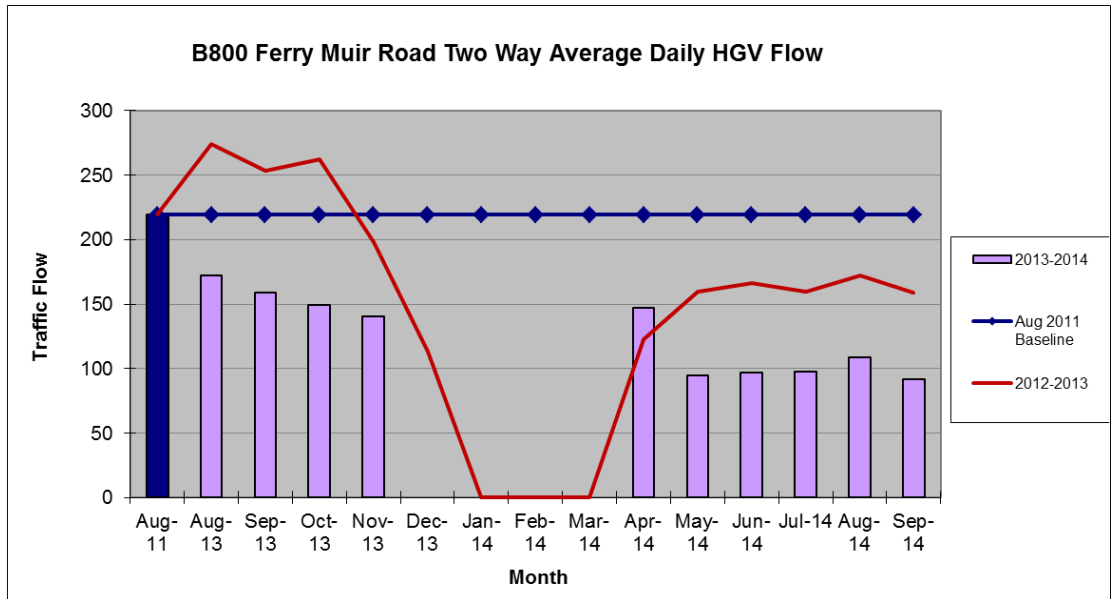


Figure 4-62 Monthly Two Way HGV Flows on the B800 Ferry Muir Road

#### 4.9.4 Monthly Average All Vehicles Traffic Speeds

Table 4-36 Site: JTC00598 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00598	B800 Ferry Muir Road	Aug-13	56	49
		Sep-13	56	49
		Oct-13	56	49
		Nov-13	55	48
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	56	49
		May-14	56	49
		Jun-14	56	49
		Jul-14	56	49
		Aug-14	56	48
		Sep-14	56	48

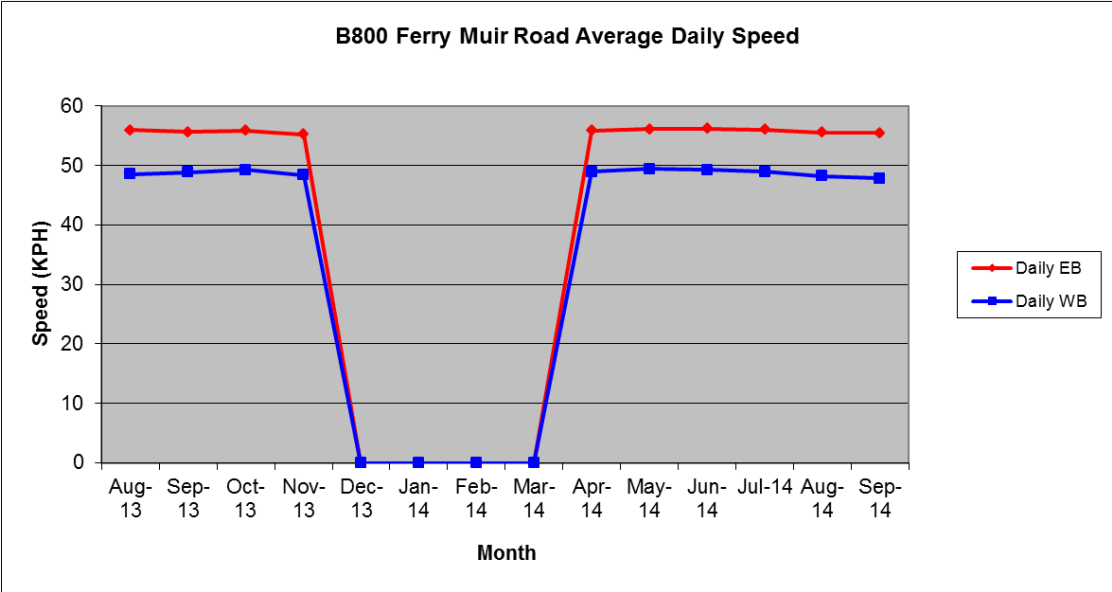


Figure 4-63 Average Monthly Traffic Speeds (KPH) on the B800 Ferry Muir Road

### 4.10 Traffic Counter JTC00602 – A89

#### 4.10.1 Monthly Average Traffic Flows

Table 3-4-37 Site: JTC00602 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89 Edinburgh Road (West of Newbridge)	Aug-11	8,332	8,102	16,434
		Aug-13	8,367	7,862	16,229
		Sep-13	7,729	7,361	15,090
		Oct-13	7,983	7,678	15,661
		Nov-13	7,647	7,345	14,993
		Dec-13	6,954	6,740	13,693
		Jan-14	7,593	7,298	14,891
		Feb-14	8,112	7,765	15,877
		Mar-14	7,976	7,656	15,632
		Apr-14	7,957	7,849	15,806
		May-14	8,434	7,987	16,421
		Jun-14	8,252	8,006	16,259
		Jul-14	7,733	7,483	15,216
		Aug-14	8,143	7,858	16,001
		Sep-14	8,221	7,939	16,160
			<b>Annual Average</b>		<b>7,895</b>

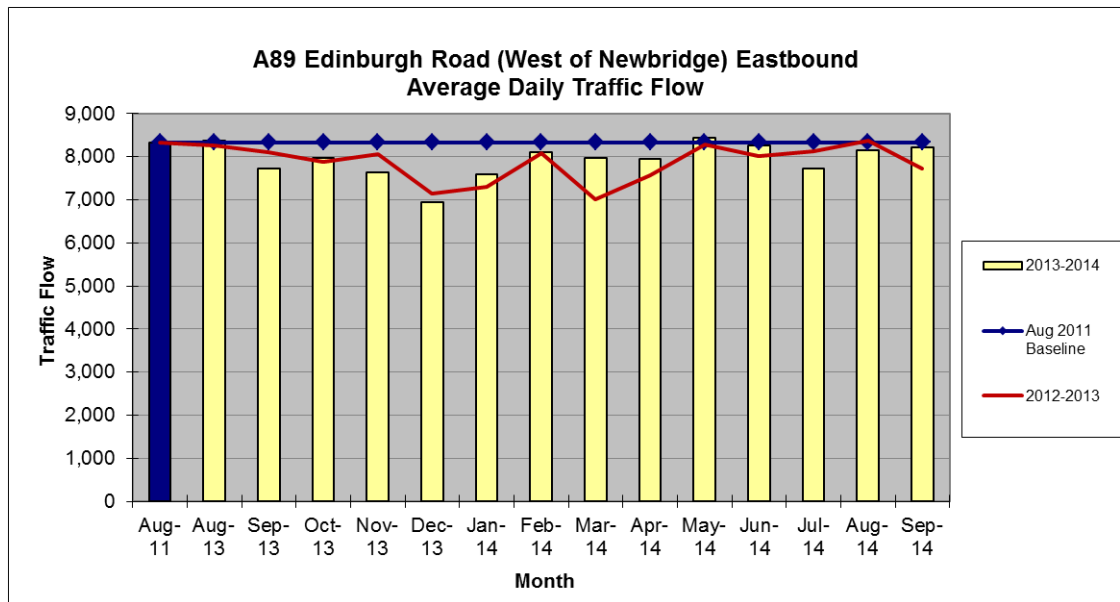


Figure 4-64 Monthly Eastbound AADTs on the A89 Edinburgh Road (West of Newbridge)

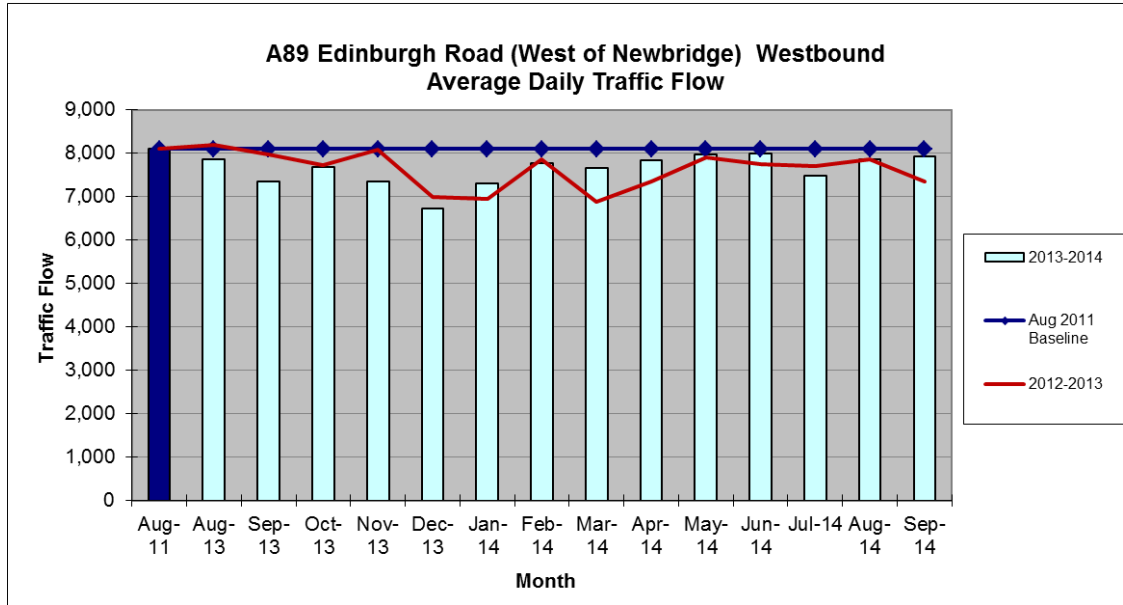


Figure 4-65 Monthly Westbound AADTs on the A89 Edinburgh Road (West of Newbridge)

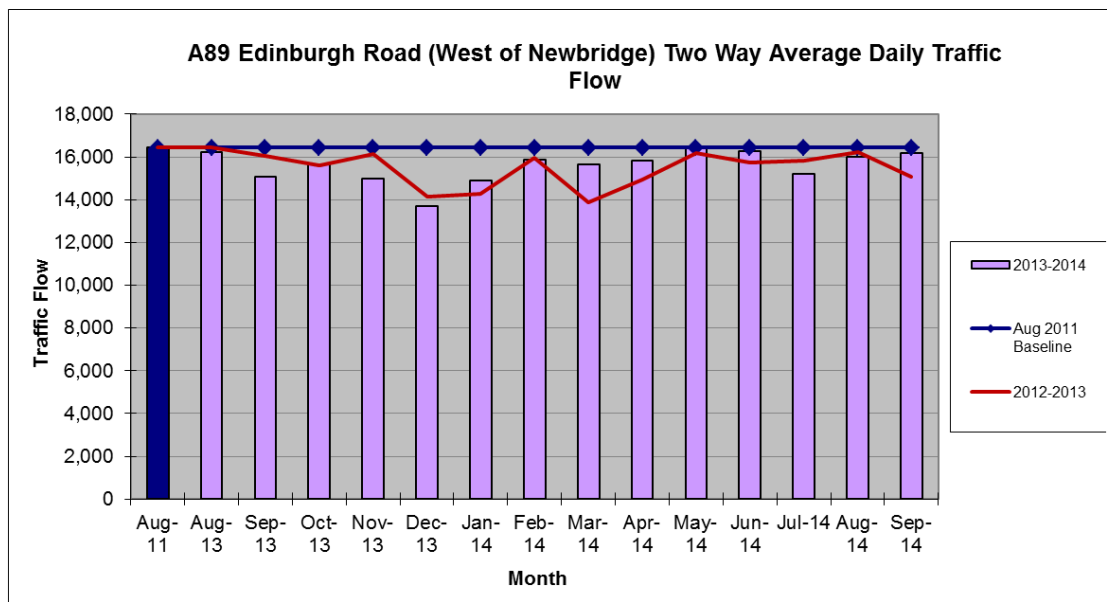
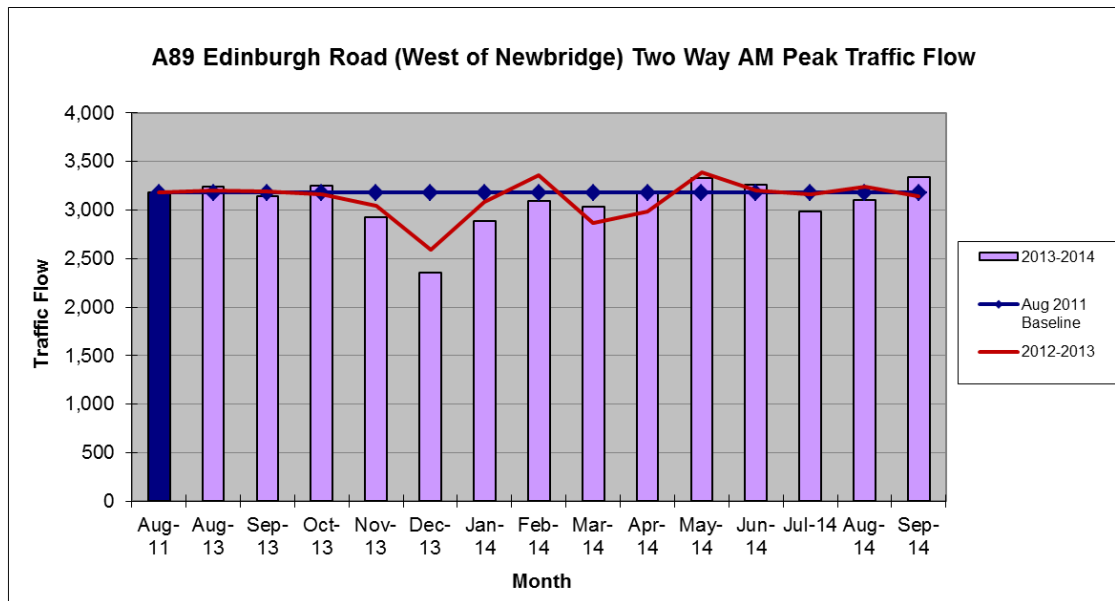


Figure 4-66 Monthly Two Way Daily Traffic Flows on the A89 Edinburgh Road (West of Newbridge)

### 4.10.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-38 Site: JTC00602 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00602	A89 Edinburgh Road (West of Newbridge)	Aug-11	3,181	3,762
		Aug-13	3,237	3,591
		Sep-13	3,141	3,318
		Oct-13	3,247	3,574
		Nov-13	2,927	3,477
		Dec-13	2,352	3,136
		Jan-14	2,883	3,571
		Feb-14	3,090	3,803
		Mar-14	3,034	3,657
		Apr-14	3,194	3,429
		May-14	3,330	3,515
		Jun-14	3,263	3,592
		Jul-14	2,986	3,363
		Aug-14	3,105	3,494
Sep-14	3,337	3,611		
		<b>Annual Average</b>	<b>3,057</b>	<b>3,502</b>



**Figure 4-67 Monthly Two Way AM Peak Flows on the A89 Edinburgh Road (West of Newbridge)**

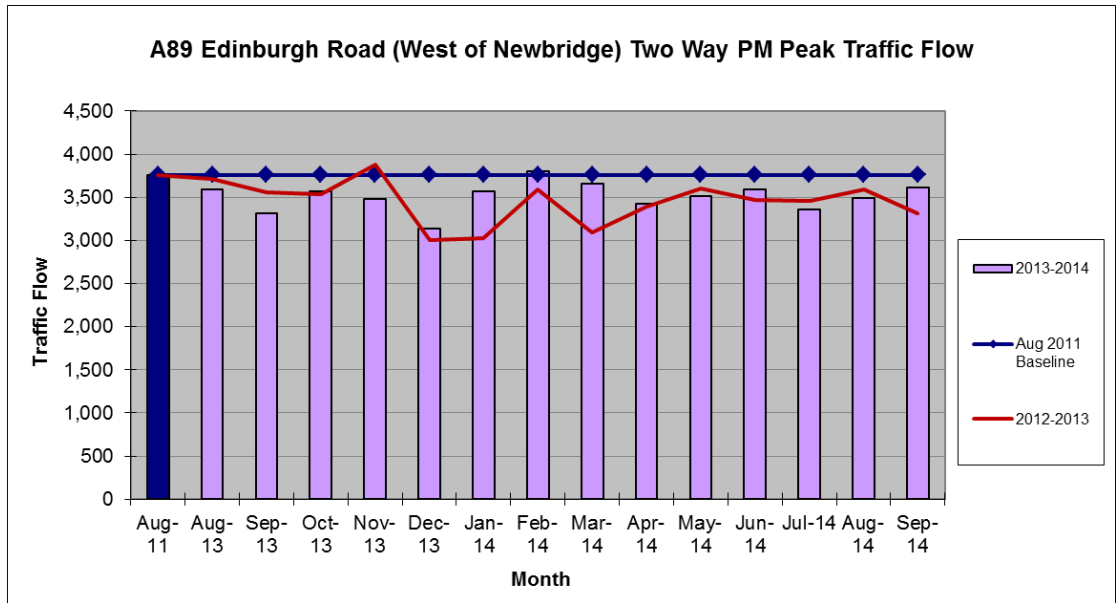


Figure 4-68 Monthly Two Way PM Peak Flows on the A89 Edinburgh Road (West of Newbridge)

### 4.10.3 Monthly Average HGV Flows

Table 4-39 Site: JTC00602 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00602	A89 Edinburgh Road (West of Newbridge)	Aug-11	384
		Aug-13	347
		Sep-13	346
		Oct-13	349
		Nov-13	339
		Dec-13	278
		Jan-14	327
		Feb-14	339
		Mar-14	327
		Apr-14	362
		May-14	380
		Jun-14	374
		Jul-14	364
		Aug-14	361
Sep-14	389		
	<b>Annual Average</b>	<b>344</b>	

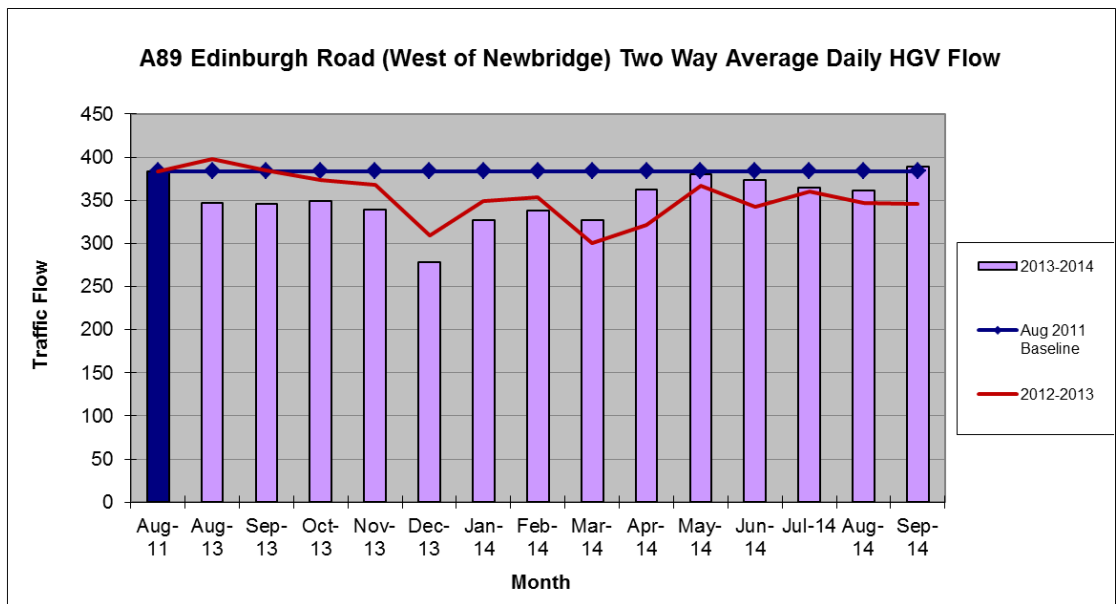


Figure 4-69 Monthly Two Way HGVS Flows on the A89 Edinburgh Road (West of Newbridge)

#### 4.10.4 Monthly Average All Vehicles Traffic Speeds

Table 4-40 Site: JTC00602 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00602	A89 Edinburgh Road (West of Newbridge)	Aug-13	61	68
		Sep-13	61	67
		Oct-13	61	67
		Nov-13	60	66
		Dec-13	60	66
		Jan-14	60	66
		Feb-14	61	66
		Mar-14	61	67
		Apr-14	61	68
		May-14	60	68
		Jun-14	61	67
		Jul-14	61	68
		Aug-14	61	67
		Sep-14	61	67

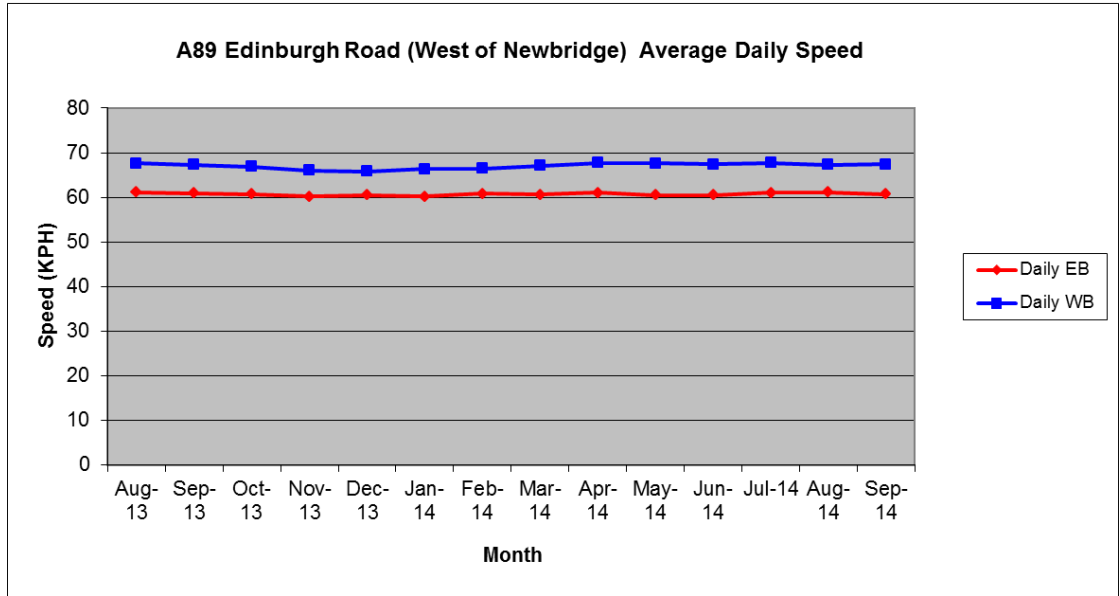


Figure 4-70 Average Monthly Traffic Speeds (KPH) on the A89 Edinburgh Road (West of Newbridge)



### 4.11 Traffic Counter JTC00604 – A71 Riccarton

#### 4.11.1 Monthly Average Traffic Flows

Table 3-4-41 Site: JTC00604 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Riccarton	Aug-11	8,559	7,874	16,434
		Aug-13	8,447	7,630	16,076
		Sep-13	8,217	7,600	15,817
		Oct-13	8,190	7,436	15,626
		Nov-13	8,252	7,468	15,720
		Dec-13	7,492	6,707	14,198
		Jan-14	6,915	6,418	13,333
		Feb-14	5,721	5,403	11,125
		Mar-14	7,484	6,796	14,280
		Apr-14	7,675	6,972	14,647
		May-14	8,316	7,654	15,970
		Jun-14	8,456	7,588	16,044
		Jul-14	7,591	6,969	14,560
		Aug-14	8,130	7,402	15,531
		Sep-14	8,331	7,595	15,926
		<b>Annual Average</b>	<b>7,730</b>	<b>7,053</b>	<b>14,783</b>

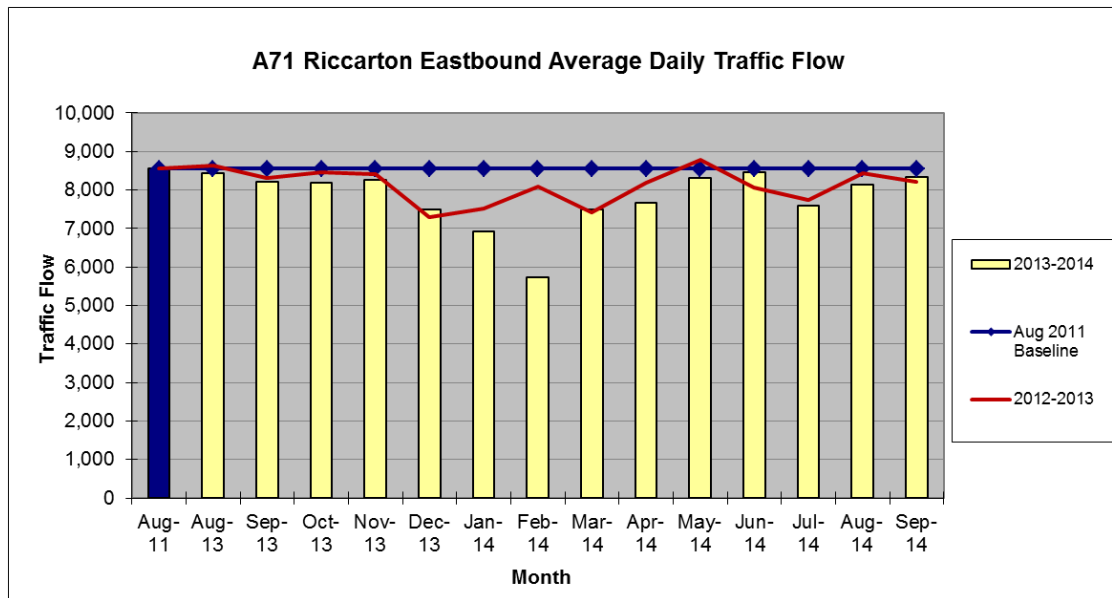


Figure 4-71 Monthly Eastbound AADTs on the A71 Riccarton

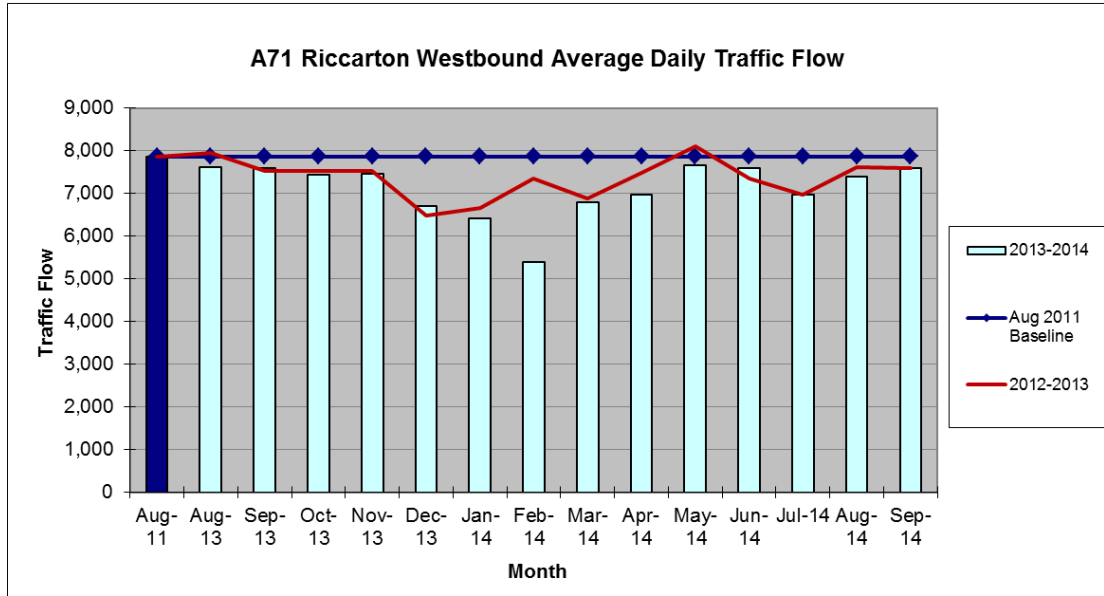


Figure 4-72 Monthly Westbound AADTs on the A71 Riccarton

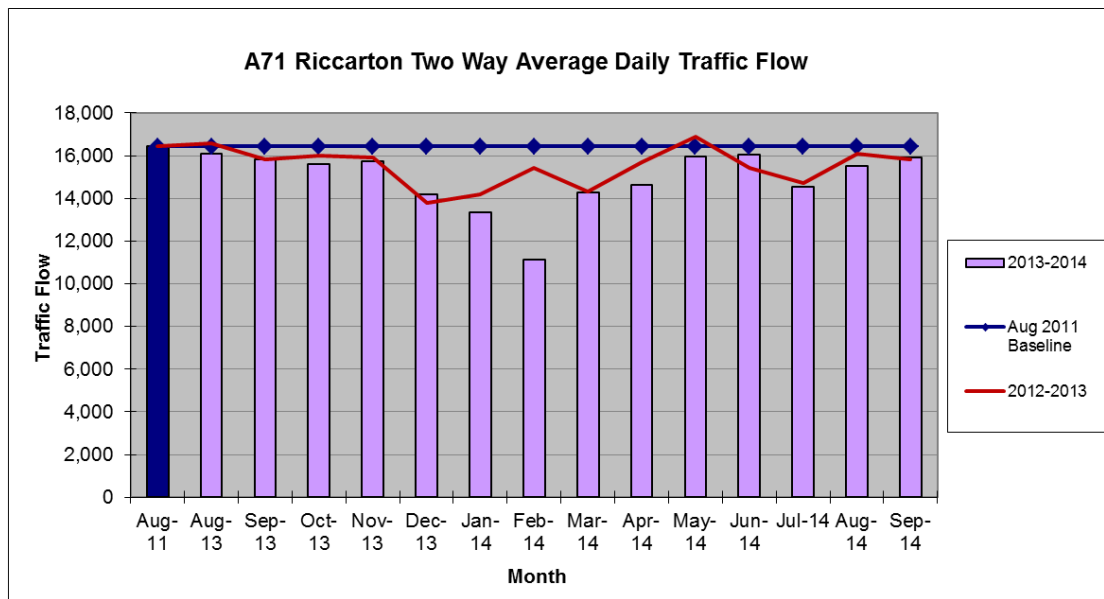
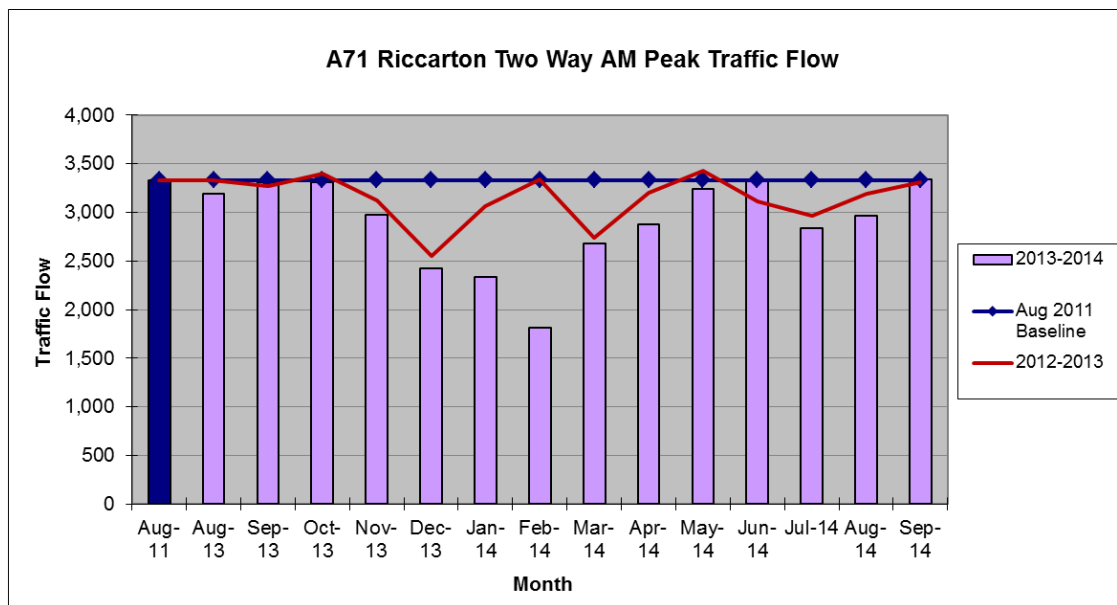


Figure 4-73 Monthly Two Way Daily Traffic Flows on the A71 Riccarton

### 4.11.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-42 Site: JTC00604 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00604	A71 Riccarton	Aug-11	3,332	4,258
		Aug-13	3,194	4,118
		Sep-13	3,312	4,039
		Oct-13	3,311	4,099
		Nov-13	2,971	4,118
		Dec-13	2,421	3,558
		Jan-14	2,339	3,809
		Feb-14	1,813	3,322
		Mar-14	2,684	3,759
		Apr-14	2,882	3,816
		May-14	3,239	4,038
		Jun-14	3,315	4,067
		Jul-14	2,833	3,709
		Aug-14	2,966	3,986
		Sep-14	3,340	4,199
		<b>Annual Average</b>	<b>2,860</b>	<b>3,871</b>



**Figure 4-74 Monthly Two Way AM Peak Flows on the A71 Riccarton**

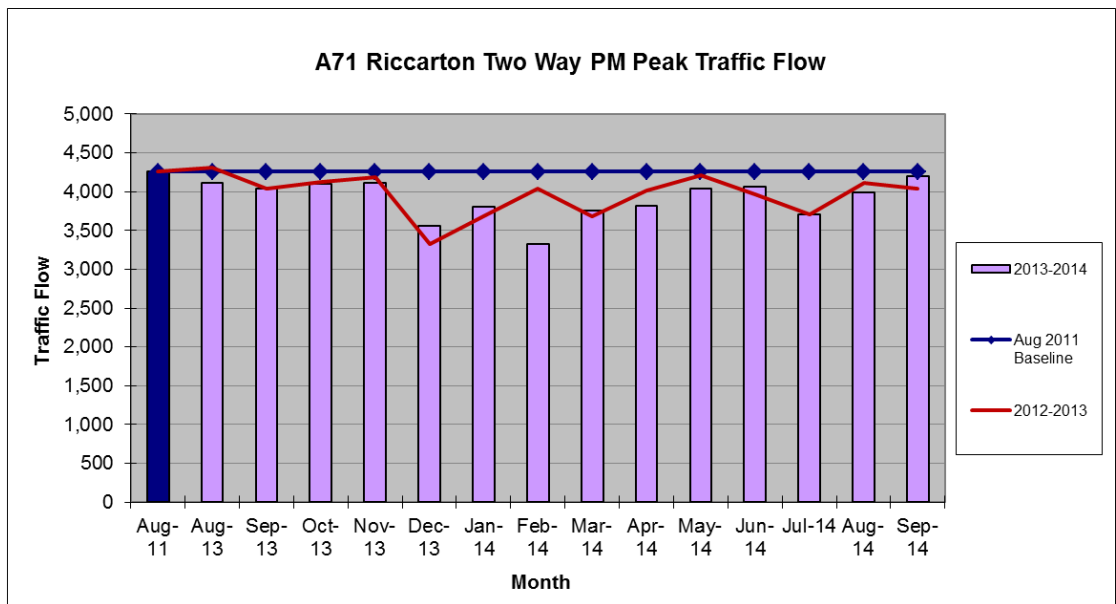


Figure 4-75 Monthly Two Way PM Peak Flows on the A71 Riccarton

### 4.11.3 Monthly Average HGV Flows

Table 4-43 Site: JTC00604 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00604	A71 Riccarton	Aug-11	230
		Aug-13	227
		Sep-13	228
		Oct-13	227
		Nov-13	222
		Dec-13	190
		Jan-14	183
		Feb-14	158
		Mar-14	194
		Apr-14	218
		May-14	223
		Jun-14	226
		Jul-14	208
		Aug-14	218
Sep-14	234		
	<b>Annual Average</b>	<b>209</b>	

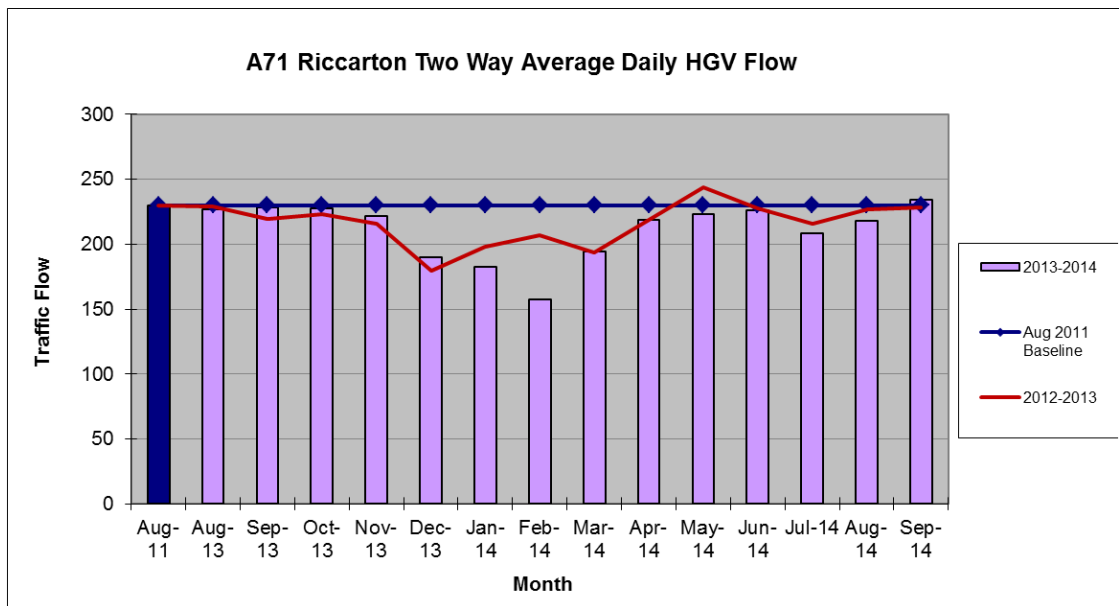


Figure 4-76 Monthly Two Way HGV Flows on the A71 Riccarton

#### 4.11.4 Monthly Average All Vehicles Traffic Speeds

Table 4-44 Site: JTC00604 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00604	A71 Riccarton	Aug-13	67	69
		Sep-13	66	69
		Oct-13	66	69
		Nov-13	65	68
		Dec-13	66	69
		Jan-14	66	69
		Feb-14	66	69
		Mar-14	67	70
		Apr-14	67	70
		May-14	67	70
		Jun-14	67	70
		Jul-14	67	70
		Aug-14	67	70
Sep-14	67	70		

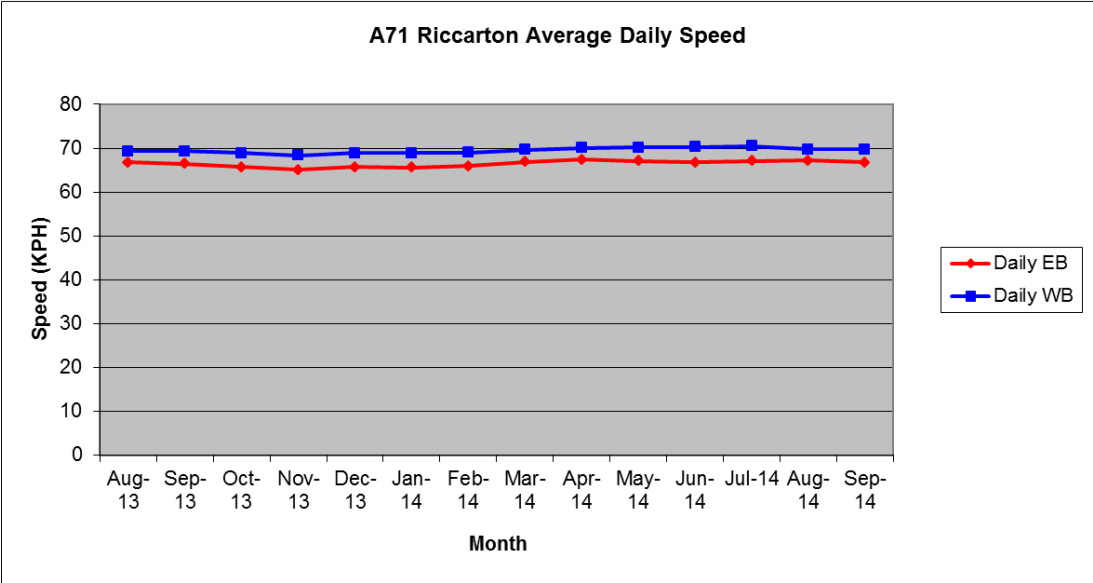


Figure 4-77 Average Monthly Traffic Speeds (KPH) on the A71 Riccarton

## 4.12 Traffic Counter JTC00606 – A985 Kincardine Bridge

### 4.12.1 Monthly Average Traffic Flows

Table 4-45 Site: JTC00606 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00606	A985 Kincardine Bridge	Aug-11	6,141	5,833	11,974
		Aug-13	6,952	6,576	13,528
		Sep-13	6,627	6,244	12,871
		Oct-13	6,589	6,130	12,720
		Nov-13	6,440	6,055	12,496
		Dec-13	5,739	5,370	11,109
		Jan-14	5,463	5,089	10,552
		Feb-14	No Data	No Data	No Data
		Mar-14	No Data	No Data	No Data
		Apr-14	6,585	6,055	12,640
		May-14	6,910	6,516	13,426
		Jun-14	6,931	6,454	13,385
		Jul-14	6,958	6,464	13,422
		Aug-14	7,079	6,562	13,641
		Sep-14	7,113	6,638	13,752
			<b>Annual Average</b>		<b>6,520</b>

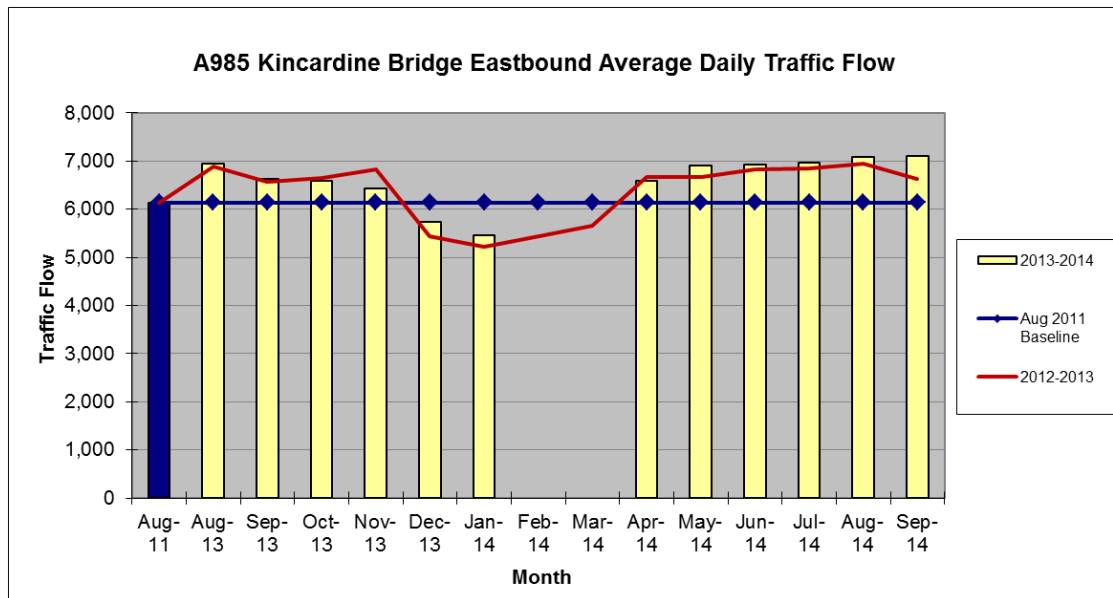


Figure 4-78 Monthly Eastbound AADTs on the A985 Kincardine Bridge

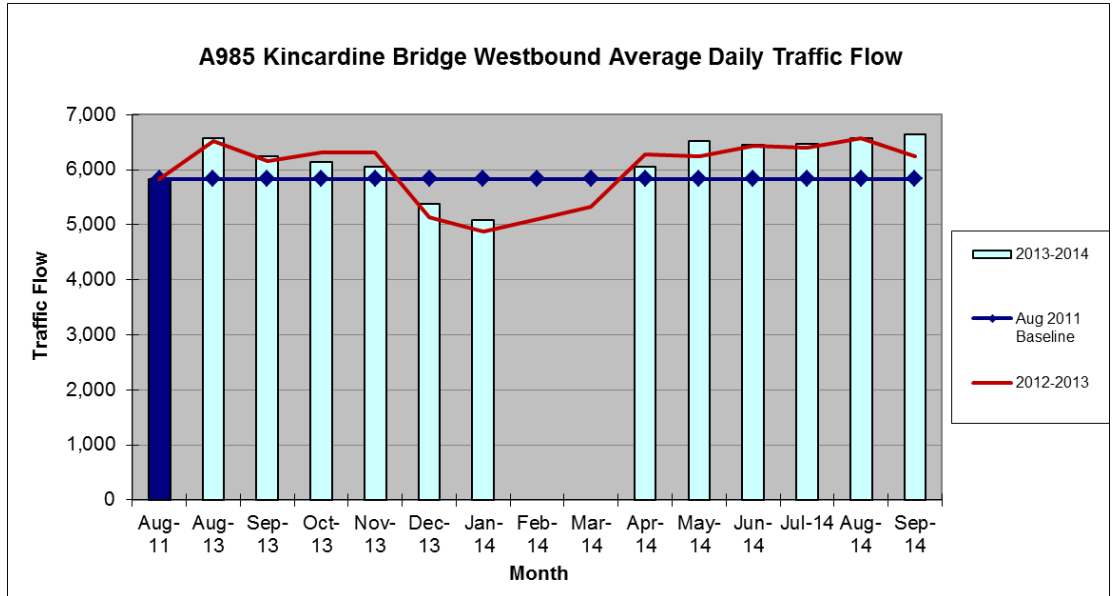


Figure 4-79 Monthly Westbound AADTs on the A985 Kincardine Bridge

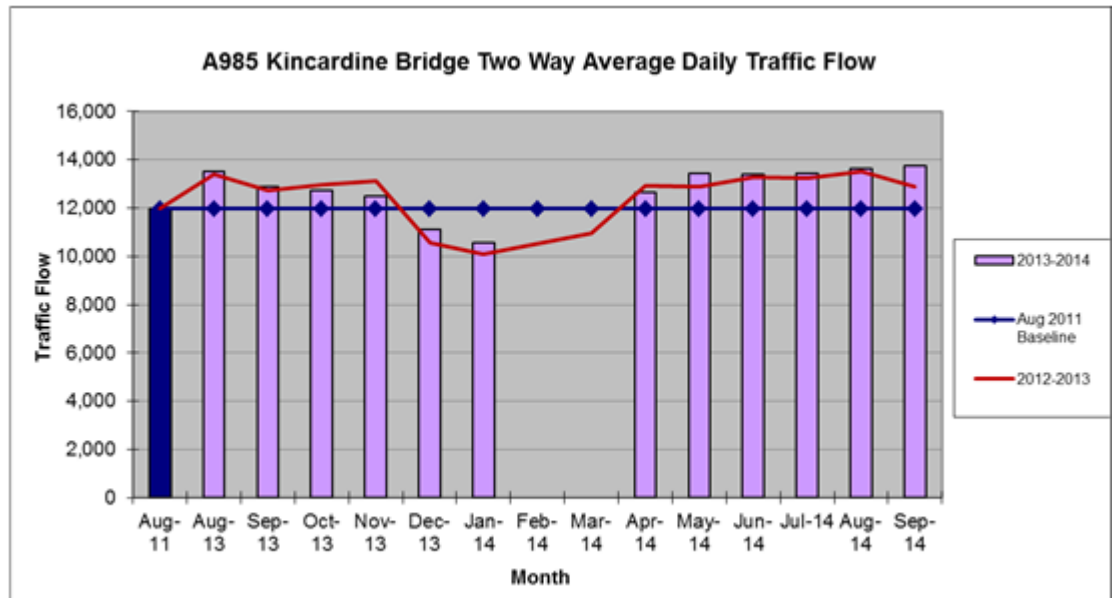


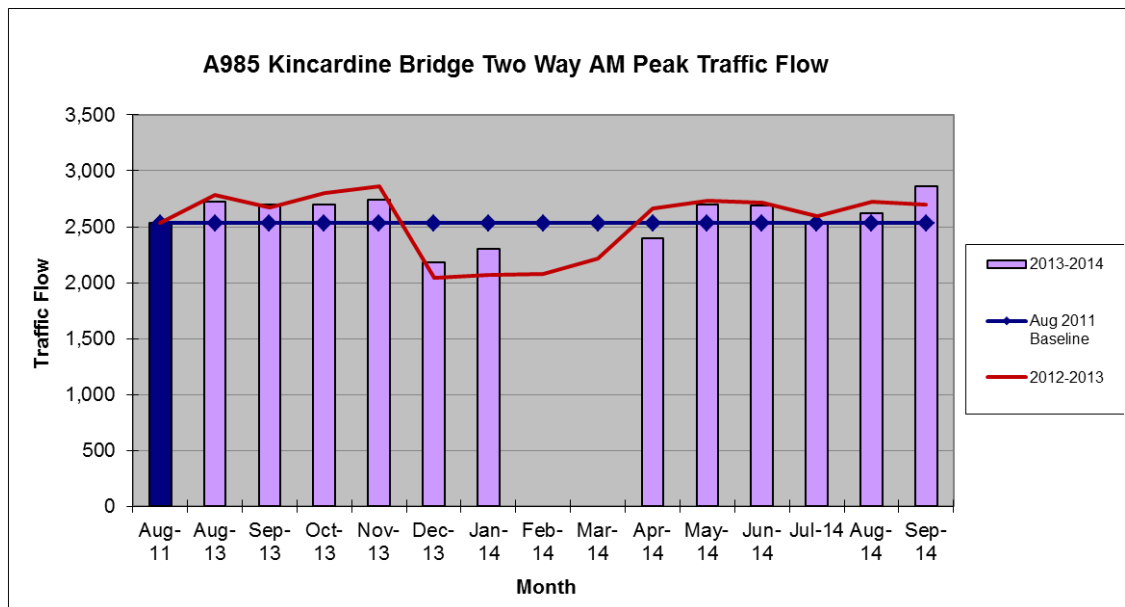
Figure 4-80 Monthly Two Way Daily Traffic Flows on the A985 Kincardine Bridge



### 4.12.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-46 Site: JTC00606 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00606	A985 Kincardine Bridge	Aug-11	2,533	2,972
		Aug-13	2,723	3,509
		Sep-13	2,701	3,353
		Oct-13	2,699	3,267
		Nov-13	2,742	3,233
		Dec-13	2,186	2,697
		Jan-14	2,302	2,763
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	2,395	3,215
		May-14	2,696	3,435
		Jun-14	2,686	3,375
		Jul-14	2,524	3,422
		Aug-14	2,619	3,546
		Sep-14	2,864	3,621
		<b>Annual Average</b>	<b>2,565</b>	<b>3,227</b>



**Figure 4-81 Monthly Two Way AM Peak Flows on the A985 Kincardine Bridge**

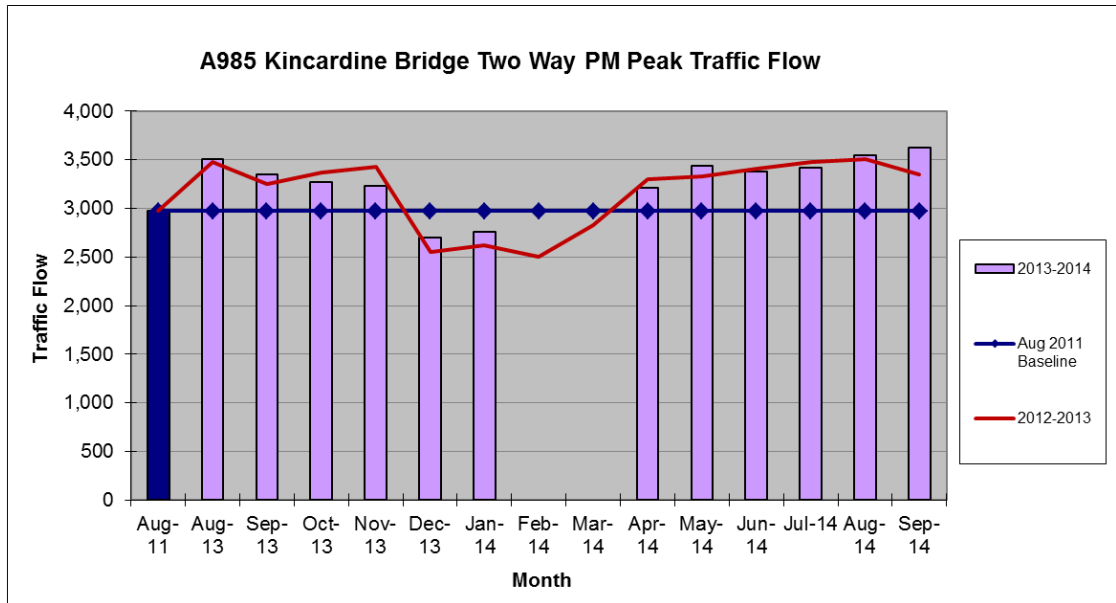


Figure 4-82 Monthly Two Way PM Peak Flows on the A985 Kincardine Bridge

### 4.12.3 Monthly Average HGV Flows

Table 4-47 Site: JTC00606 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00606	A985 Kincardine Bridge	Aug-11	442
		Aug-13	469
		Sep-13	476
		Oct-13	482
		Nov-13	514
		Dec-13	501
		Jan-14	492
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	596
		May-14	641
		Jun-14	620
		Jul-14	619
		Aug-14	588
		Sep-14	571
		<b>Annual Average</b>	<b>541</b>

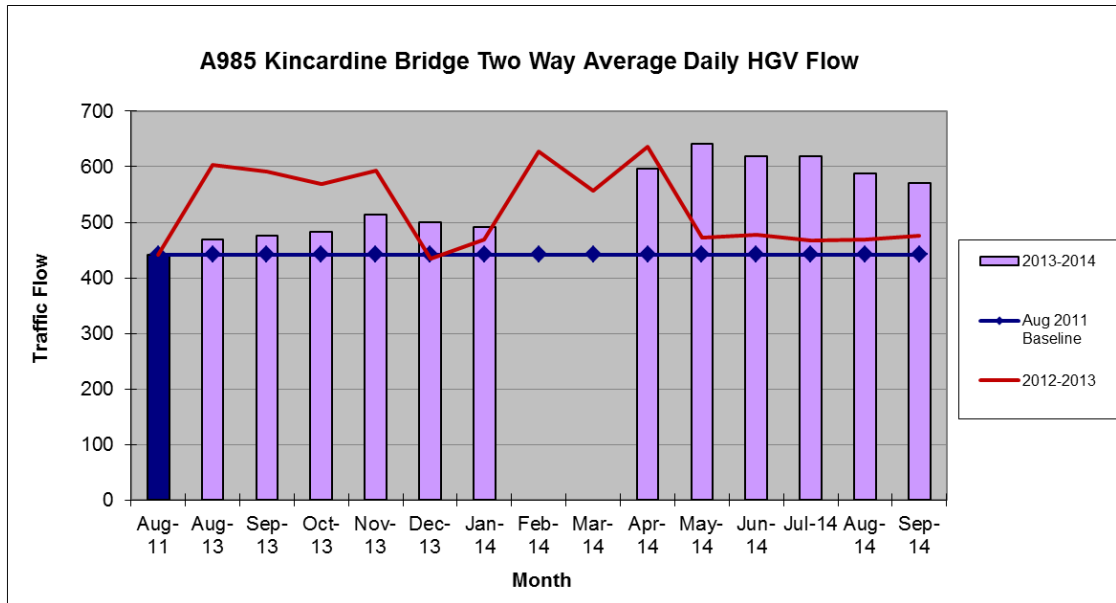


Figure 4-83 Monthly Two Way HGVS Flows on the A985Kincardine Bridge

#### 4.12.4 Monthly Average All Vehicles Traffic Speeds

Table 4-48 Site: JTC00606 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00606	A985 Kincardine Bridge	Aug-13	48	46
		Sep-13	49	47
		Oct-13	48	47
		Nov-13	48	45
		Dec-13	48	47
		Jan-14	48	47
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	48	47
		May-14	48	47
		Jun-14	48	48
		Jul-14	48	47
		Aug-14	48	47
		Sep-14	48	47

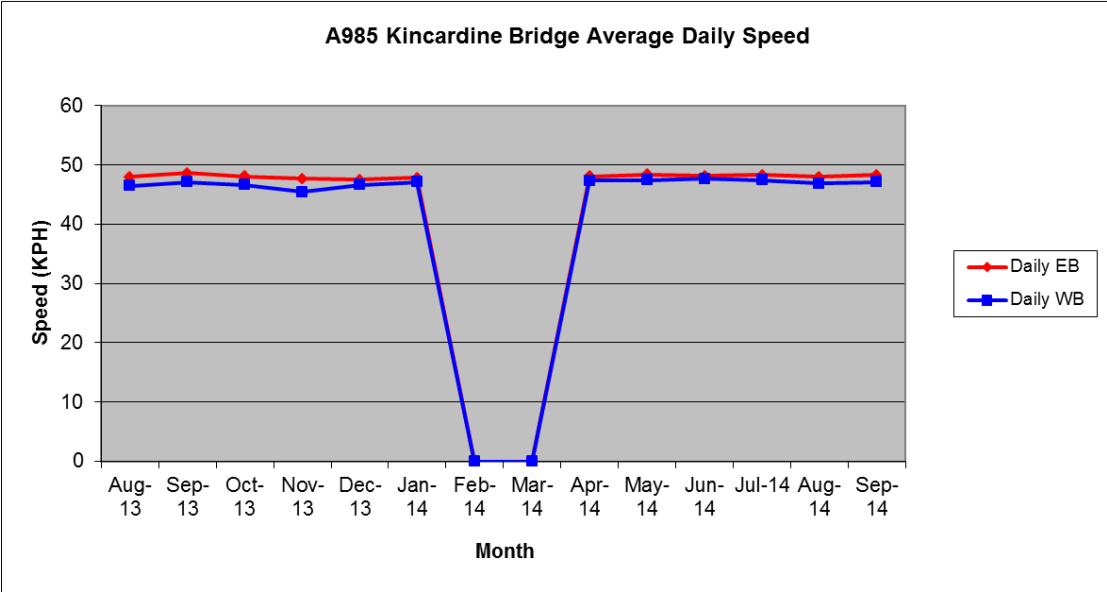


Figure 4-84 Average Monthly Traffic Speeds (KPH) on the A985 Kincardine Bridge

### 4.13 Traffic Counter JTC00607 – A9 Causewayhead Road (Stirling)

#### 4.13.1 Monthly Average Traffic Flows

Table 3-4-49 Site: JTC00607 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	10,750	11,136	21,886
		Aug-13	10,838	11,274	22,112
		Sep-13	10,694	10,851	21,546
		Oct-13	10,695	10,908	21,603
		Nov-13	11,046	11,349	22,395
		Dec-13	10,335	10,405	20,740
		Jan-14	9,745	9,875	19,620
		Feb-14	10,726	11,240	21,966
		Mar-14	11,033	11,651	22,685
		Apr-14	11,005	11,545	22,550
		May-14	11,288	11,828	23,116
		Jun-14	10,804	11,314	22,118
		Jul-14	10,323	10,529	20,852
		Aug-14	10,706	10,987	21,693
		Sep-14	11,269	11,837	23,106
		<b>Annual Average</b>	<b>10,711</b>	<b>11,064</b>	<b>21,775</b>

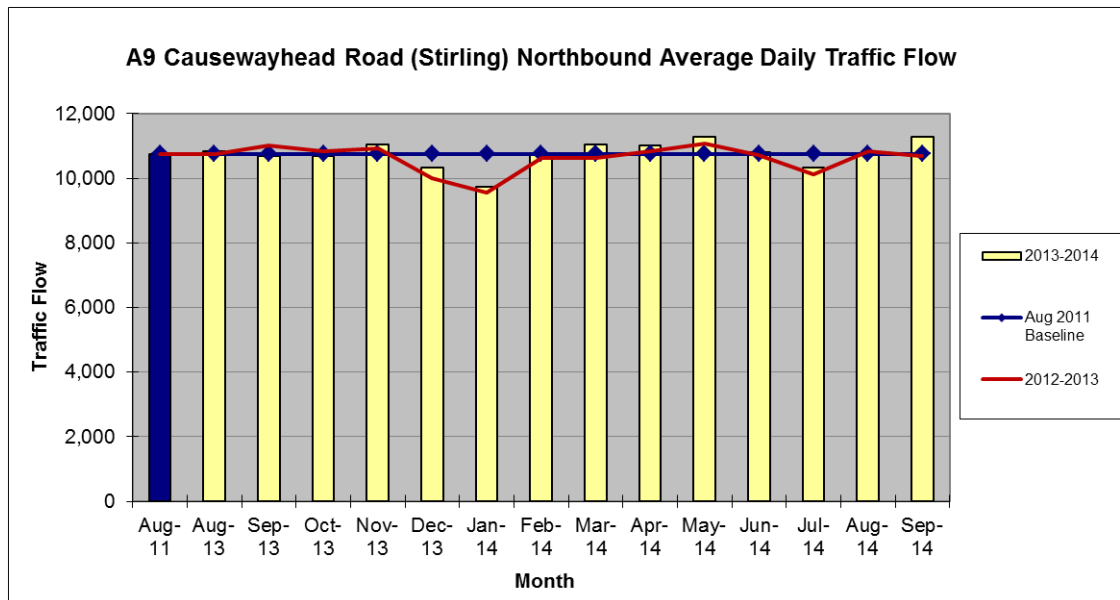


Figure 4-85 Monthly Northbound AADTs on the A9 Causewayhead Road (Stirling)

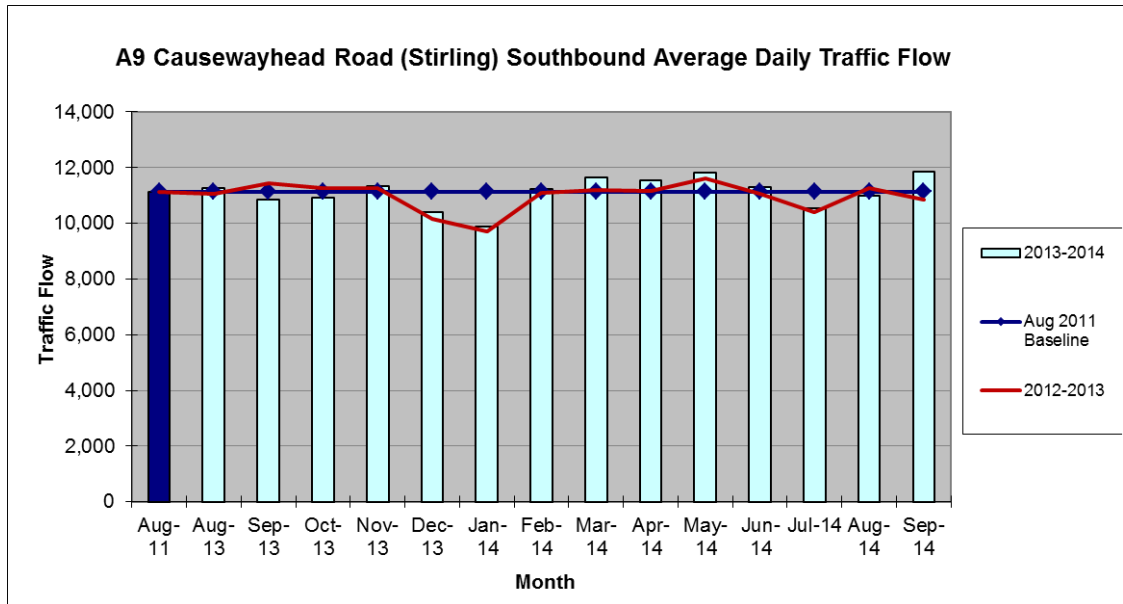


Figure 4-86 Monthly Southbound AADTs on the A9 Causewayhead Road (Stirling)

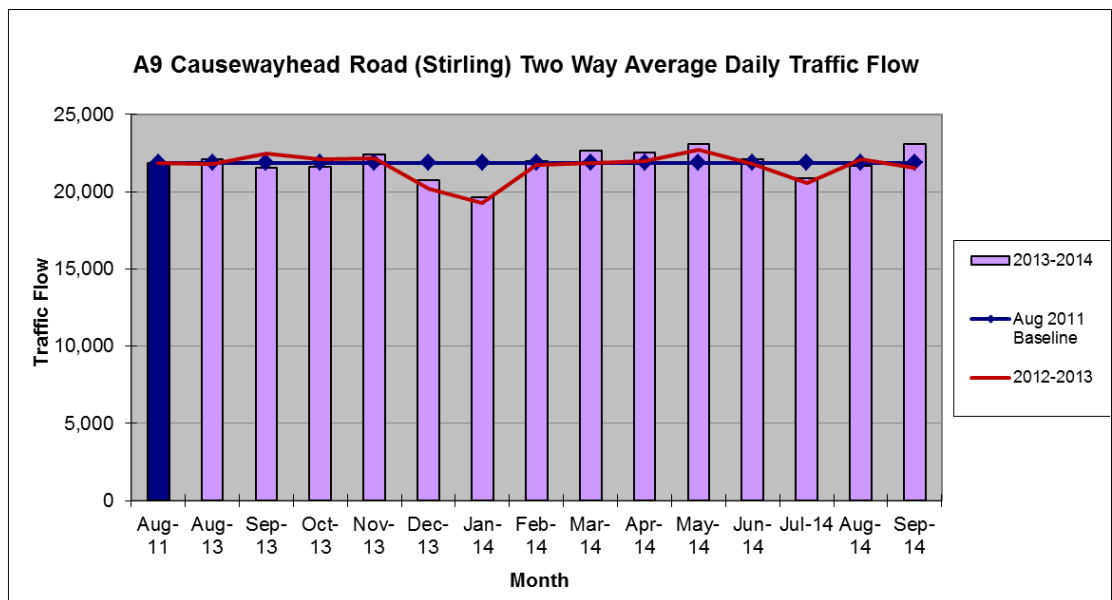
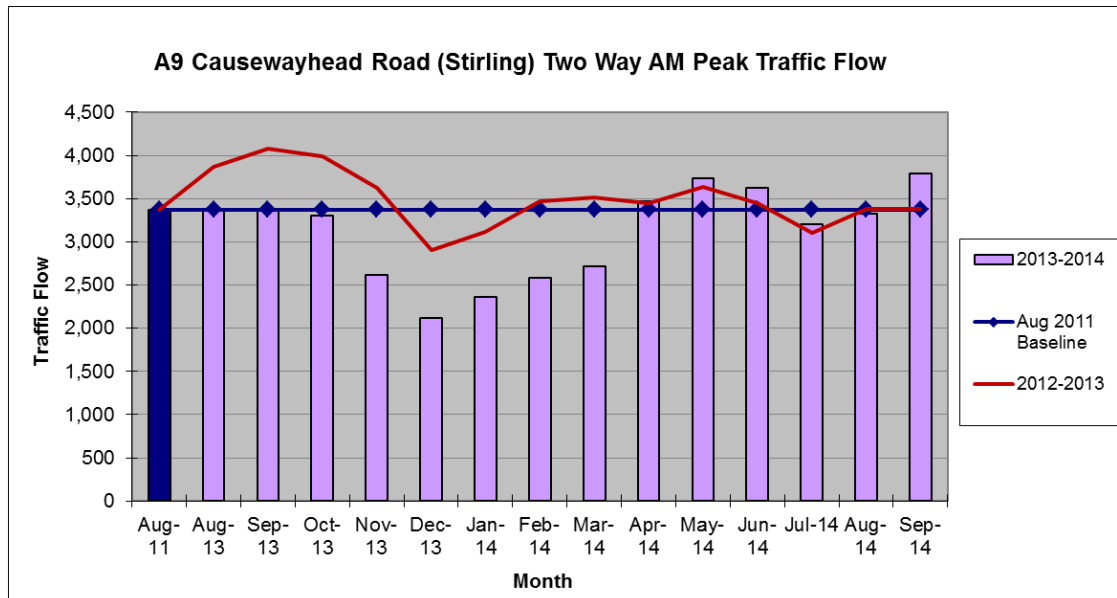


Figure 4-87 Monthly Two Way Daily Traffic Flows on the A9 Causewayhead Road (Stirling)

### 4.13.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-50 Site: JTC00607 Monthly Two Way AM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	3,373	5,072
		Aug-13	3,385	5,101
		Sep-13	3,379	4,949
		Oct-13	3,303	5,029
		Nov-13	2,617	5,216
		Dec-13	2,113	4,827
		Jan-14	2,362	4,750
		Feb-14	2,587	5,179
		Mar-14	2,720	5,349
		Apr-14	3,469	5,105
		May-14	3,738	5,185
		Jun-14	3,624	4,988
		Jul-14	3,198	4,737
		Aug-14	3,323	4,980
		Sep-14	3,792	5,262
		<b>Annual Average</b>		



**Figure 4-88 Monthly Two Way AM Peak Flows on the A9 Causewayhead Road (Stirling)**

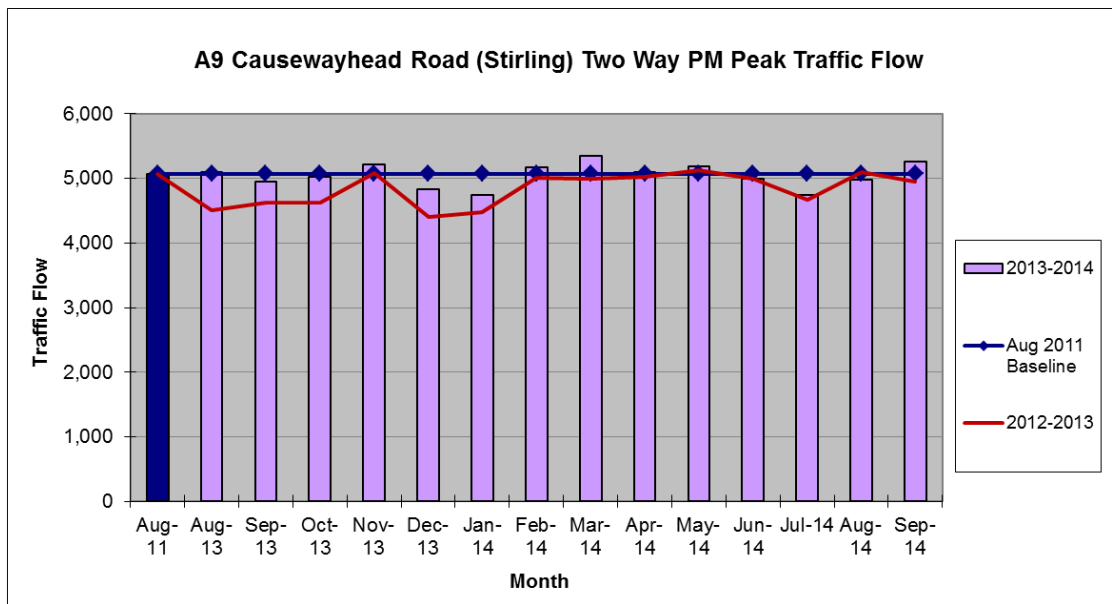


Figure 4-89 Monthly Two Way PM Peak Flows on the A9 Causewayhead Road (Stirling)

### 4.13.3 Monthly Average HGV Flows

Table 4-51 Site: JTC00607 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	488
		Aug-13	456
		Sep-13	452
		Oct-13	498
		Nov-13	496
		Dec-13	418
		Jan-14	397
		Feb-14	473
		Mar-14	500
		Apr-14	495
		May-14	533
		Jun-14	438
		Jul-14	442
		Aug-14	443
Sep-14	492		
<b>Annual Average</b>			<b>466</b>



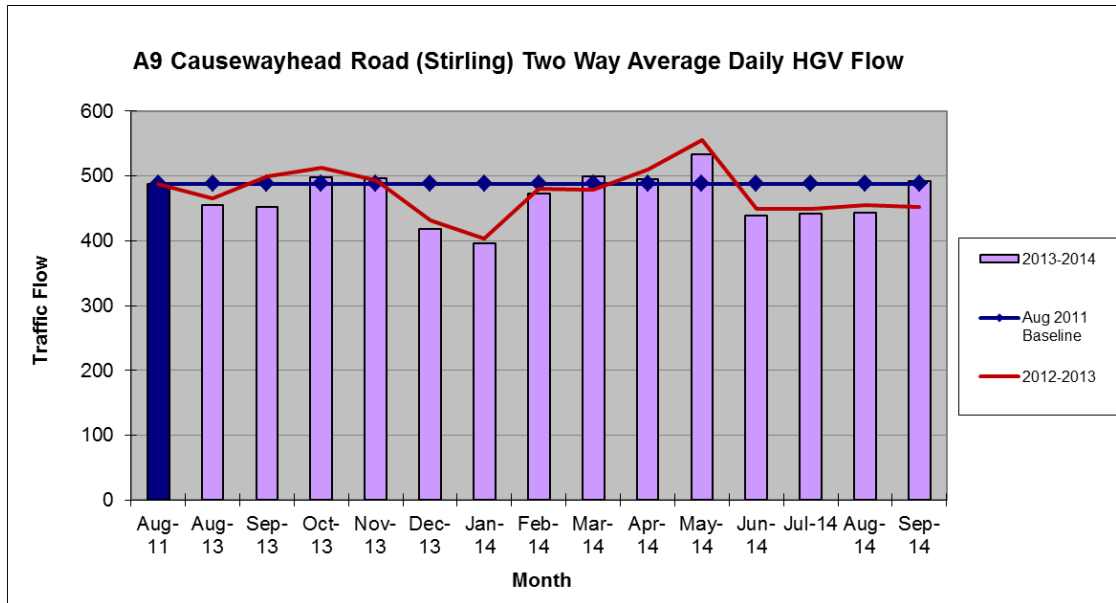


Figure 4-90 Monthly Two Way HGVS Flows on the A9 Causewayhead Road (Stirling)

#### 4.13.4 Monthly Average All Vehicles Traffic Speeds

Table 4-52 Site: JTC00607 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00607	A9 Causewayhead Road (Stirling)	Aug-13	45	43
		Sep-13	43	43
		Oct-13	44	43
		Nov-13	44	43
		Dec-13	45	43
		Jan-14	45	44
		Feb-14	45	44
		Mar-14	45	43
		Apr-14	45	44
		May-14	44	43
		Jun-14	45	43
		Jul-14	46	44
		Aug-14	45	44
		Sep-14	44	43

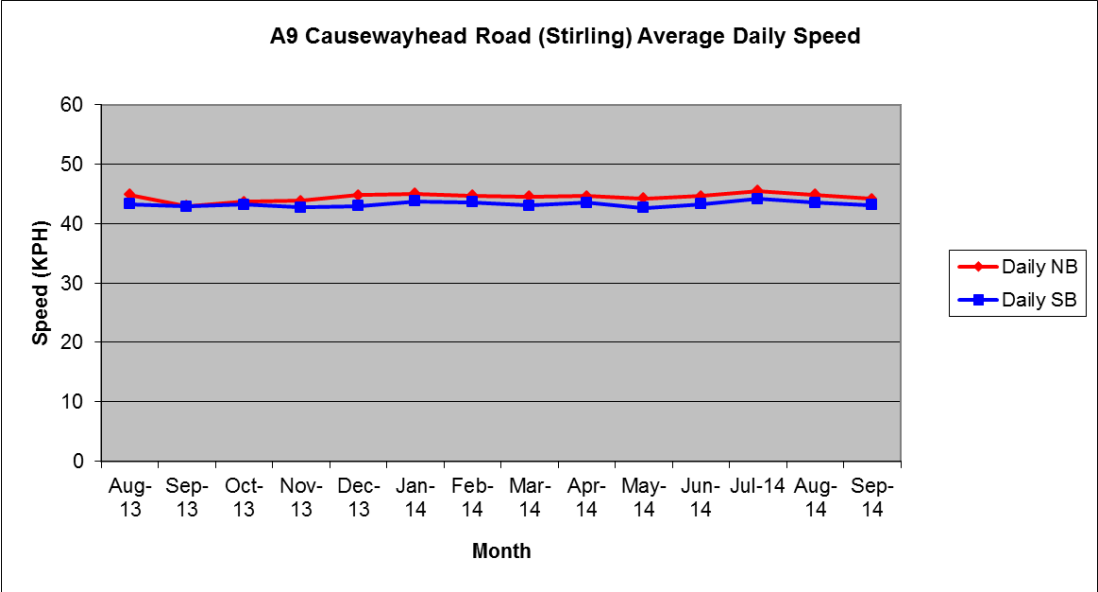


Figure 4-91 Average Monthly Traffic Speeds (KPH) on the A9 Causewayhead Road (Stirling)

## 4.14 Traffic Counter JTC00608 – A904 Old Philpstoun

### 4.14.1 Monthly Average Traffic Flows

Table 3-4-53 Site: JTC00608 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	2,426	2,444	4,870
		Aug-13	2,204	2,274	4,478
		Sep-13	2,058	2,099	4,157
		Oct-13	1,972	2,017	3,989
		Nov-13	2,049	2,055	4,104
		Dec-13	1,810	1,885	3,694
		Jan-14	1,854	1,863	3,717
		Feb-14	1,977	1,986	3,963
		Mar-14	2,146	2,141	4,288
		Apr-14	2,243	2,276	4,518
		May-14	2,290	2,317	4,608
		Jun-14	2,306	2,330	4,636
		Jul-14	2,245	2,290	4,535
		Aug-14	2,234	2,254	4,487
		Sep-14	2,150	2,169	4,319
		<b>Annual Average</b>	<b>2,096</b>	<b>2,128</b>	<b>4,224</b>

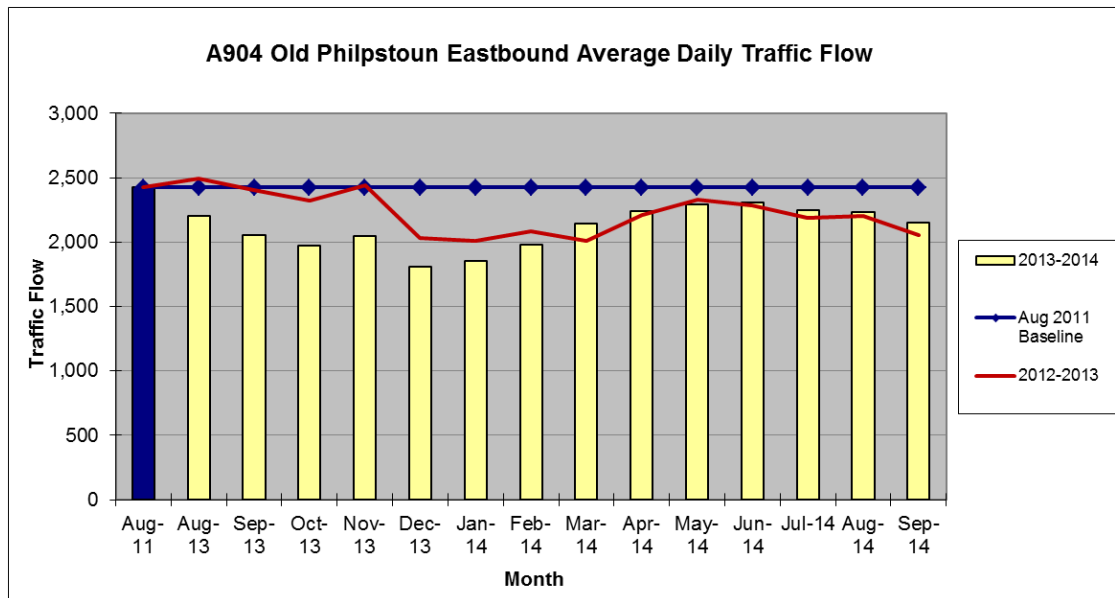


Figure 4-92 Monthly Eastbound AADTs on the A904 Old Philpstoun

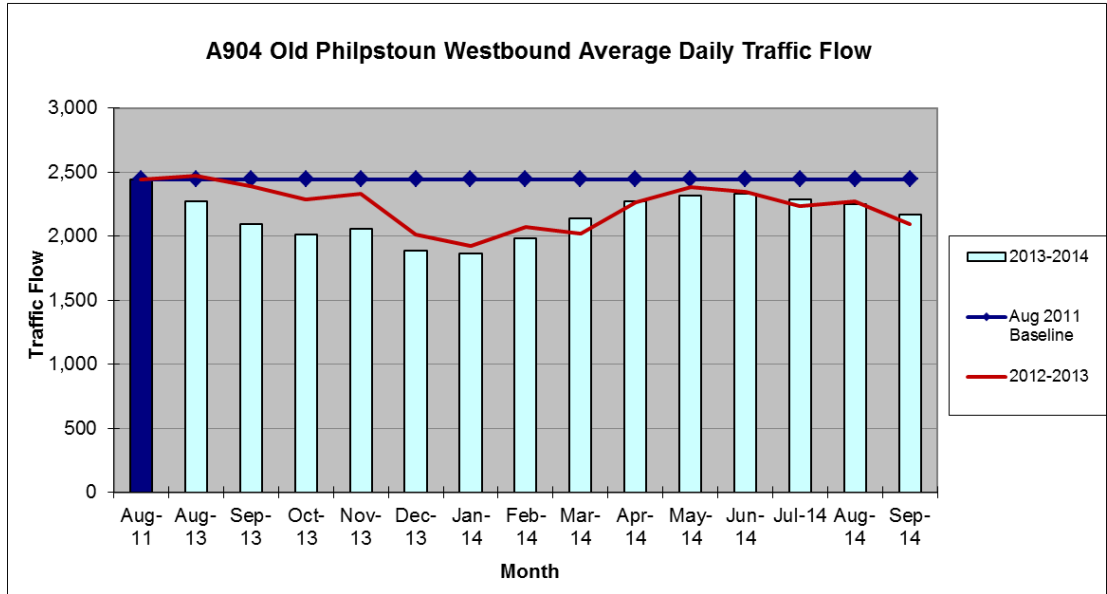


Figure 4-93 Monthly Westbound AADTs on the A904 Old Philpstoun

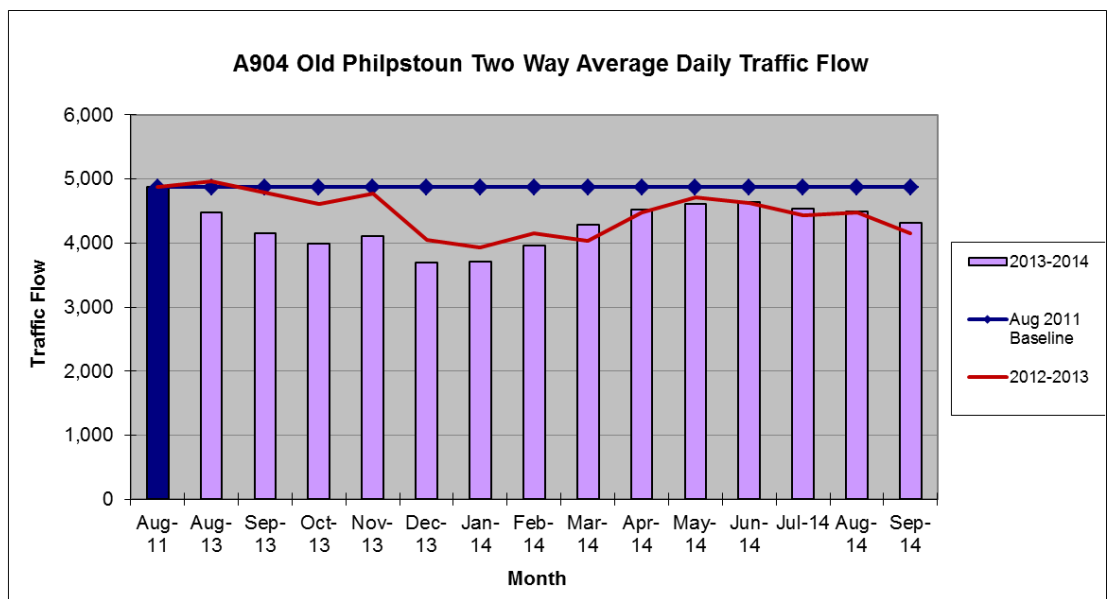
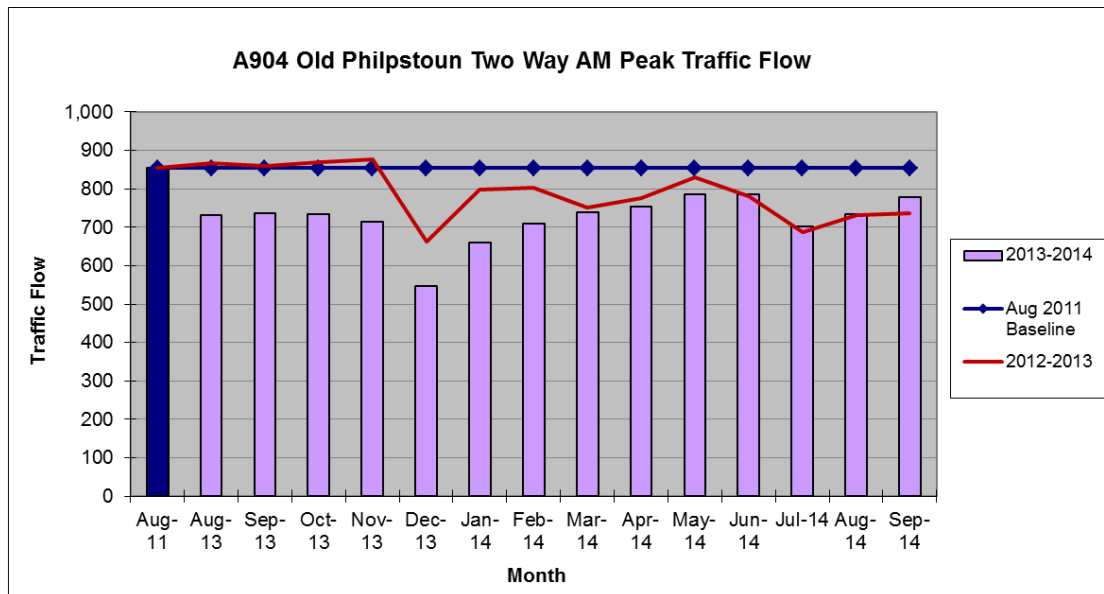


Figure 4-94 Monthly Two Way Daily Traffic Flows on the A904 Old Philpstoun

### 4.14.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-54 Site: JTC00608 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00608	A904 Old Philpstoun	Aug-11	854	1,174
		Aug-13	731	1,088
		Sep-13	736	1,025
		Oct-13	734	977
		Nov-13	715	1,047
		Dec-13	548	889
		Jan-14	660	960
		Feb-14	708	1,027
		Mar-14	738	1,110
		Apr-14	753	1,096
		May-14	786	1,108
		Jun-14	787	1,112
		Jul-14	703	1,104
		Aug-14	734	1,073
		Sep-14	779	1,058
			<b>Annual Average</b>	<b>716</b>



**Figure 4-95 Monthly Two Way AM Peak Flows on the A904 Old Philpstoun**

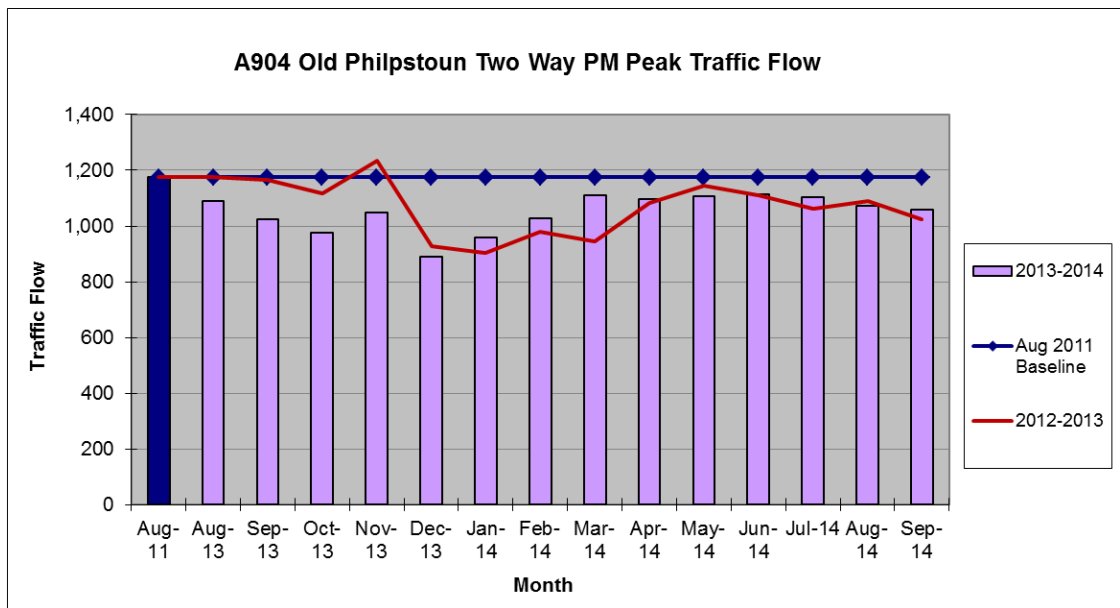


Figure 4-96 Monthly Two Way PM Peak Flows on the A904 Old Philpstoun

### 4.14.3 Monthly Average HGV Flows

Table 4-55 Site: JTC00608 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	58
		Aug-13	36
		Sep-13	32
		Oct-13	30
		Nov-13	33
		Dec-13	26
		Jan-14	28
		Feb-14	29
		Mar-14	33
		Apr-14	30
		May-14	26
		Jun-14	32
		Jul-14	34
		Aug-14	28
		Sep-14	29
		<b>Annual Average</b>	<b>31</b>

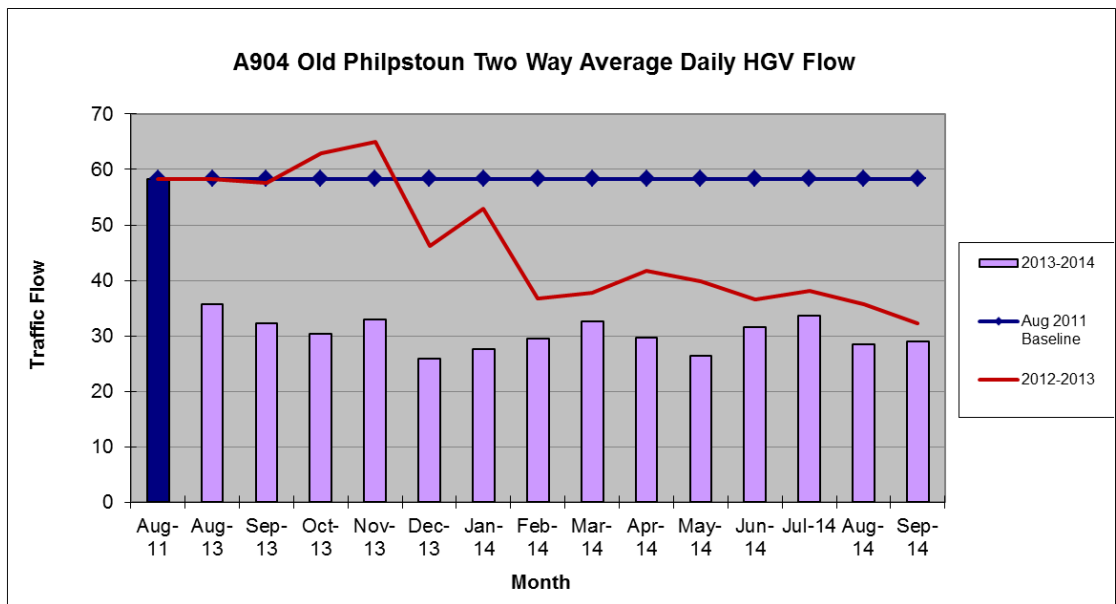


Figure 4-97 Monthly Two Way HGW Flows on the A904 Old Philpstoun

#### 4.14.4 Monthly Average All Vehicles Traffic Speeds

Table 4-56 Site: JTC00608 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00608	A904 Old Philpstoun	Aug-13	76	78
		Sep-13	77	79
		Oct-13	76	78
		Nov-13	75	78
		Dec-13	74	78
		Jan-14	75	78
		Feb-14	76	79
		Mar-14	76	79
		Apr-14	77	79
		May-14	77	78
		Jun-14	76	78
		Jul-14	76	78
		Aug-14	76	77
		Sep-14	76	78

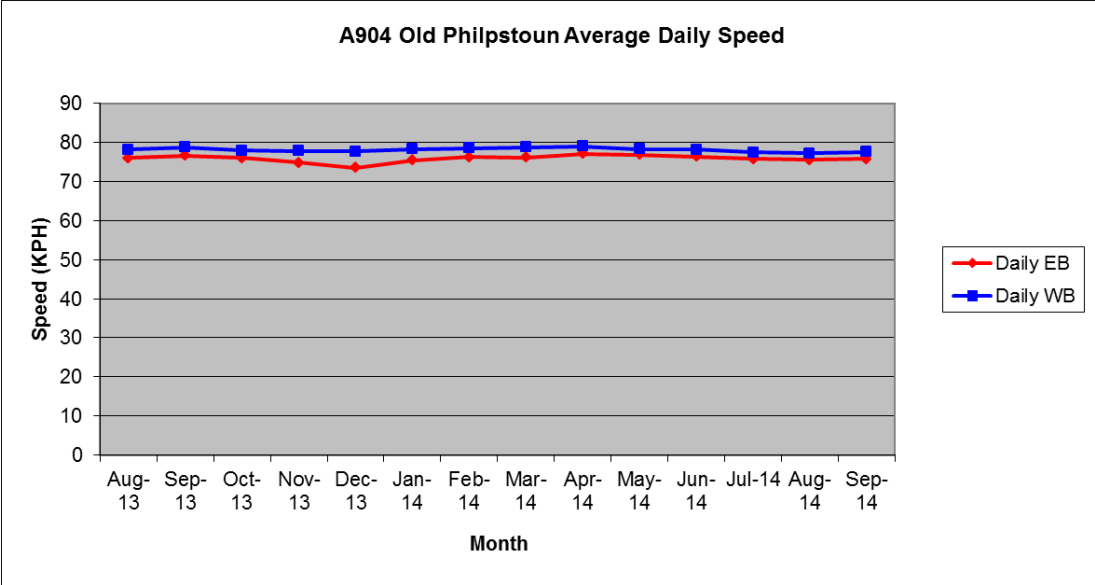


Figure 4-98 Average Monthly Traffic Speeds (KPH) on the A904 Old Philpstoun



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

### 4.15.1 Monthly Average Traffic Flows

Table 3-4-57 Site: JTC08347 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	27,732
		Aug-13	29,382
		Sep-13	28,142
		Oct-13	27,819
		Nov-13	26,739
		Dec-13	24,309
		Jan-14	24,582
		Feb-14	26,394
		Mar-14	26,960
		Apr-14	27,674
		May-14	28,275
		Jun-14	28,967
		Jul-14	29,115
		Aug-14	29,597
Sep-14	29,128		
		<b>Annual Average</b>	<b>27,363</b>

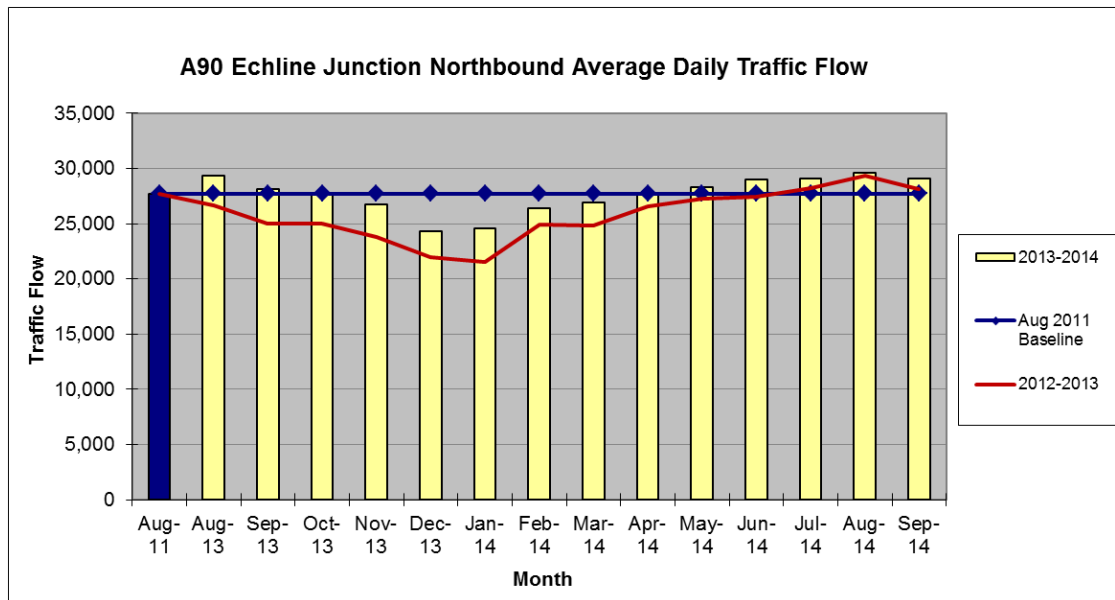


Figure 4-99 Monthly AADTs on the A90 Echline Junction Northbound (Main Carriageway)

4.15.2 Monthly Average AM and PM Peak Traffic Flows

Table 4-58 Site: JTC08347 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	4,474	6,598
		Aug-13	4,918	6,774
		Sep-13	4,956	6,619
		Oct-13	4,893	6,676
		Nov-13	4,730	6,572
		Dec-13	3,696	5,738
		Jan-14	4,286	6,154
		Feb-14	4,691	6,488
		Mar-14	4,690	6,514
		Apr-14	4,855	6,274
		May-14	4,971	6,469
		Jun-14	5,045	6,554
		Jul-14	5,006	6,412
		Aug-14	4,971	6,377
		Sep-14	5,323	6,568
				<b>Annual Average</b>

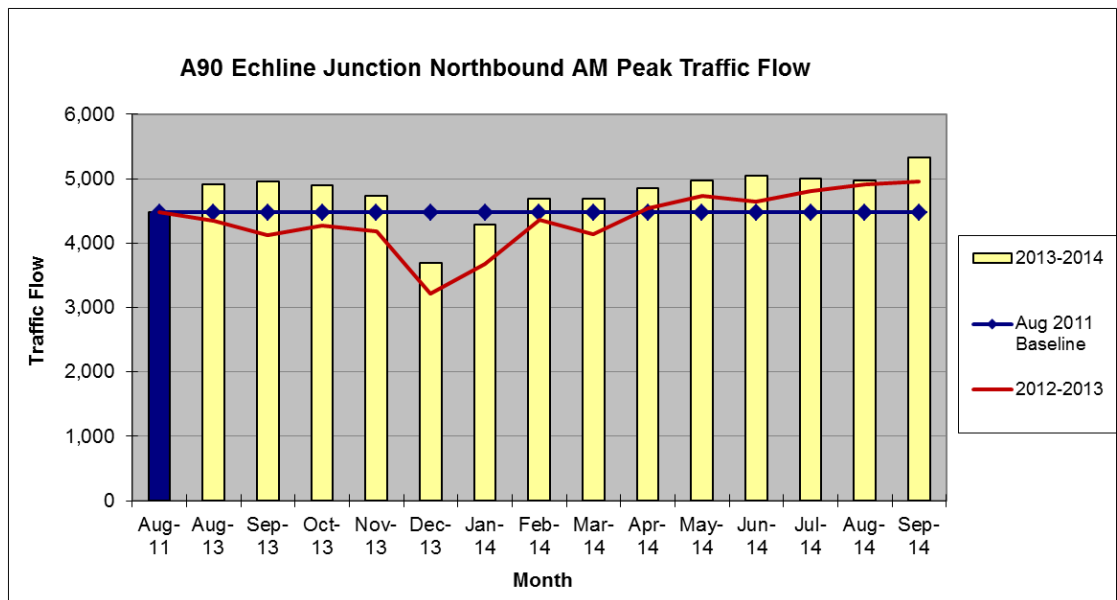


Figure 4-100 Monthly Northbound AM Peak Flows on the A90 Echline Junction Northbound (Main Carriageway)

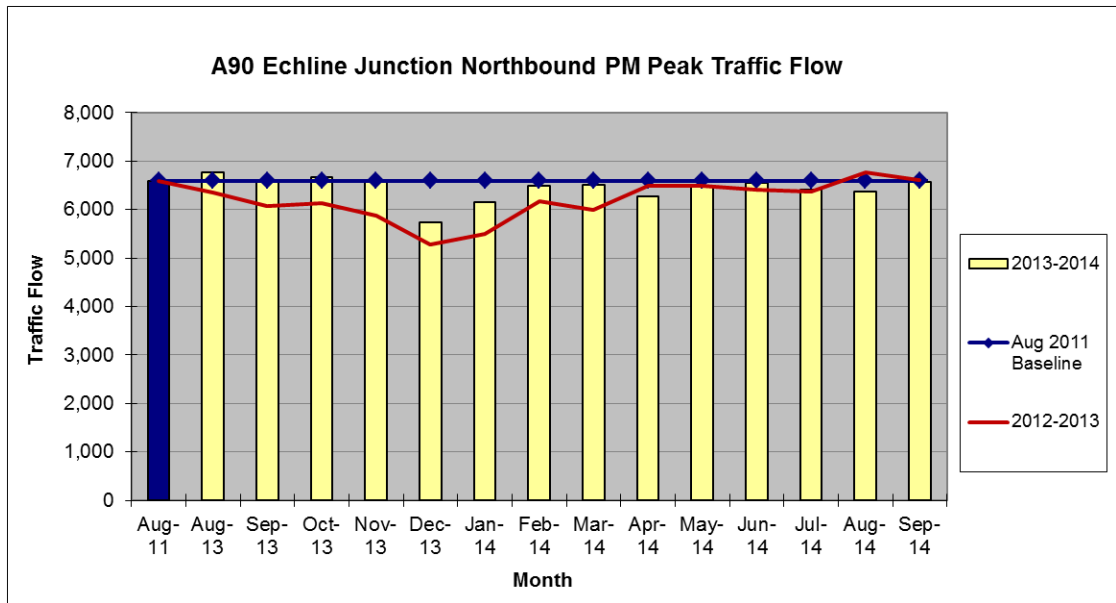


Figure 4-101 Monthly Northbound PM Peak Flows on the A90 Echline Junction Northbound (Main Carriageway)

### 4.15.3 Monthly Average HGV Flows

Table 4-59 Site: JTC08347 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	1,275
		Aug-13	1,428
		Sep-13	1,453
		Oct-13	1,470
		Nov-13	1,462
		Dec-13	1,182
		Jan-14	1,269
		Feb-14	1,356
		Mar-14	1,335
		Apr-14	1,404
		May-14	1,420
		Jun-14	1,490
		Jul-14	1,515
		Aug-14	1,419
		Sep-14	1,547
		<b>Annual Average</b>	<b>1,399</b>

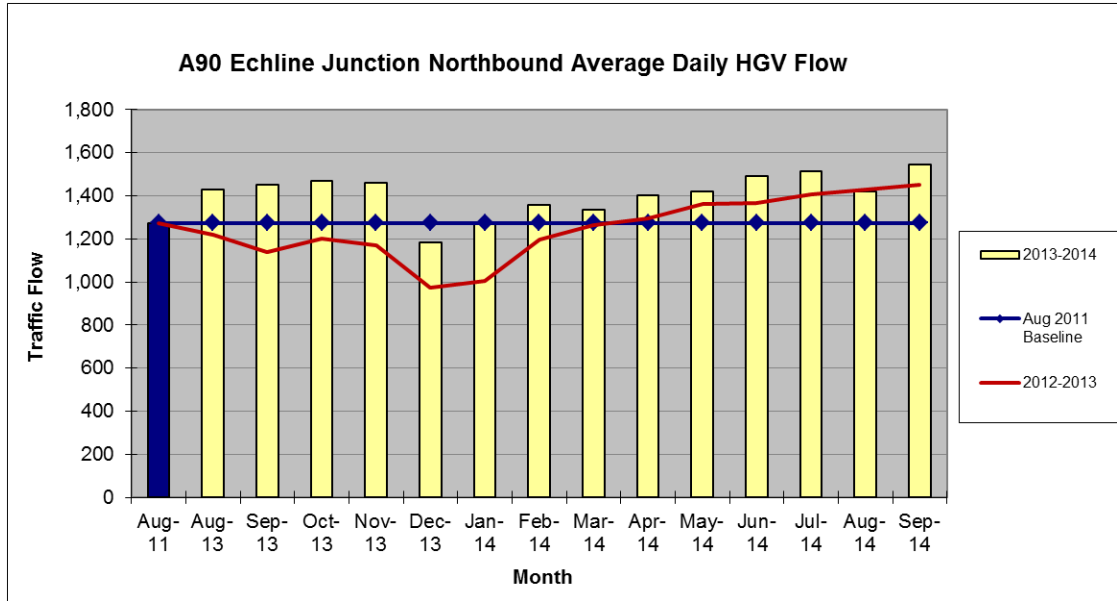


Figure 4-102 Monthly HGV Flows on the A90 Echline Junction Northbound (Main Carriageway)

#### 4.15.4 Monthly Average All Vehicles Traffic Speeds

Table 4-60 Site: JTC08347 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-13	75
		Sep-13	76
		Oct-13	74
		Nov-13	77
		Dec-13	79
		Jan-14	79
		Feb-14	77
		Mar-14	78
		Apr-14	75
		May-14	75
		Jun-14	76
		Jul-14	74
		Aug-14	72
Sep-14	74		

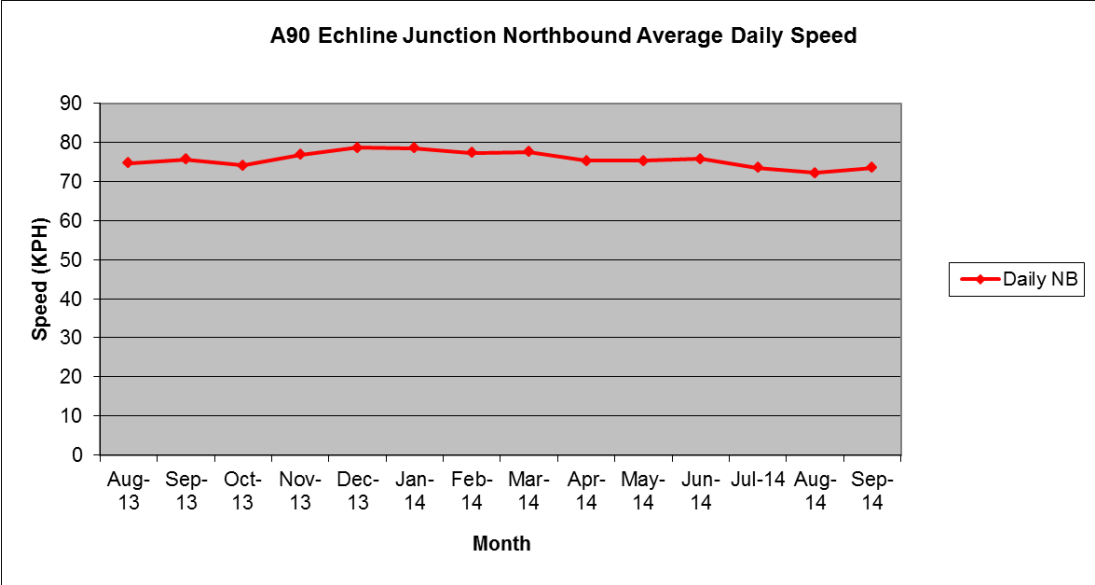


Figure 4-103 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction Northbound (Main Carriageway)

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

### 4.16.1 Monthly Average Traffic Flows

Table 4-61 Site: JTC08348 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Aug-13	32,686
		Sep-13	29,471
		Oct-13	30,624
		Nov-13	29,222
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	No Data
		May-14	31,255
		Jun-14	31,914
		Jul-14	32,175
		Aug-14	33,162
		Sep-14	32,377
		<b>Annual Average</b>	<b>31,050</b>

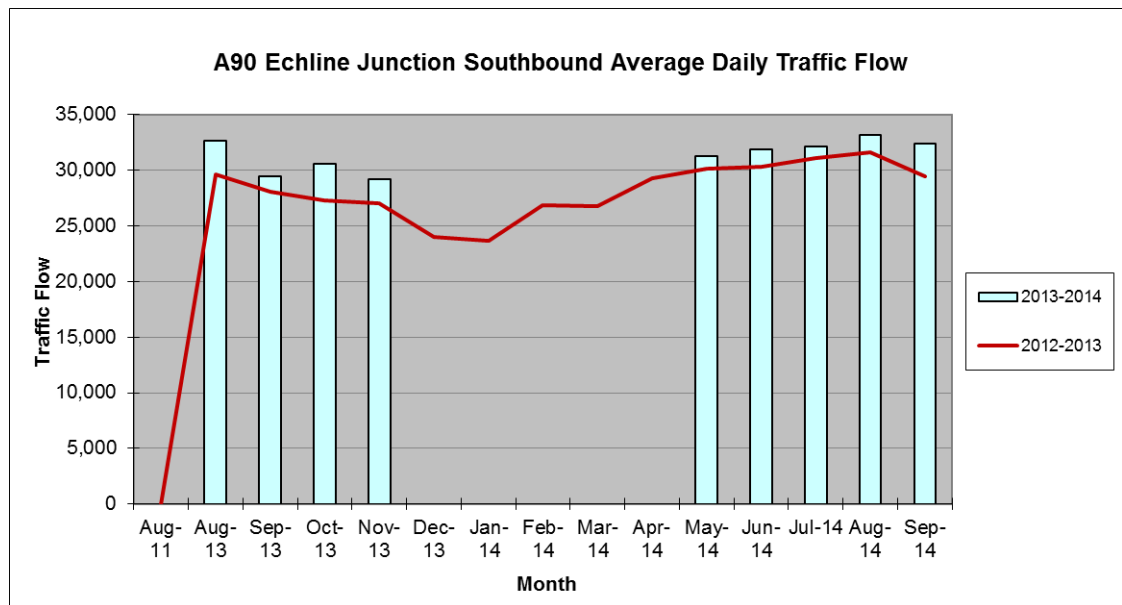


Figure 4-104 Monthly AADTs on the A90 Echline Junction Southbound (Main Carriageway)

4.16.2 Monthly Average AM and PM Peak Traffic Flows

Table 4-62 Site: JTC08348 Monthly Southbound AM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data	No Data
		Aug-13	6,490	6,963
		Sep-13	5,387	6,686
		Oct-13	6,407	6,534
		Nov-13	6,309	6,085
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	5,979	7,055
		Jun-14	6,507	6,689
		Jul-14	6,285	6,671
		Aug-14	6,293	7,030
		Sep-14	6,721	7,024
		<b>Annual Average</b>	<b>6,195</b>	<b>6,669</b>

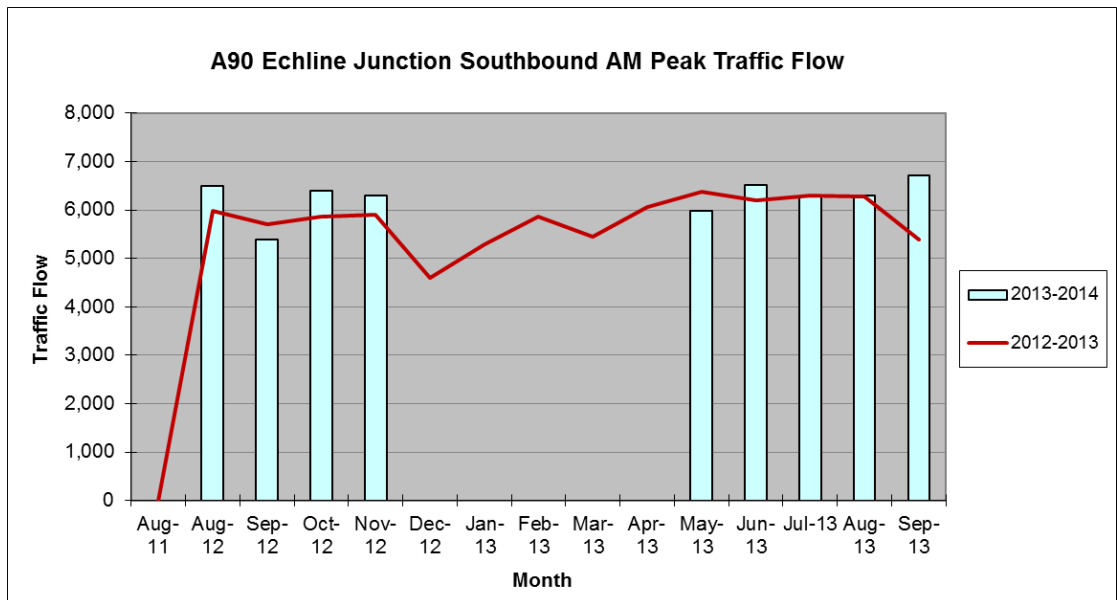


Figure 4-105 Monthly Southbound AM Peak Flows on the A90 Echline Junction Southbound (Main Carriageway)

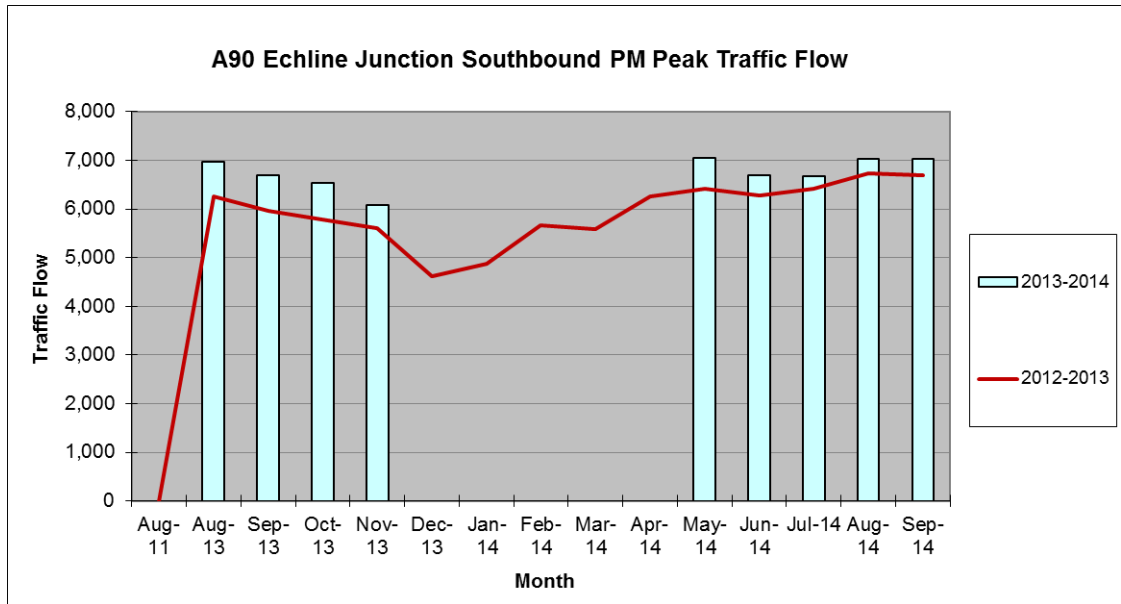


Figure 4-106 Monthly Southbound AM Peak Flows on the A90 Echline Junction Southbound (Main Carriageway)

### 4.16.3 Monthly Average HGV Flows

Table 4-63 Site: JTC08348 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Aug-13	1,595
		Sep-13	1,446
		Oct-13	1,627
		Nov-13	1,518
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	No Data
		May-14	1,700
		Jun-14	1,679
		Jul-14	1,738
		Aug-14	1,640
		Sep-14	1,786
		<b>Annual Average</b>	<b>1,615</b>



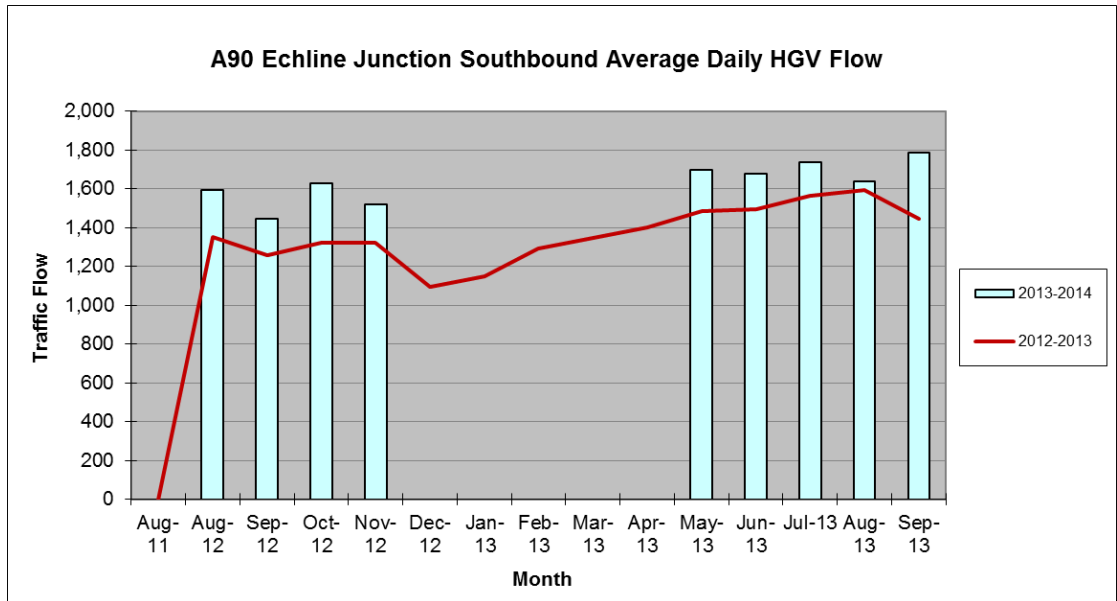


Figure 4-107 Monthly HG V Flows on the A90 Echline Junction Southbound (Main Carriageway)

#### 4.16.4 Monthly Average All Vehicles Traffic Speeds

Table 4-64 Site: JTC08348 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-13	90
		Sep-13	91
		Oct-13	89
		Nov-13	89
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	No Data
		May-14	91
		Jun-14	91
		Jul-14	91
		Aug-14	90
		Sep-14	90

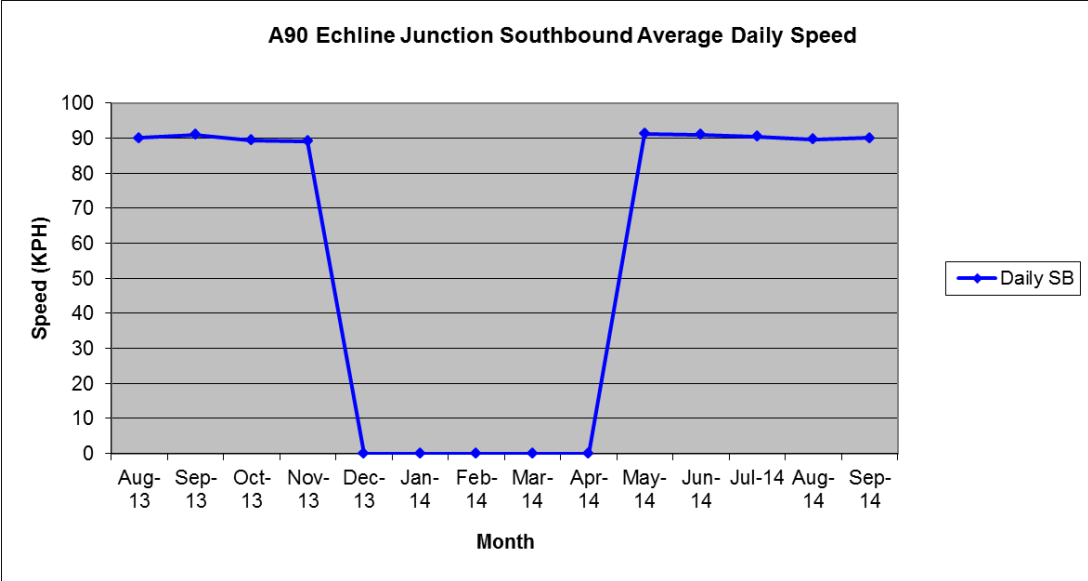


Figure 4-108 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction Southbound (Main Carriageway)

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

### 4.17.1 Monthly Average Traffic Flows

Table 4-65 Site: JTC58347 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	8,012
		Aug-13	7,286
		Sep-13	6,811
		Oct-13	6,532
		Nov-13	6,458
		Dec-13	5,610
		Jan-14	5,761
		Feb-14	6,374
		Mar-14	6,590
		Apr-14	6,958
		May-14	7,253
		Jun-14	7,265
		Jul-14	7,310
		Aug-14	7,300
		Sep-14	7,254
		<b>Annual Average</b>	<b>6,684</b>

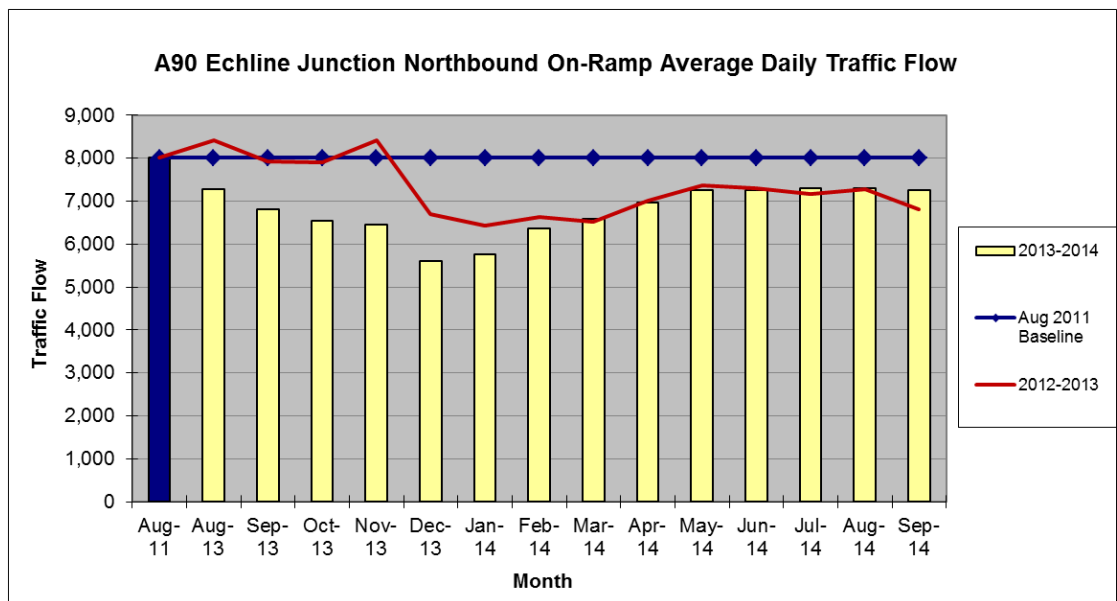


Figure 4-109 Monthly AADTs on the A90 Echline Junction Northbound On-Ramp

4.17.2 Monthly Average AM and PM Peak Traffic Flows

Table 4-66 Site: JTC58347 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	1,531	2,020
		Aug-13	1,275	1,931
		Sep-13	1,294	1,800
		Oct-13	1,293	1,683
		Nov-13	1,345	1,638
		Dec-13	995	1,306
		Jan-14	1,176	1,420
		Feb-14	1,297	1,606
		Mar-14	1,319	1,656
		Apr-14	1,281	1,785
		May-14	1,348	1,898
		Jun-14	1,303	1,918
		Jul-14	1,221	1,924
		Aug-14	1,259	1,949
		Sep-14	1,390	1,935
	<b>Annual Average</b>		<b>1,262</b>	<b>1,714</b>

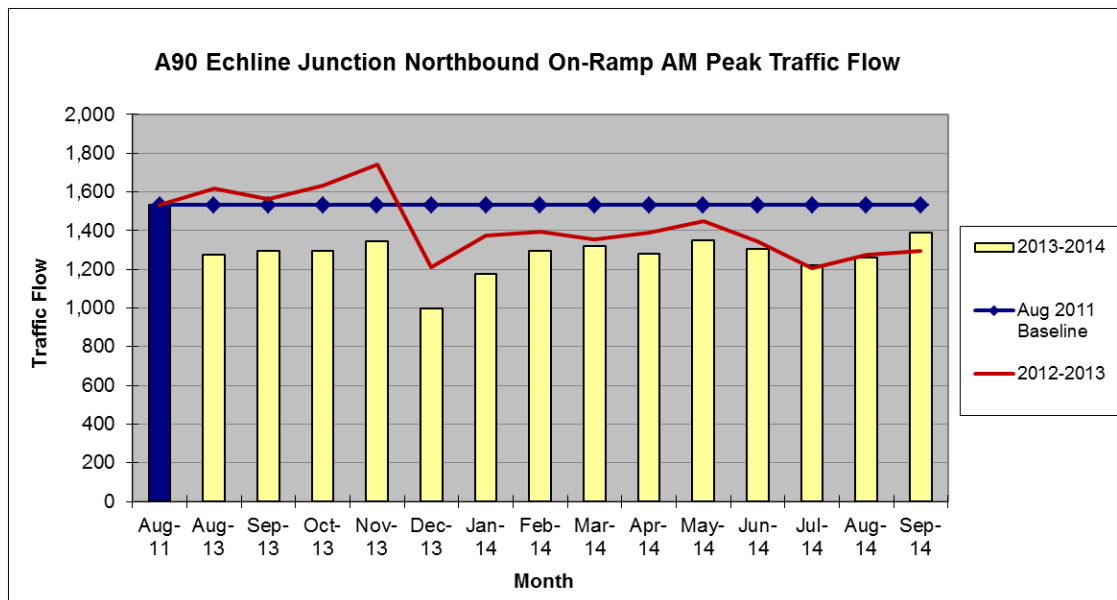


Figure 4-110 Monthly Northbound AM Peak Flows on the A90 Echline Junction Northbound On-Ramp

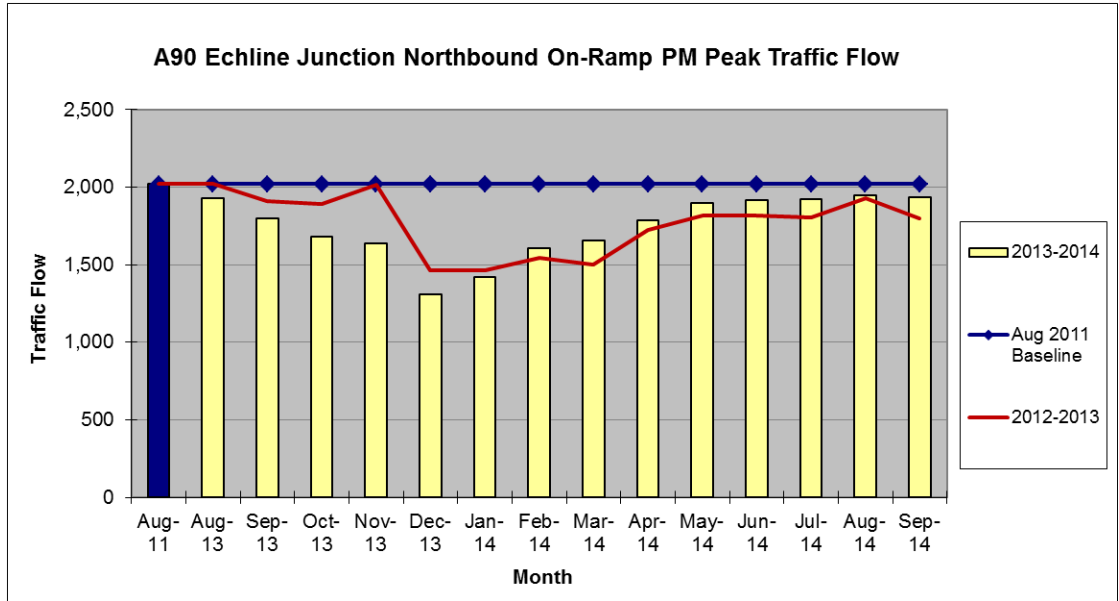


Figure 4-111 Monthly Northbound PM Peak Flows on the A90 Echline Junction Northbound On-Ramp

### 4.17.3 Monthly Average HGV Flows

Table 4-67 Site: JTC58347 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	313
		Aug-13	182
		Sep-13	173
		Oct-13	157
		Nov-13	110
		Dec-13	90
		Jan-14	98
		Feb-14	102
		Mar-14	106
		Apr-14	119
		May-14	124
		Jun-14	130
		Jul-14	148
		Aug-14	156
Sep-14	152		
		<b>Annual Average</b>	<b>128</b>

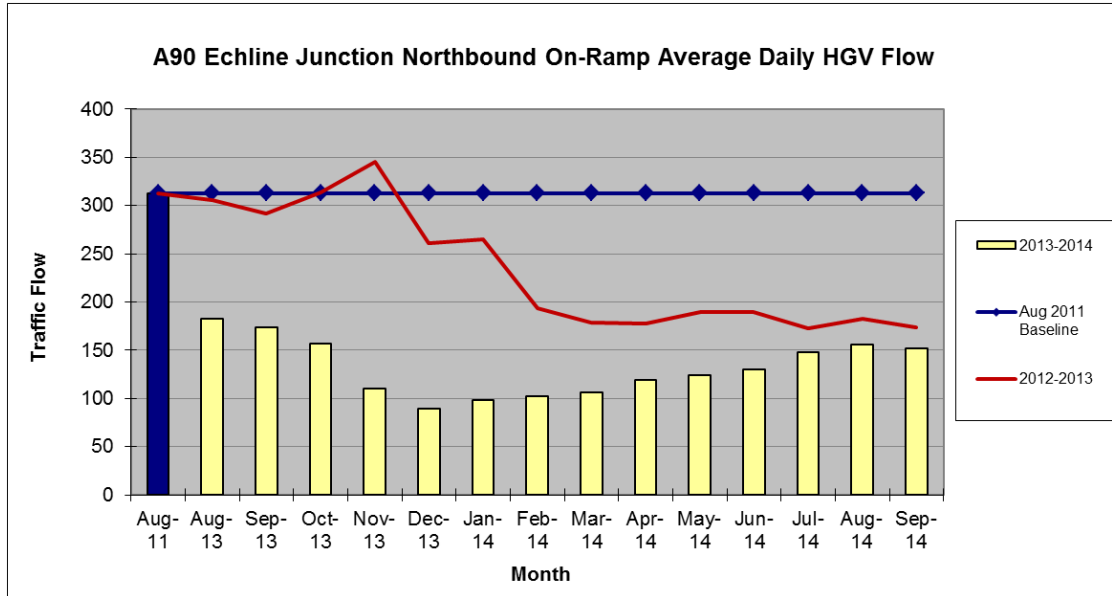


Figure 4-112 Monthly HGK Flows on the A90 Echline Junction Northbound On-Ramp

#### 4.17.4 Monthly Average All Vehicles Traffic Speeds

Table 4-68 Site: JTC58347 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-13	54
		Sep-13	54
		Oct-13	53
		Nov-13	56
		Dec-13	58
		Jan-14	58
		Feb-14	58
		Mar-14	58
		Apr-14	57
		May-14	57
		Jun-14	57
		Jul-14	55
		Aug-14	55
Sep-14	56		

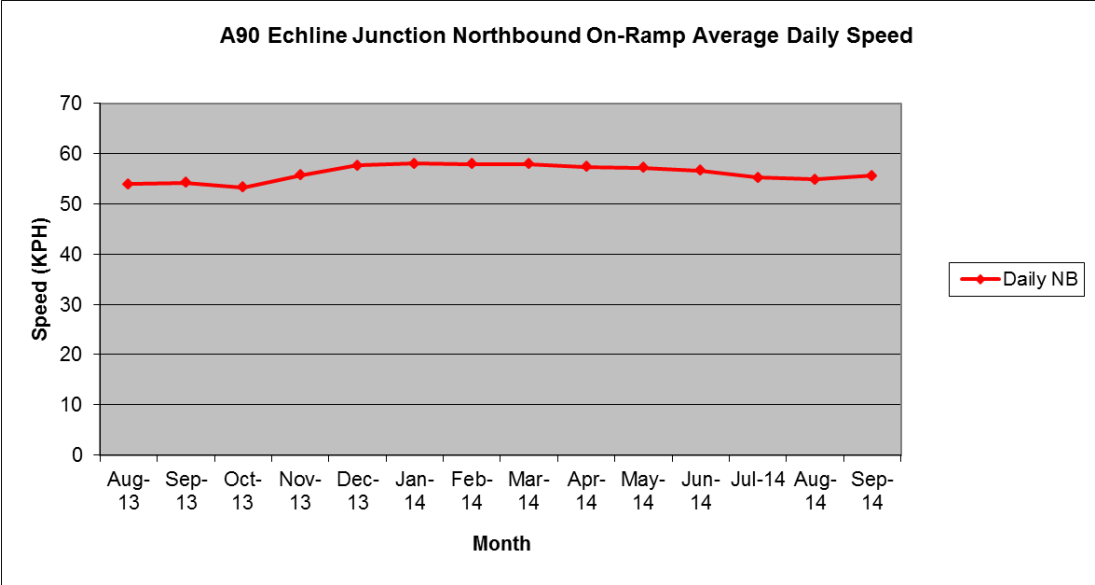


Figure 4-113 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction Northbound On-Ramp

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

### 4.18.1 Monthly Average Traffic Flows

Table 3-4-69 Site: JTC58348 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	8,063
		Aug-13	7,159
		Sep-13	6,694
		Oct-13	6,454
		Nov-13	6,392
		Dec-13	5,597
		Jan-14	5,804
		Feb-14	6,324
		Mar-14	6,555
		Apr-14	6,816
		May-14	7,065
		Jun-14	7,229
		Jul-14	7,093
		Aug-14	7,049
		Sep-14	7,011
		<b>Annual Average</b>	<b>6,598</b>

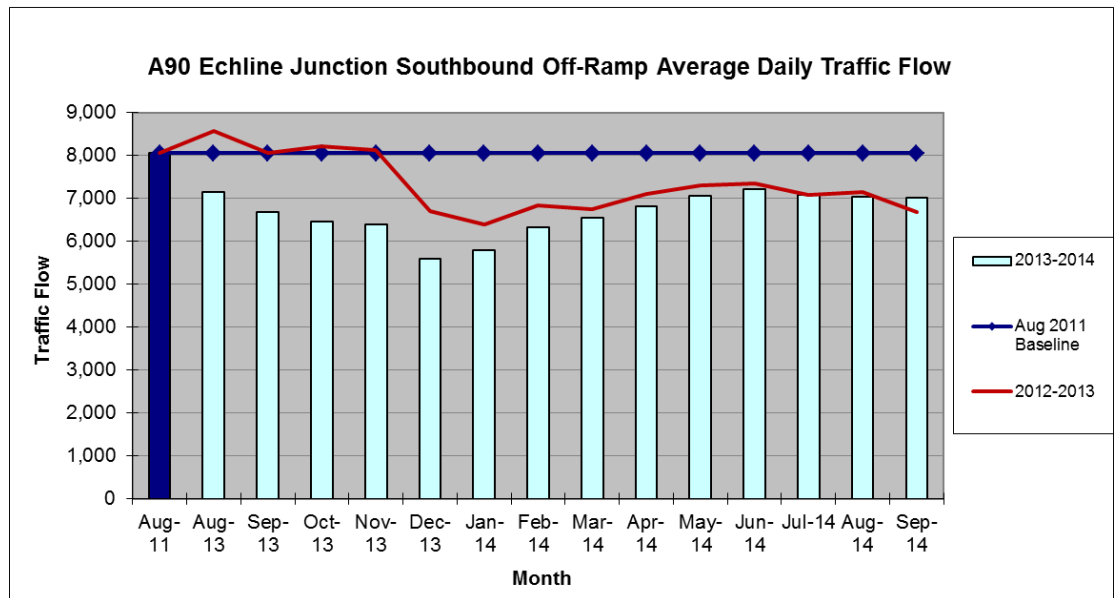


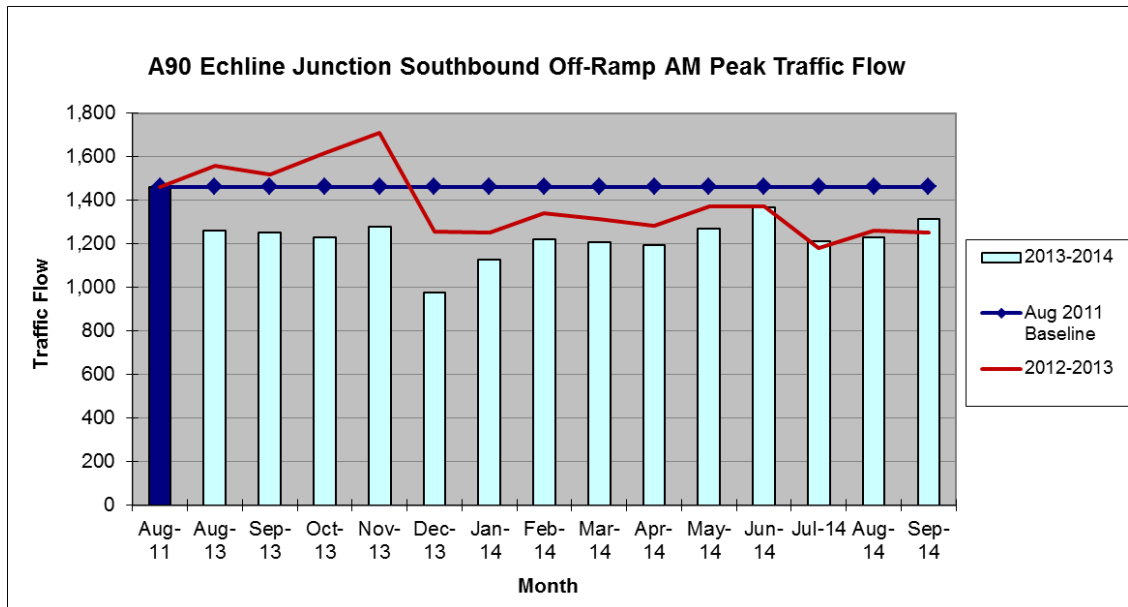
Figure 4-114 Monthly Two Way Daily Traffic Flows on the A90 Echline Junction Southbound Off-Ramp



### 4.18.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-70 Site: JTC58348 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	1,463	2,033
		Aug-13	1,260	1,753
		Sep-13	1,253	1,672
		Oct-13	1,233	1,617
		Nov-13	1,280	1,598
		Dec-13	979	1,302
		Jan-14	1,130	1,435
		Feb-14	1,220	1,576
		Mar-14	1,208	1,641
		Apr-14	1,193	1,731
		May-14	1,270	1,747
		Jun-14	1,368	1,739
		Jul-14	1,212	1,738
		Aug-14	1,230	1,720
		Sep-14	1,315	1,754
	<b>Annual Average</b>		<b>1,217</b>	<b>1,629</b>



**Figure 4-115 Monthly Southbound AM Peak Flows on the A90 Echline Junction Southbound Off-Ramp**

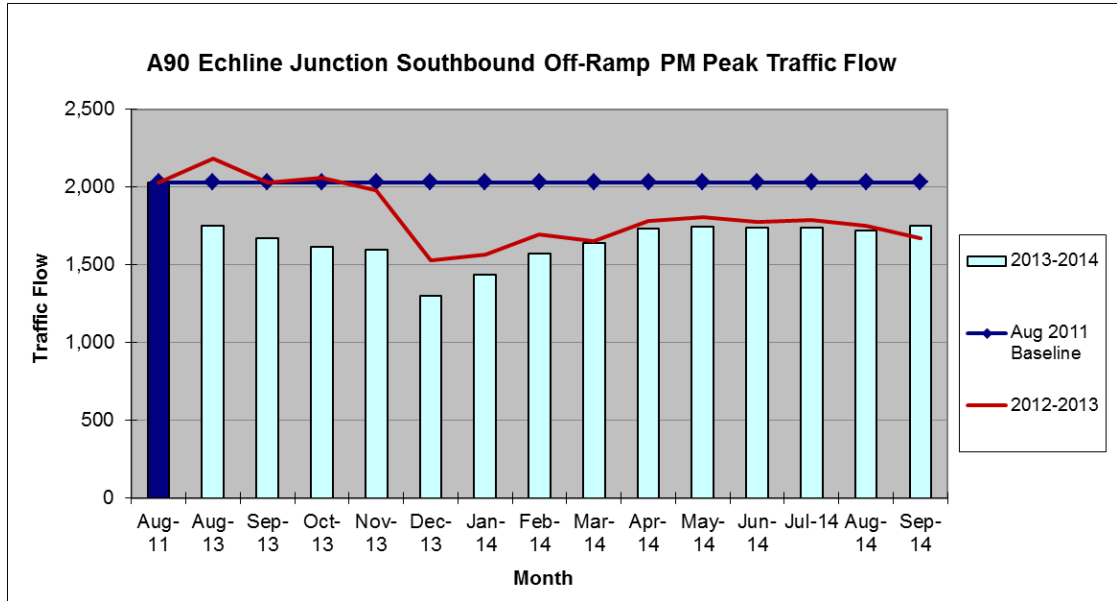


Figure 4-116 Monthly Southbound PM Peak Flows on the A90 Echline Junction Southbound Off-Ramp

### 4.18.3 Monthly Average HGV Flows

Table 4-71 Site: JTC58348 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	310
		Aug-13	176
		Sep-13	166
		Oct-13	166
		Nov-13	165
		Dec-13	134
		Jan-14	151
		Feb-14	160
		Mar-14	164
		Apr-14	167
		May-14	174
		Jun-14	185
		Jul-14	180
		Aug-14	183
Sep-14	185		
		<b>Annual Average</b>	<b>166</b>

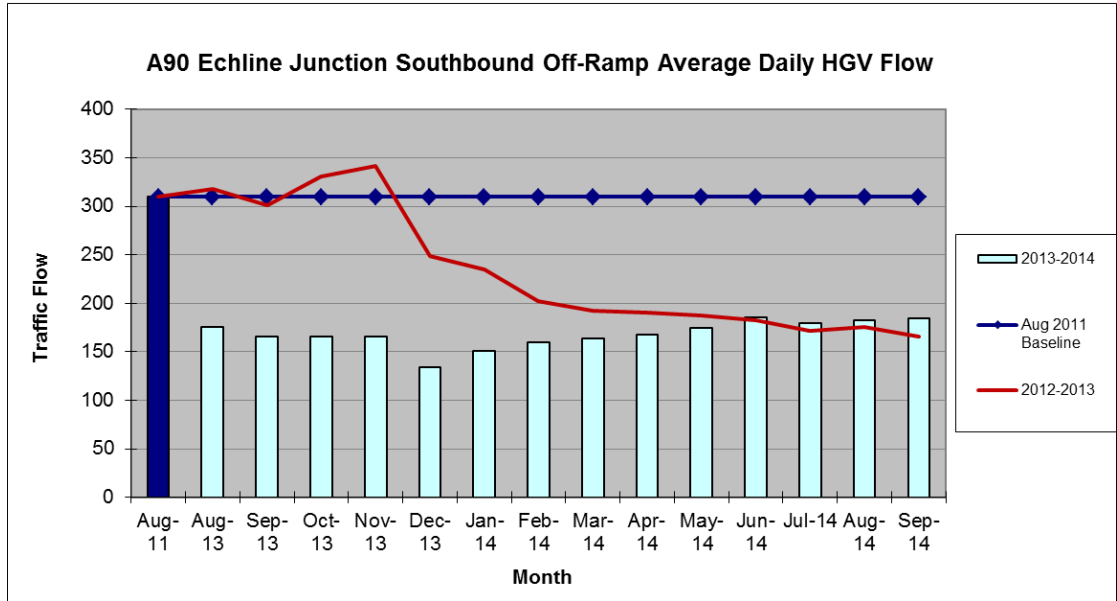


Figure 4-117 Monthly HGV Flows on the A90 Echline Junction Southbound Off-Ramp

#### 4.18.4 Monthly Average All Vehicles Traffic Speeds

Table 4-72 Site: JTC58348 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-13	58
		Sep-13	58
		Oct-13	58
		Nov-13	57
		Dec-13	58
		Jan-14	58
		Feb-14	58
		Mar-14	59
		Apr-14	59
		May-14	58
		Jun-14	58
		Jul-14	58
		Aug-14	58
Sep-14	58		

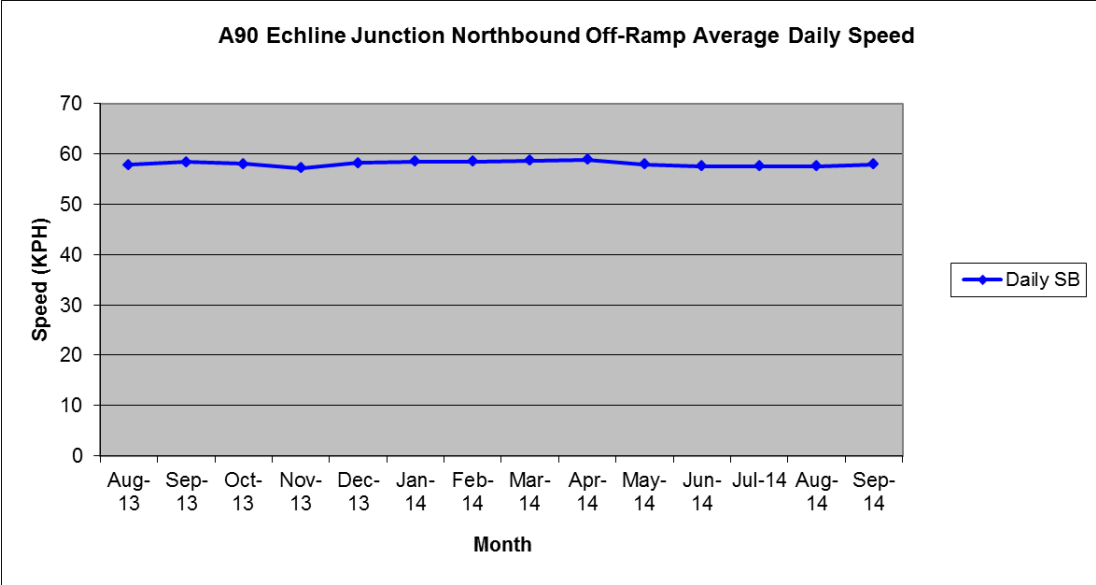


Figure 4-118 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction Southbound Off-Ramp

## 4.19 Traffic Counter NTC00802 – A90 Northbound (West of Barnton)

### 4.19.1 Monthly Average Traffic Flows

Table 3-4-73 Site: NTC00802 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Aug-13	20,750
		Sep-13	19,193
		Oct-13	19,060
		Nov-13	19,416
		Dec-13	17,700
		Jan-14	17,807
		Feb-14	18,781
		Mar-14	19,202
		Apr-14	19,619
		May-14	20,138
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	19,977
		<b>Annual Average</b>	<b>19,167</b>

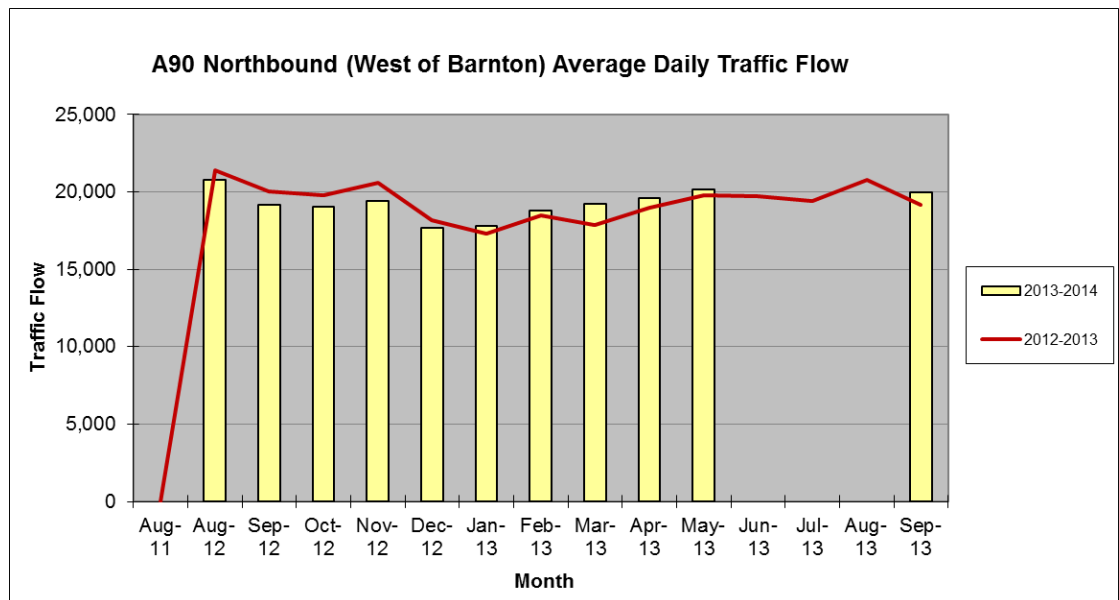
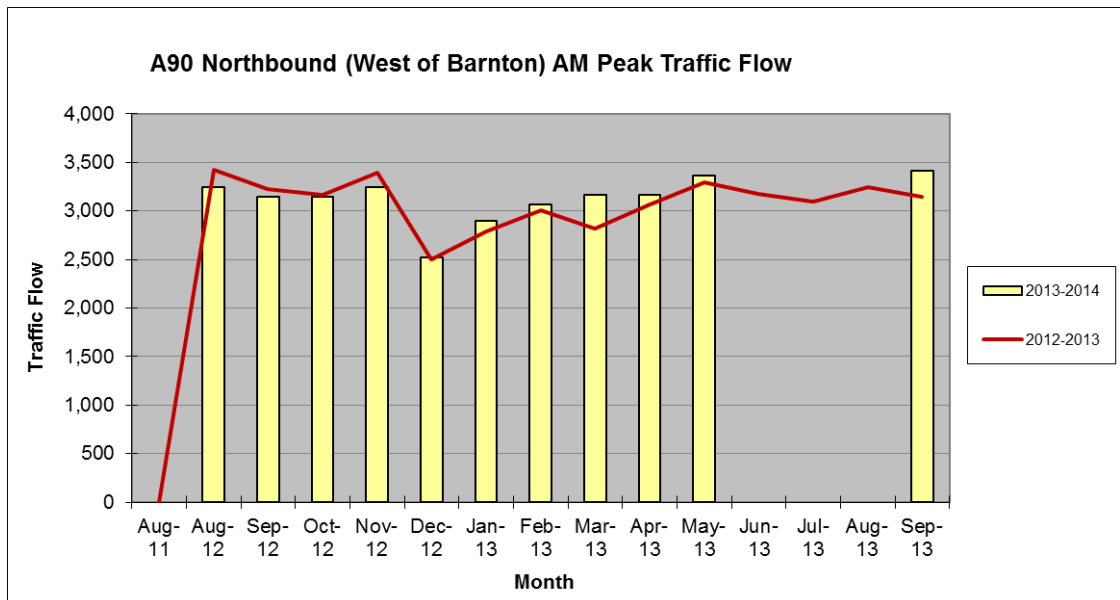


Figure 4-119 Monthly AADTs on the A90 Northbound (West of Barnton)

### 4.19.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-74 Site: NTC00802 Monthly Northbound AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data	No Data
		Aug-13	3,246	5,436
		Sep-13	3,148	5,124
		Oct-13	3,148	5,236
		Nov-13	3,241	5,301
		Dec-13	2,524	4,534
		Jan-14	2,894	4,932
		Feb-14	3,064	5,128
		Mar-14	3,162	5,123
		Apr-14	3,163	5,150
		May-14	3,364	5,196
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	3,415	5,307
				<b>Annual Average</b>



**Figure 4-120 Monthly Northbound AM Peak Flows on the A90 Northbound (West of Barnton)**

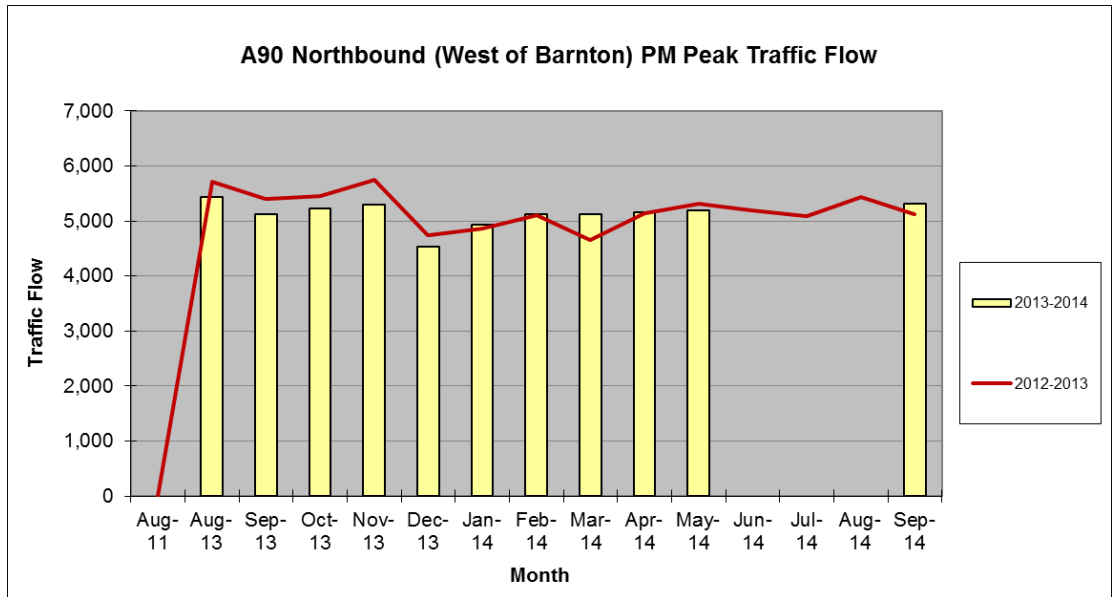


Figure 4-121 Monthly Northbound PM Peak Flows on the A90 Northbound (West of Barnton)

### 4.19.3 Monthly Average HGV Flows

Table 4-75 Site: NTC00802 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Aug-13	480
		Sep-13	442
		Oct-13	425
		Nov-13	416
		Dec-13	368
		Jan-14	399
		Feb-14	423
		Mar-14	474
		Apr-14	487
		May-14	498
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
Sep-14	511		
		<b>Annual Average</b>	<b>441</b>

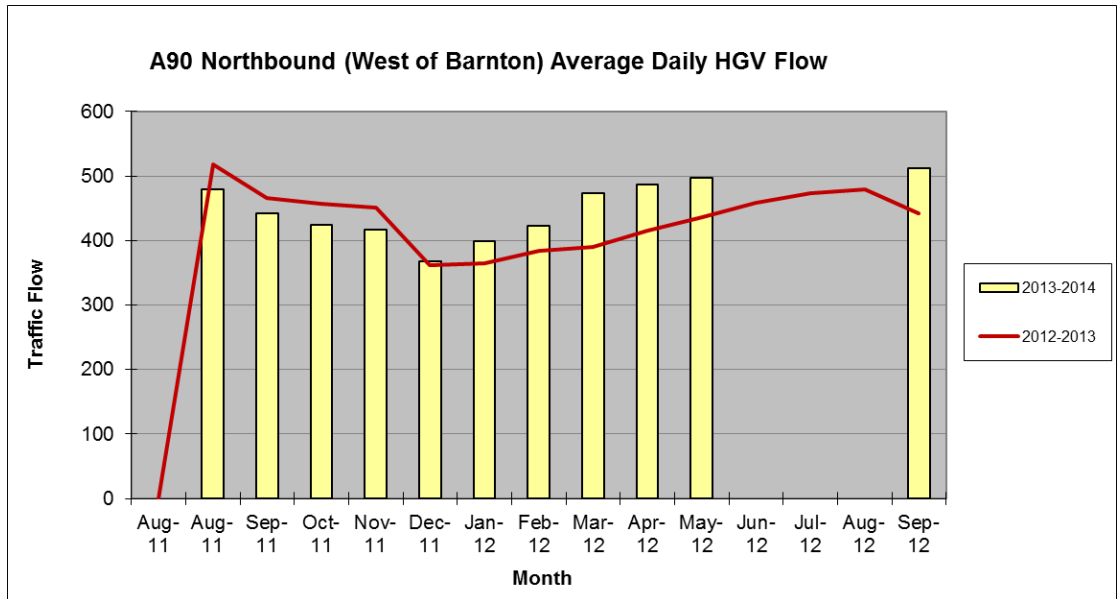


Figure 4-122 Monthly Eastbound HGVS Flows on the A90 Northbound (West of Barnton)

#### 4.19.4 Monthly Average All Vehicles Traffic Speeds

Table 4-76 Site: NTC00802 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-13	72
		Sep-13	72
		Oct-13	71
		Nov-13	72
		Dec-13	72
		Jan-14	72
		Feb-14	73
		Mar-14	73
		Apr-14	72
		May-14	72
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
Sep-14	72		



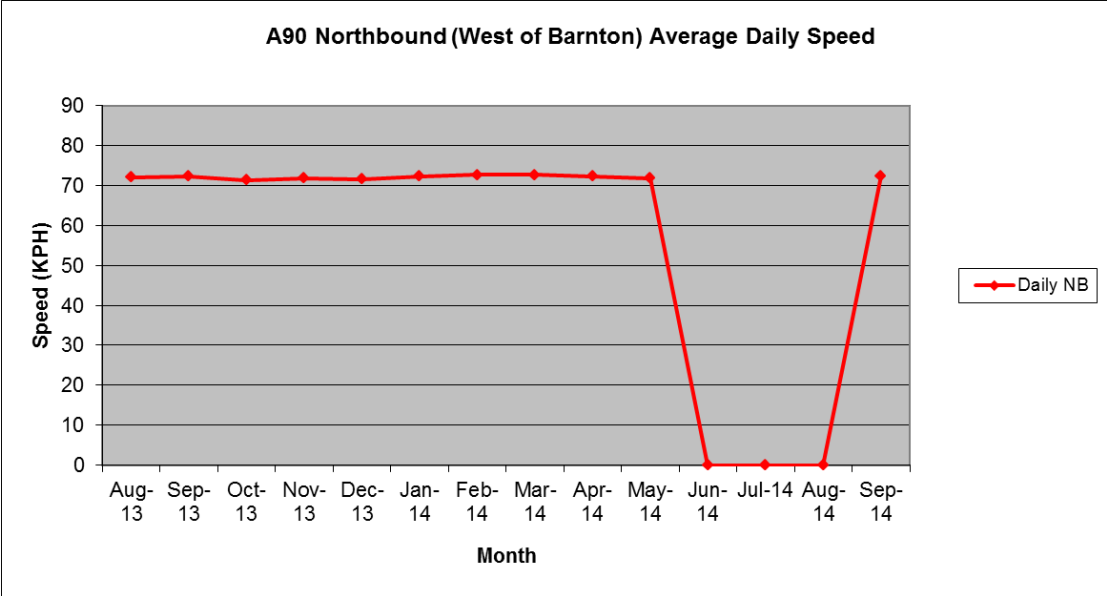


Figure 4-123 Average Monthly Traffic Speeds (KPH) on the A90 Northbound (West of Barnton)

## 4.20 Traffic Counter NTC00803 – A90 Southbound (West of Barnton)

### 4.20.1 Monthly Average Traffic Flows

Table 3-4-77 Site: NTC00803 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Aug-13	19,317
		Sep-13	17,814
		Oct-13	17,530
		Nov-13	18,062
		Dec-13	16,555
		Jan-14	16,646
		Feb-14	17,505
		Mar-14	17,929
		Apr-14	18,153
		May-14	18,591
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	18,434
		<b>Annual Average</b>	<b>17,810</b>

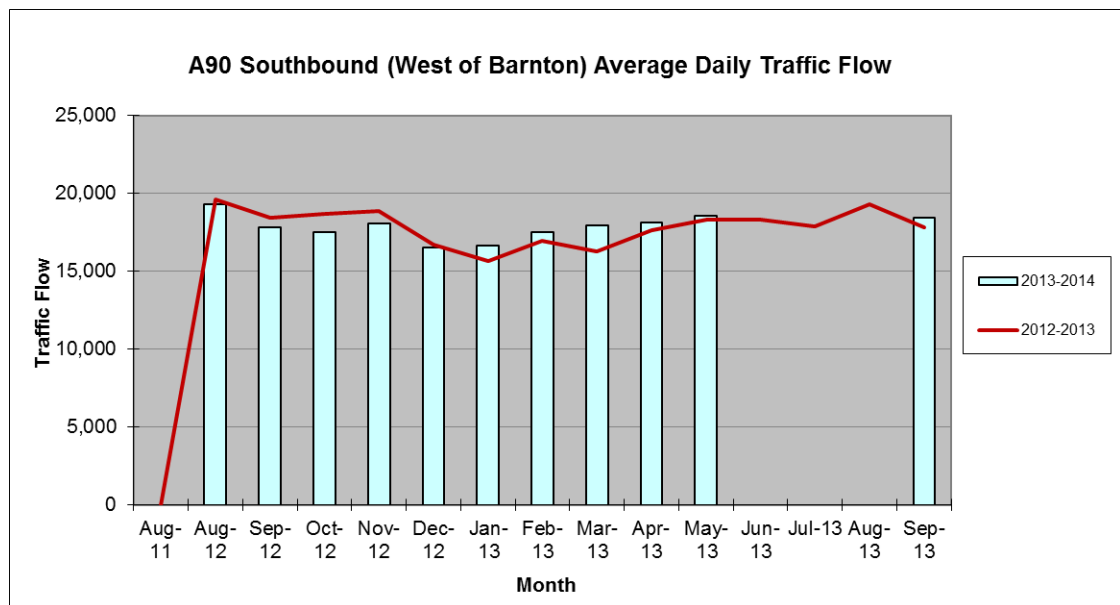
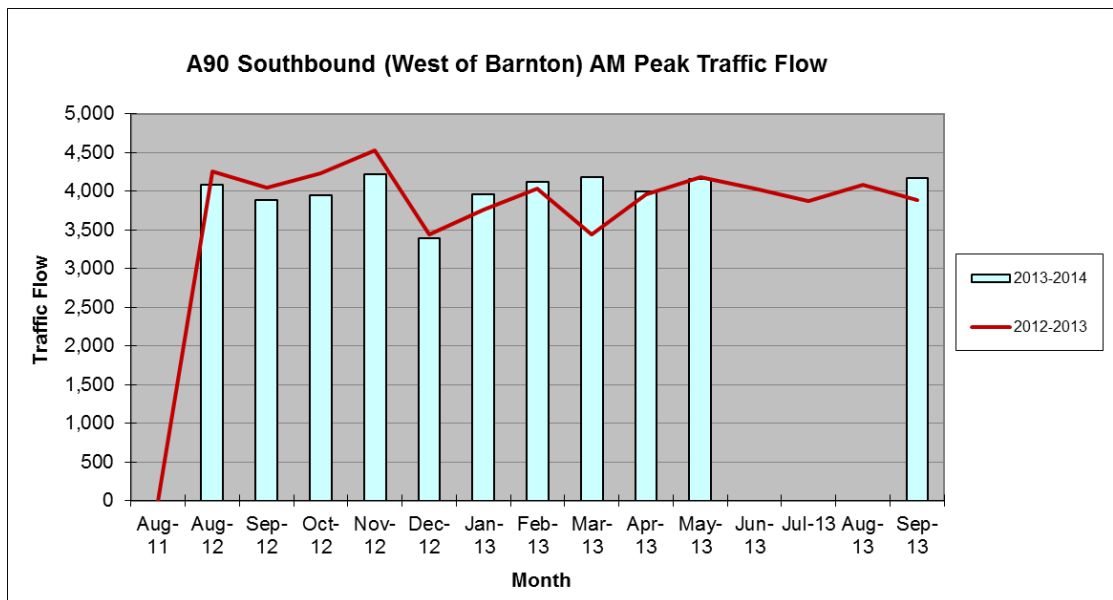


Figure 4-124 Monthly AADTs on the A90 Southbound (West of Barnton)

### 4.20.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-78 Site: NTC00803 Monthly Southbound AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data	No Data
		Aug-13	4,080	4,393
		Sep-13	3,887	4,161
		Oct-13	3,953	4,076
		Nov-13	4,221	4,069
		Dec-13	3,389	3,466
		Jan-14	3,962	3,736
		Feb-14	4,117	3,931
		Mar-14	4,181	4,050
		Apr-14	4,000	4,200
		May-14	4,159	4,203
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	4,171	4,266
		<b>Annual Average</b>	<b>3,995</b>	<b>4,028</b>



**Figure 4-125 Monthly Southbound AM Peak Flows on the A90 Southbound (West of Barnton)**

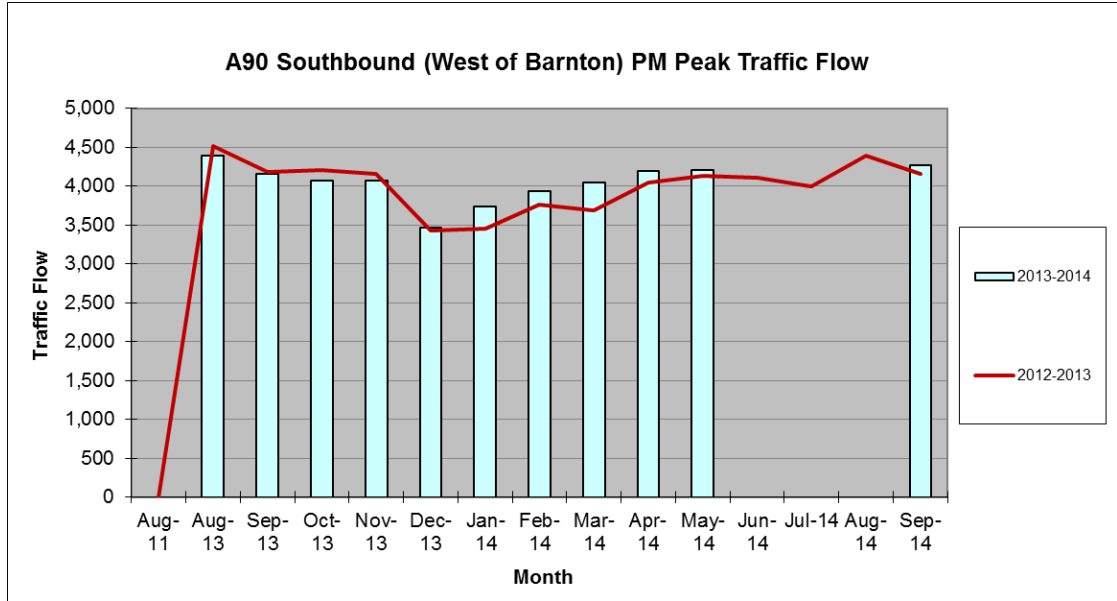


Figure 4-126 Monthly Southbound PM Peak Flows on the A90 Southbound (West of Barnton)

### 4.20.3 Monthly Average HGV Flows

Table 4-79 Site: NTC00803 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Aug-13	394
		Sep-13	350
		Oct-13	335
		Nov-13	330
		Dec-13	302
		Jan-14	321
		Feb-14	338
		Mar-14	391
		Apr-14	394
		May-14	401
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	421
<b>Annual Average</b>			<b>356</b>

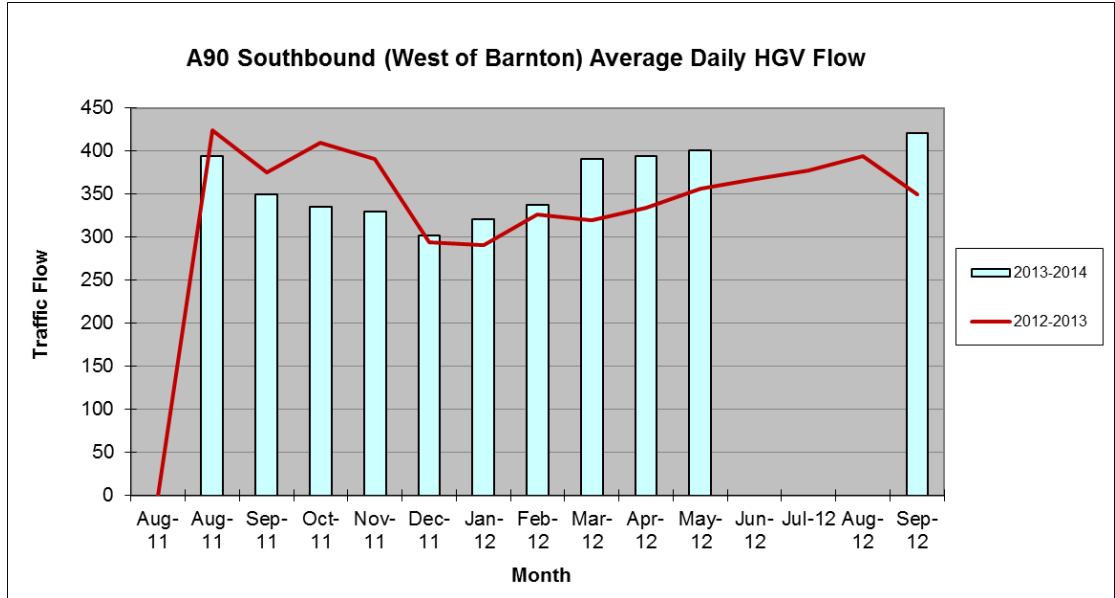


Figure 4-127 Monthly Southbound HGV Flows on the A90 Southbound (West of Barnton)

#### 4.20.4 Monthly Average All Vehicles Traffic Speeds

Table 4-80 Site: NTC00803 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-13	65
		Sep-13	65
		Oct-13	64
		Nov-13	64
		Dec-13	63
		Jan-14	64
		Feb-14	65
		Mar-14	65
		Apr-14	64
		May-14	64
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
Sep-14	65		

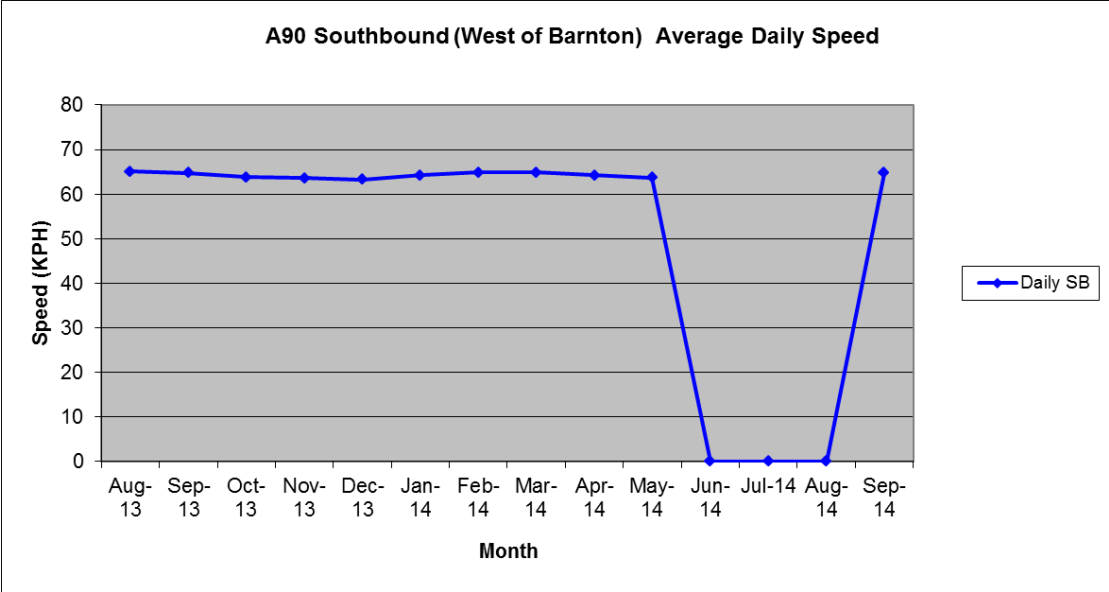


Figure 4-128 Average Monthly Traffic Speeds (KPH) on the A90 Southbound (West of Barnton)

## 4.21 Traffic Counter NTCNT010 – A8 West of A720 City Bypass (Gogar)

### 4.21.1 Monthly Average Traffic Flows

Table 3-4-81 Site: NTCNT010 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	21,732	21,080	42,812
		Aug-13	23,051	22,376	45,427
		Sep-13	22,848	21,950	44,798
		Oct-13	22,473	21,495	43,968
		Nov-13	22,132	21,214	43,346
		Dec-13	19,660	19,199	38,858
		Jan-14	20,071	19,291	39,363
		Feb-14	21,342	20,616	41,958
		Mar-14	21,644	21,135	42,779
		Apr-14	21,752	21,246	42,997
		May-14	22,633	23,364	45,997
		Jun-14	23,367	22,678	46,044
		Jul-14	22,470	22,207	44,676
		Aug-14	22,959	22,709	45,668
		Sep-14	23,331	22,746	46,077
			<b>Annual Average</b>		<b>21,954</b>

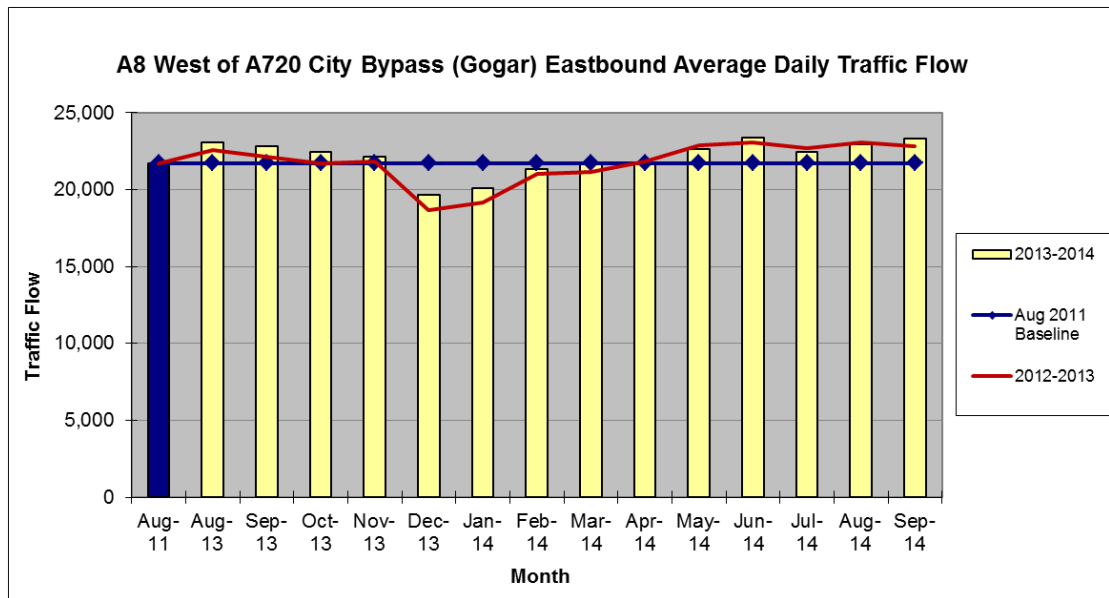


Figure 4-129 Monthly Eastbound AADTs on the A8 West of A720 City Bypass (Gogar)

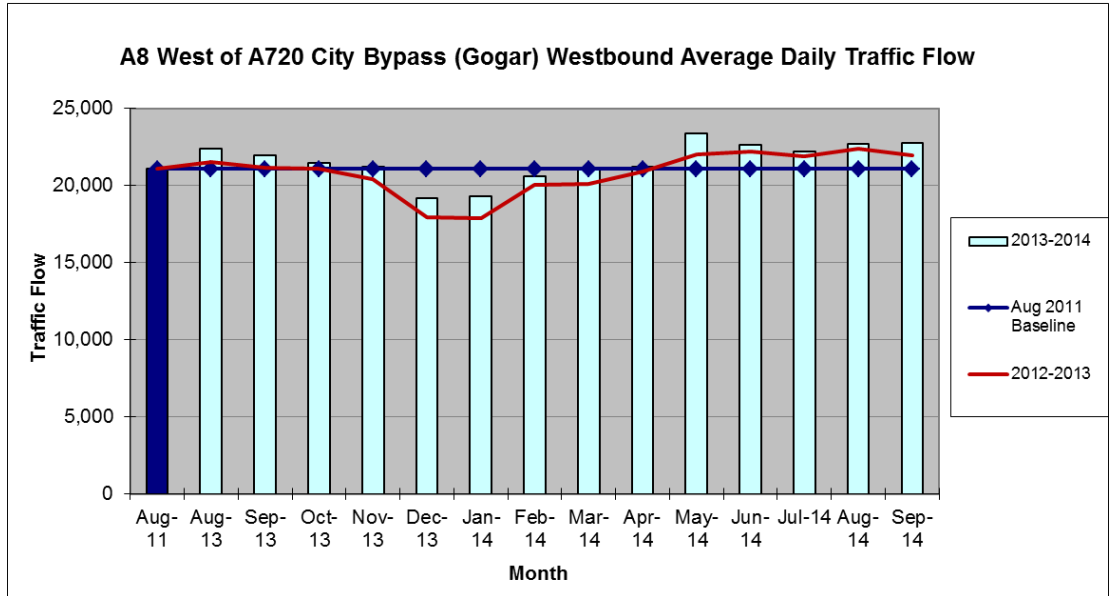


Figure 4-130 Monthly Westbound AADTs on the A8 West of A720 City Bypass (Gogar)

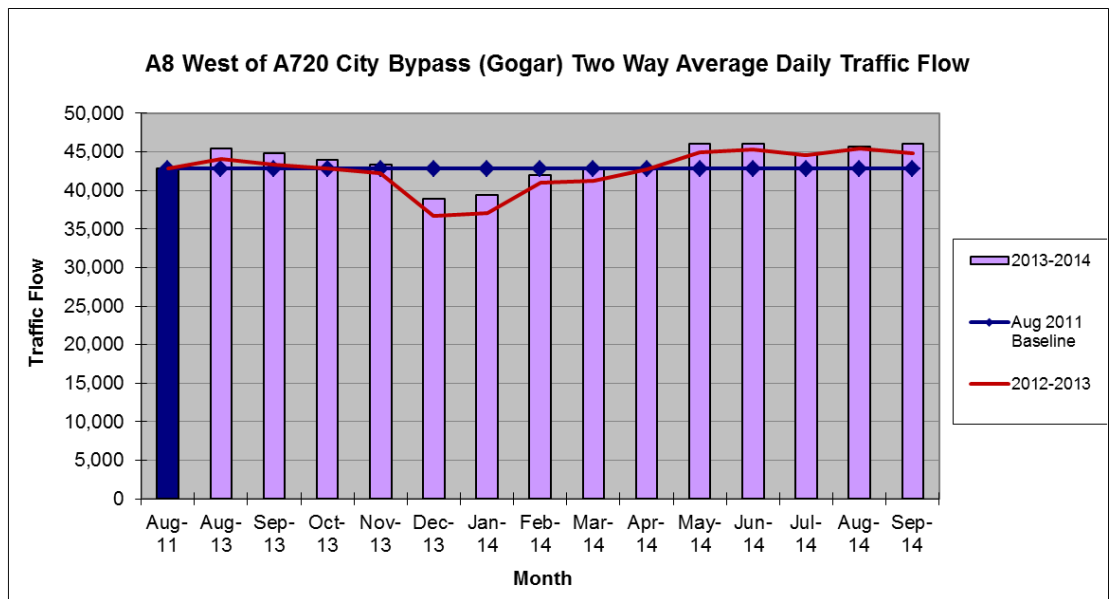


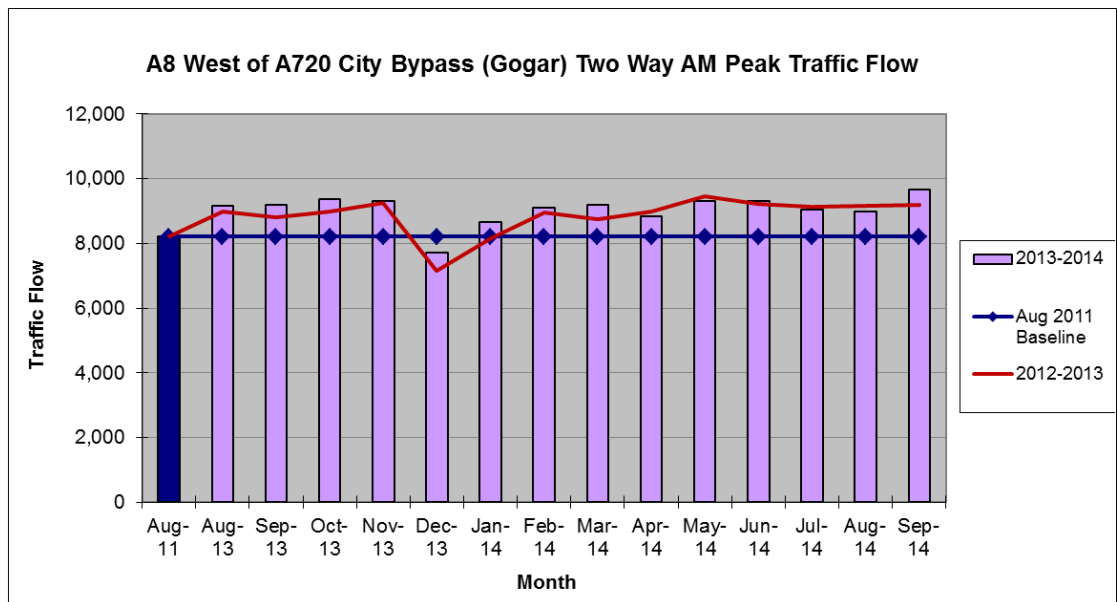
Figure 4-131 Monthly Two Way Daily Traffic Flows on the A8 West of A720 City Bypass (Gogar)



### 4.21.2 Monthly Average AM and PM Peak Traffic Flows

**Table 4-82 Site: NTCNT010 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	8,217	9,045
		Aug-13	9,157	9,345
		Sep-13	9,202	9,326
		Oct-13	9,356	9,305
		Nov-13	9,310	9,226
		Dec-13	7,715	7,838
		Jan-14	8,669	8,588
		Feb-14	9,102	9,081
		Mar-14	9,195	9,084
		Apr-14	8,829	9,000
		May-14	9,303	9,385
		Jun-14	9,318	9,103
		Jul-14	9,041	8,972
		Aug-14	8,978	9,156
		Sep-14	9,656	9,385
		<b>Annual Average</b>	<b>9,017</b>	<b>9,021</b>



**Figure 4-132 Monthly Two Way AM Peak Flows on the A8 West of A720 City Bypass (Gogar)**

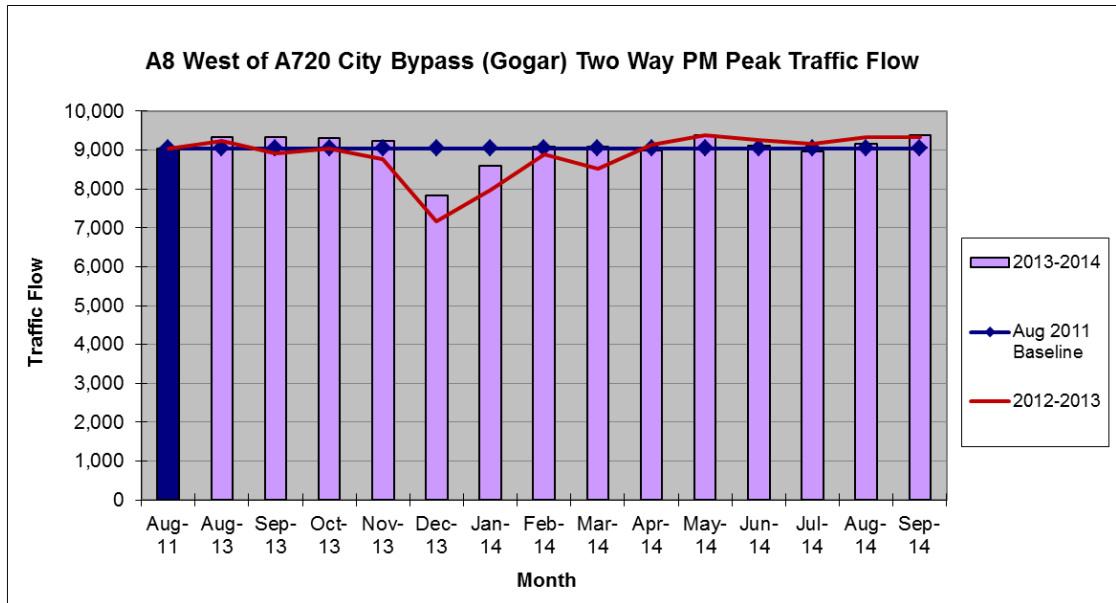


Figure 4-133 Monthly Two Way PM Peak Flows on the A8 West of A720 City Bypass (Gogar)

### 4.21.3 Monthly Average HGV Flows

Table 4-83 Site: NTCNT010 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	7,159
		Aug-13	7,407
		Sep-13	6,872
		Oct-13	6,715
		Nov-13	6,545
		Dec-13	6,132
		Jan-14	6,116
		Feb-14	6,608
		Mar-14	6,920
		Apr-14	7,122
		May-14	7,956
		Jun-14	7,724
		Jul-14	7,545
		Aug-14	7,556
Sep-14	7,269		
	<b>Annual Average</b>	<b>6,972</b>	

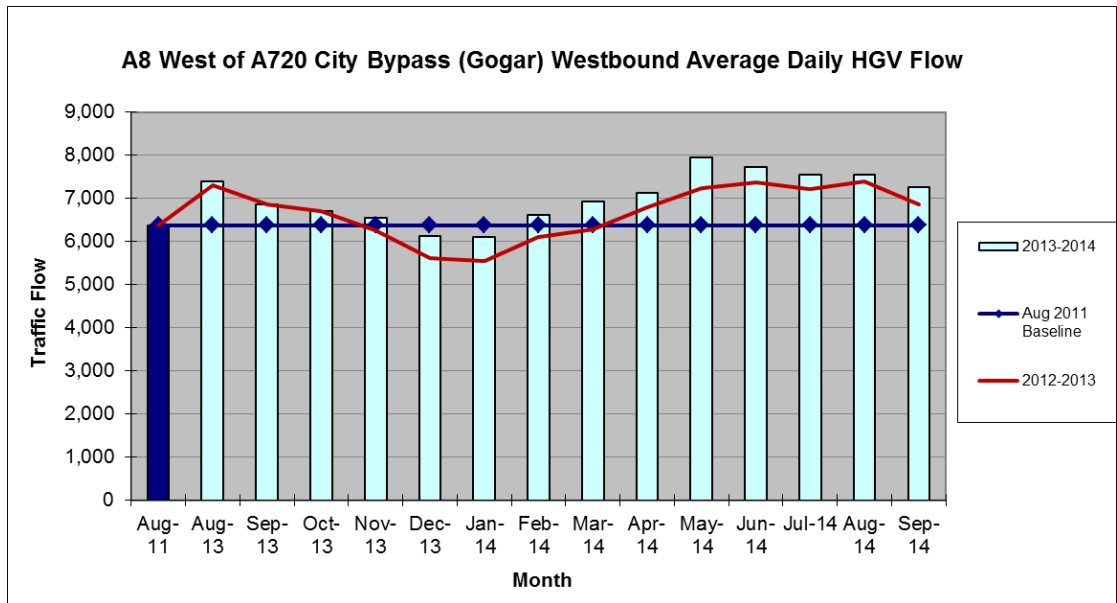
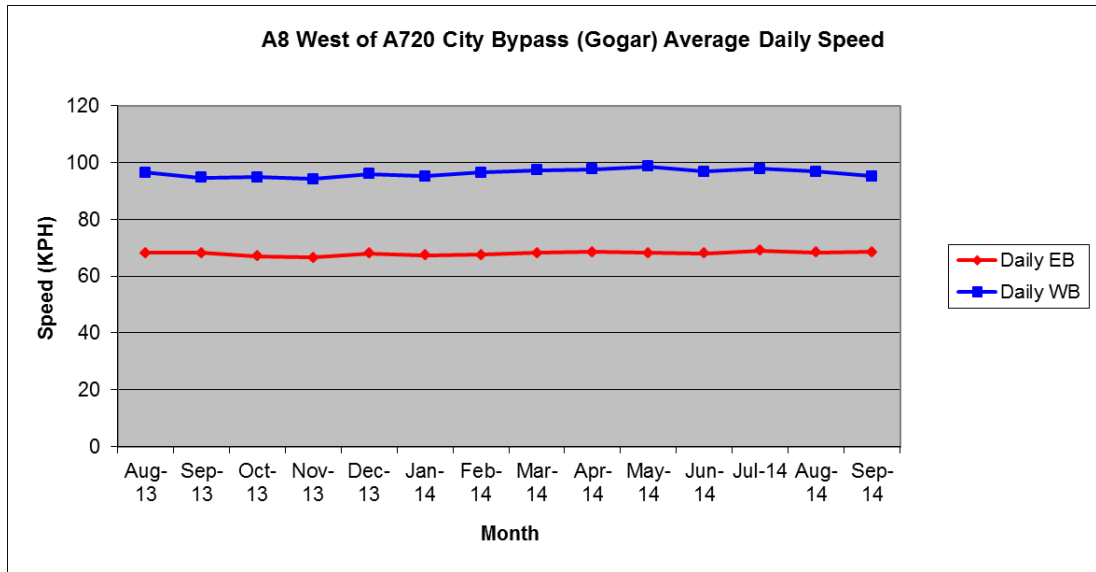


Figure 4-134 Monthly Westbound HGV Flows on the A8 West of A720 City Bypass (Gogar)

#### 4.21.4 Monthly Average All Vehicles Traffic Speeds

Table 4-84 Site: NTCNT010 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-13	68	96
		Sep-13	68	95
		Oct-13	67	95
		Nov-13	67	94
		Dec-13	68	96
		Jan-14	67	95
		Feb-14	68	96
		Mar-14	68	97
		Apr-14	69	98
		May-14	68	99
		Jun-14	68	97
		Jul-14	69	98
		Aug-14	68	97
Sep-14	69	95		



**Figure 4-135 Average Monthly Traffic Speeds (KPH) on the A8 West of A720 City Bypass (Gogar)**

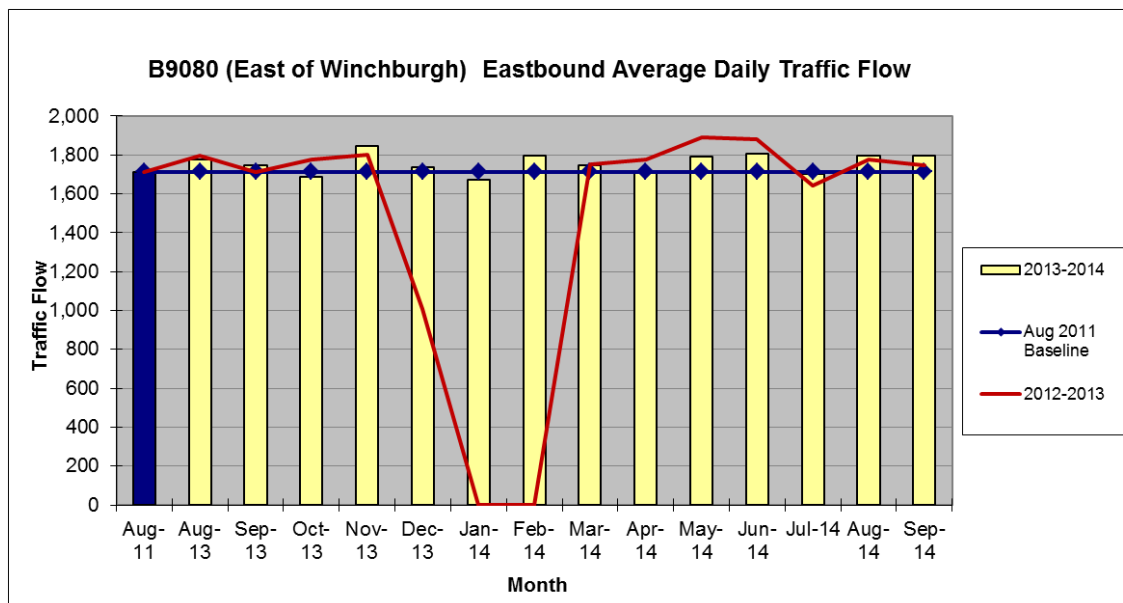
**5 B-Road Automatic Traffic Counter Data**

**5.1 Traffic Counter JTC00396 – B9080 (East of Winchburgh)**

**5.1.1 Monthly Average Traffic Flows**

*Table 3-5-1 Site: JTC00396 Annual Traffic Flows – August 2013 to September 2014*

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	1,712	1,729	3,441
		Aug-13	1,777	1,745	3,522
		Sep-13	1,749	1,699	3,448
		Oct-13	1,687	1,647	3,334
		Nov-13	1,847	1,715	3,562
		Dec-13	1,735	1,640	3,376
		Jan-14	1,672	1,568	3,240
		Feb-14	1,797	1,679	3,477
		Mar-14	1,745	1,655	3,400
		Apr-14	1,719	1,679	3,398
		May-14	1,790	1,707	3,497
		Jun-14	1,804	1,700	3,505
		Jul-14	1,702	1,634	3,336
		Aug-14	1,797	1,708	3,505
		Sep-14	1,795	1,707	3,502
			<b>Annual Average</b>		<b>1,752</b>



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

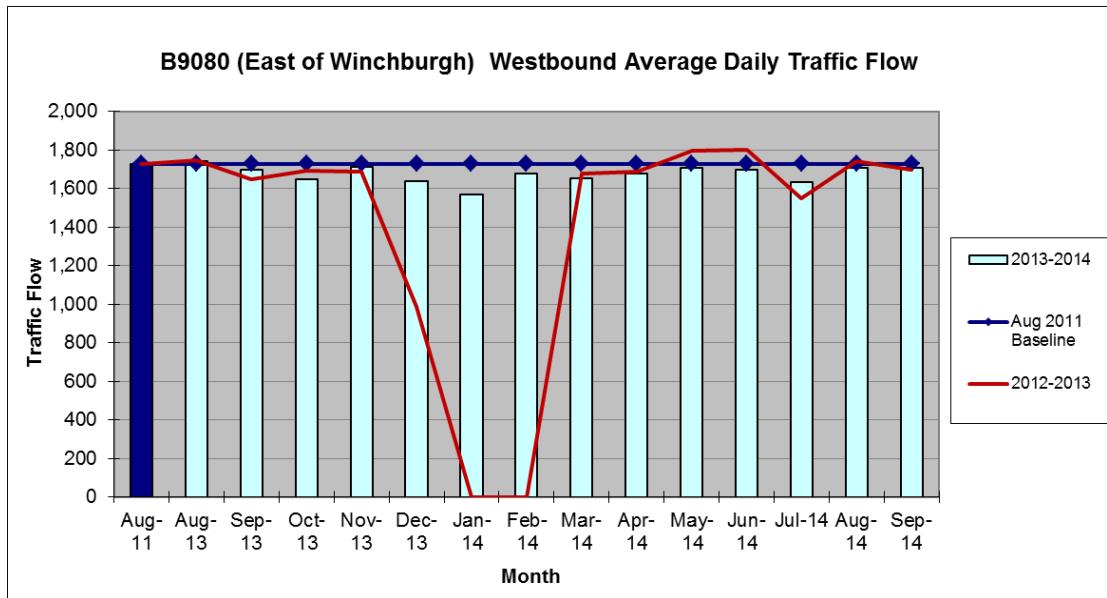


Figure 5-2 Monthly Westbound AADTs on the B9080 (East of Winchburgh)

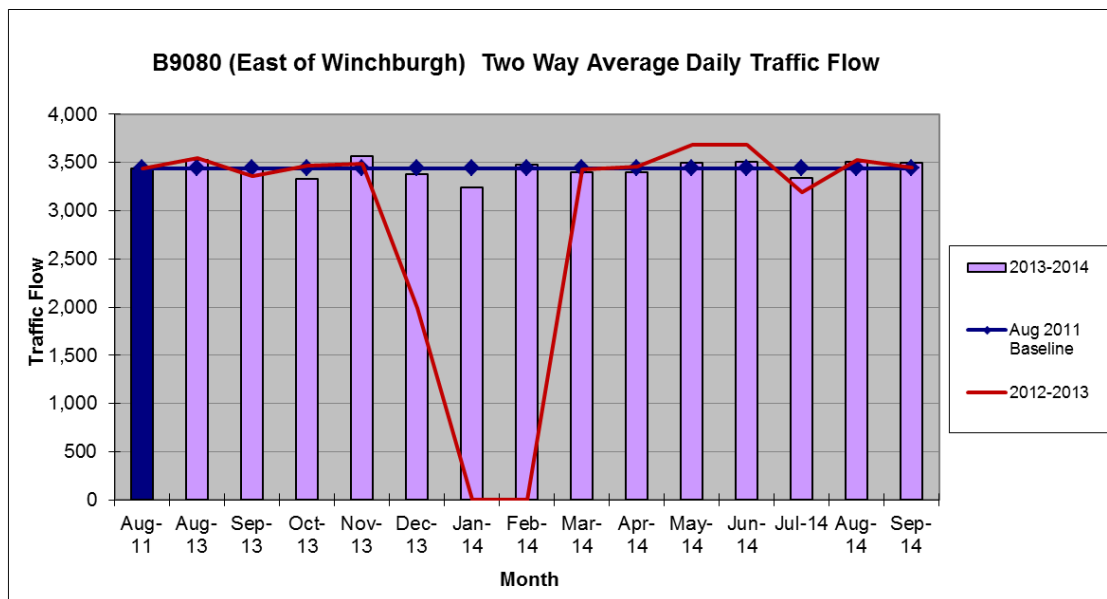
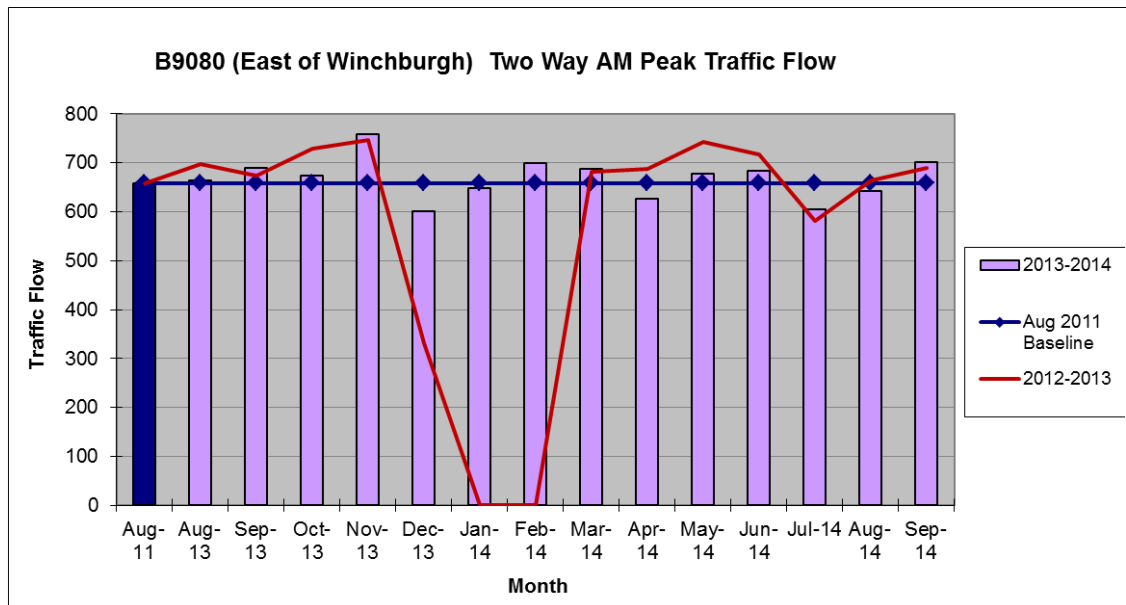


Figure 5-3 Monthly Two Way Daily Traffic Flows on the B9080 (East of Winchburgh)

### 5.1.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-2 Site: JTC00396 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00396	B9080 (East of Winchburgh)	Aug-11	658	868
		Aug-13	664	821
		Sep-13	690	826
		Oct-13	674	795
		Nov-13	759	811
		Dec-13	601	734
		Jan-14	648	769
		Feb-14	700	838
		Mar-14	689	802
		Apr-14	627	833
		May-14	679	835
		Jun-14	683	829
		Jul-14	605	798
		Aug-14	642	837
		Sep-14	702	841
	<b>Annual Average</b>		<b>668</b>	<b>808</b>



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

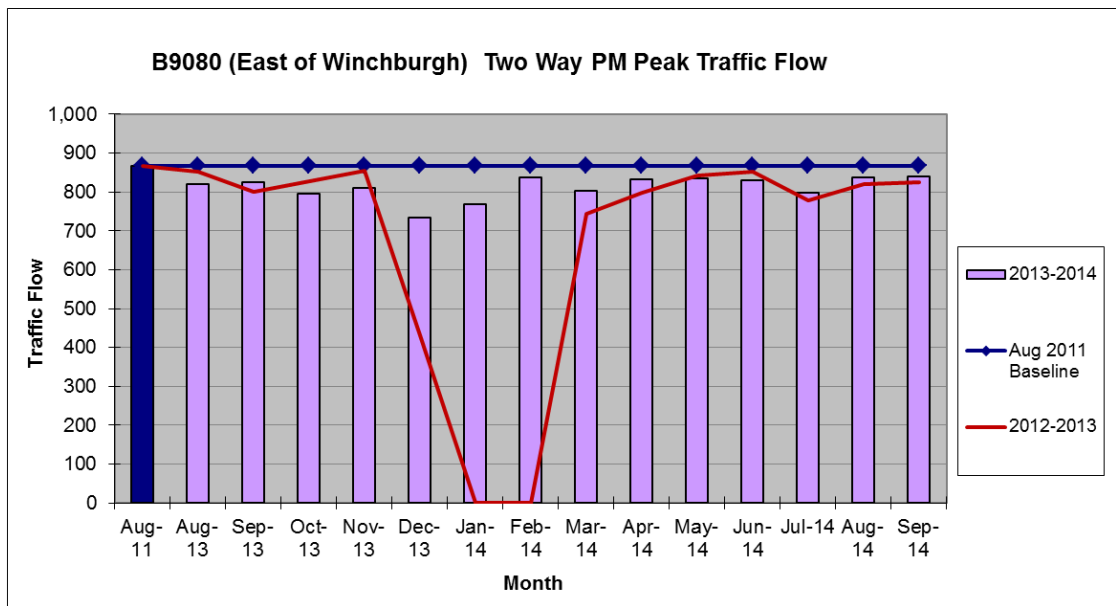


Figure 5-5 Monthly Two Way PM Peak Flows on the B9080 (East of Winchburgh)

### 5.1.3 Monthly Average HGV Flows

Table 5-3 Site: JTC00396 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	127
		Aug-13	133
		Sep-13	139
		Oct-13	135
		Nov-13	129
		Dec-13	113
		Jan-14	120
		Feb-14	131
		Mar-14	131
		Apr-14	127
		May-14	120
		Jun-14	119
		Jul-14	121
		Aug-14	126
		Sep-14	127
		<b>Annual Average</b>	<b>126</b>



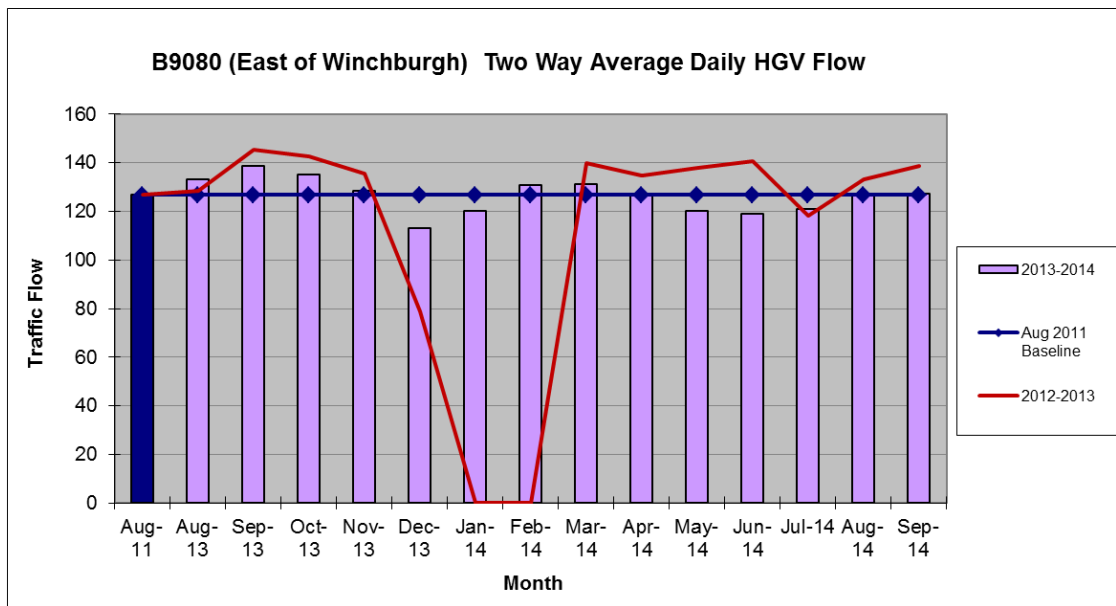


Figure 5-6 Monthly Two Way HGV Flows on the B9080 (East of Winchburgh)

### 5.1.4 Monthly Average All Vehicles Traffic Speeds

Table 5-4 Site: JTC00396 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00396	B9080 (East of Winchburgh)	Aug-13	67	68
		Sep-13	67	68
		Oct-13	67	68
		Nov-13	67	66
		Dec-13	67	67
		Jan-14	67	67
		Feb-14	67	68
		Mar-14	66	68
		Apr-14	68	69
		May-14	68	70
		Jun-14	67	69
		Jul-14	68	69
		Aug-14	68	69
Sep-14	68	68		

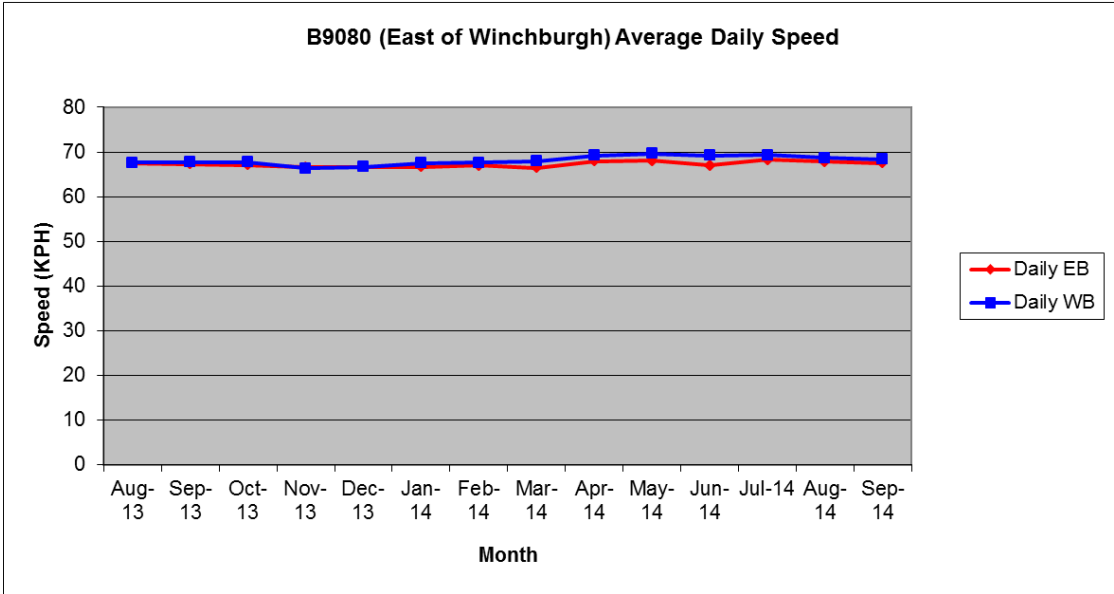


Figure 5-7 Average Monthly Traffic Speeds (KPH) on the B9080 (East of Winchburgh)

## 5.2 Traffic Counter JTC00575 – B924 Bo’ness Road (South Queensferry)

### 5.2.1 Monthly Average Traffic Flows

Table 3-5-5 Site: JTC00575 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo’ness Road (South Queensferry)	Aug-11	2,614	2,784	5,399
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		Oct-13	No Data	No Data	No Data
		Nov-13	No Data	No Data	No Data
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	No Data	No Data	No Data
		Apr-14	No Data	No Data	No Data
		May-14	No Data	No Data	No Data
		Jun-14	No Data	No Data	No Data
		Jul-14	No Data	No Data	No Data
		Aug-14	No Data	No Data	No Data
		Sep-14	2,067	2,085	4,152
		<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	<b>No Data</b>

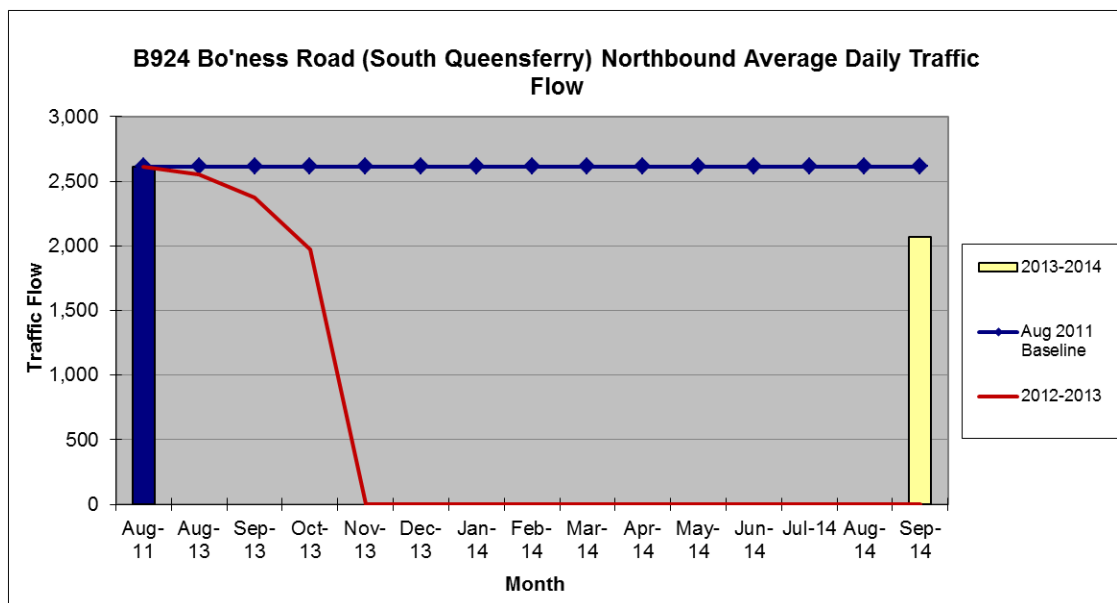


Figure 5-8 Monthly Eastbound AADTs on the B924 Bo’ness Road (South Queensferry)

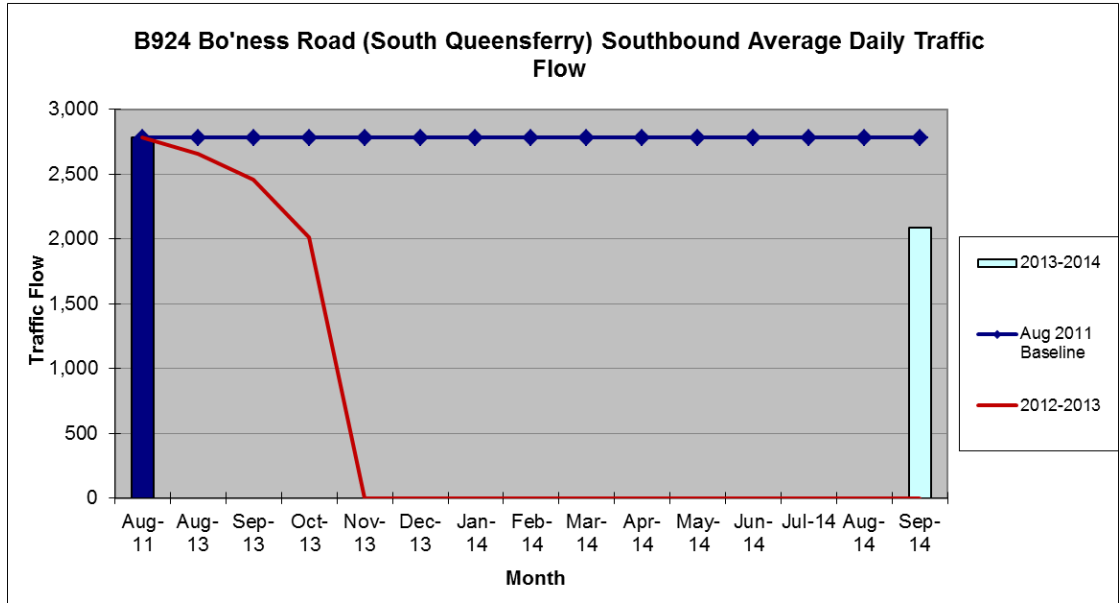


Figure 5-9 Monthly Westbound AADTs on the B924 Bo'ness Road (South Queensferry)

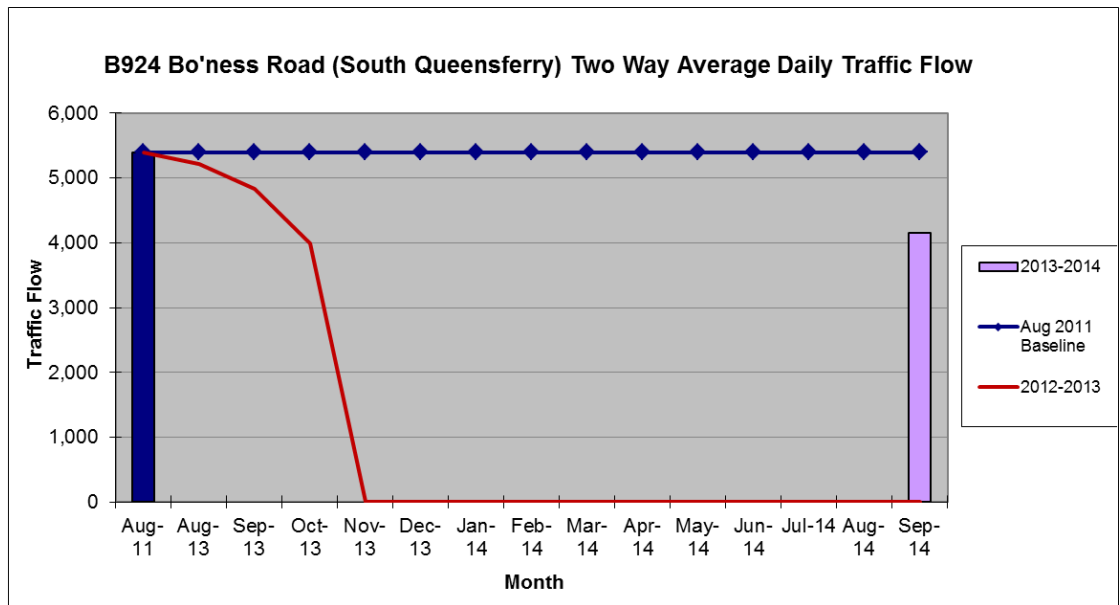
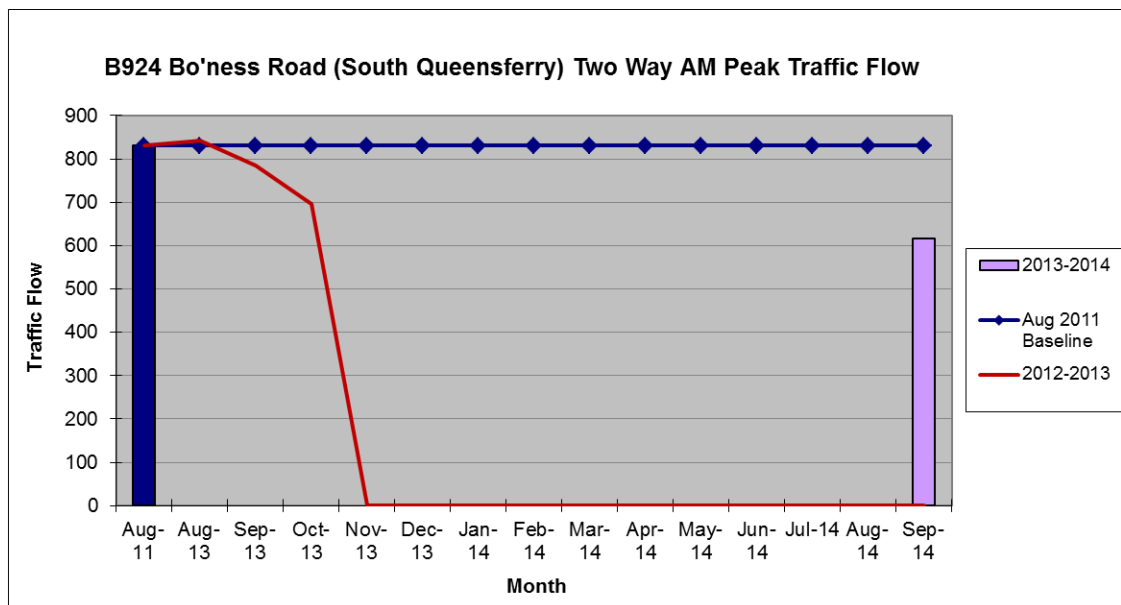


Figure 5-10 Monthly Two Way Daily Traffic Flows on the B924 Bo'ness Road (South Queensferry)

### 5.2.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-6 Site: JTC00575 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	831	1,190
		Aug-13	No Data	No Data
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	617	988
<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>		



**Figure 5-11 Monthly Two Way AM Peak Flows on the B924 Bo'ness Road (South Queensferry)**

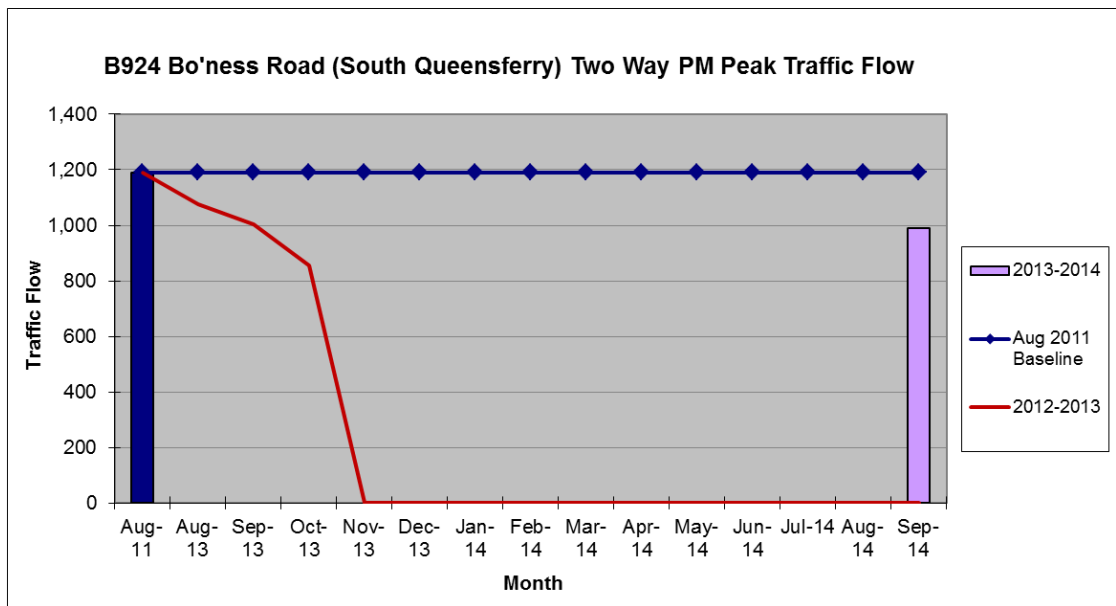


Figure 5-12 Monthly Two Way PM Peak Flows on the B924 Bo'ness Road (South Queensferry)

### 5.2.3 Monthly Average HGV Flows

Table 5-7 Site: JTC00575 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	136
		Aug-13	No Data
		Sep-13	No Data
		Oct-13	No Data
		Nov-13	No Data
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	No Data
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	109
		<b>Annual Average</b>	<b>No Data</b>

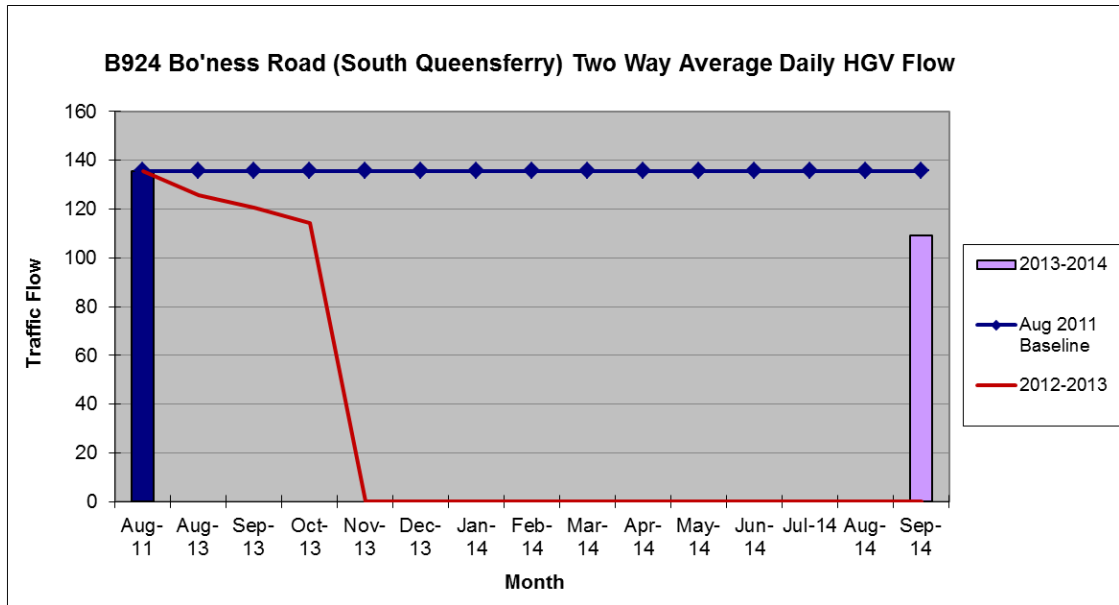


Figure 5-13 Monthly Two Way HGV Flows on the B924 Bo'ness Road (South Queensferry)

### 5.2.4 Monthly Average All Vehicles Traffic Speeds

Table 5-8 Site: JTC00575 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-13	No Data	No Data
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	54	54

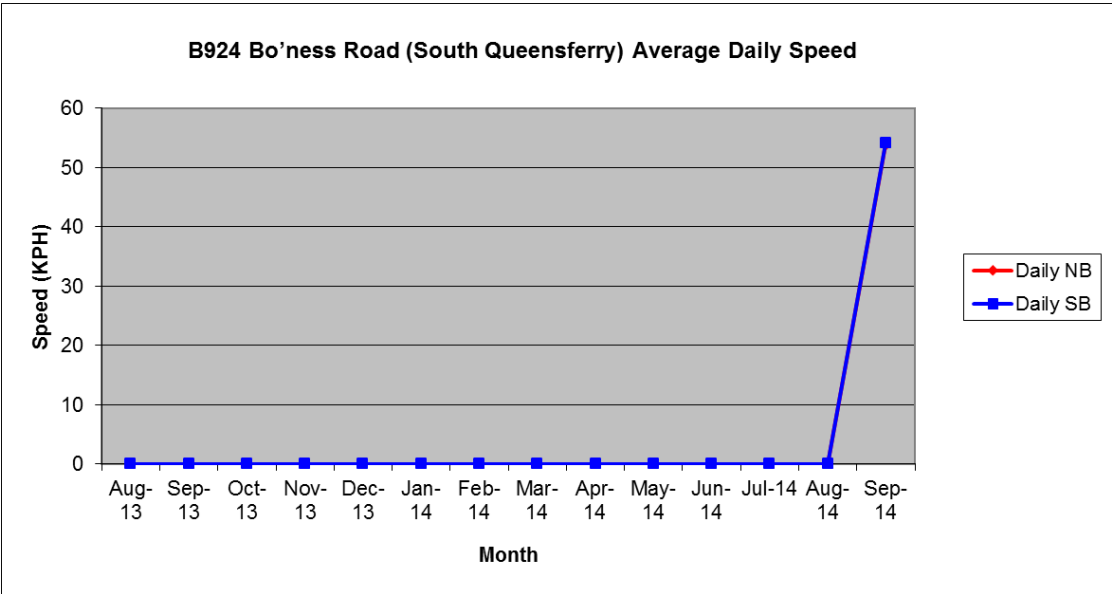


Figure 5-14 Average Monthly Traffic Speeds (KPH) on the B924 Bo'ness Road (South Queensferry)



### 5.3 Traffic Counter JTC00577 – B800 Queensferry Road (North of Kirkliston)

#### 5.3.1 Monthly Average Traffic Flows

Table 3-5-9 Site: JTC00577 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	3,189	3,494	6,683
		Aug-13	3,506	No Data	No Data
		Sep-13	3,381	No Data	No Data
		Oct-13	3,239	No Data	No Data
		Nov-13	3,339	No Data	No Data
		Dec-13	3,117	No Data	No Data
		Jan-14	3,107	No Data	No Data
		Feb-14	3,254	No Data	No Data
		Mar-14	3,233	No Data	No Data
		Apr-14	3,227	No Data	No Data
		May-14	3,467	No Data	No Data
		Jun-14	3,557	No Data	No Data
		Jul-14	3,447	No Data	No Data
		Aug-14	3,539	No Data	No Data
		Sep-14	3,439	No Data	No Data
		<b>Annual Average</b>	<b>3,323</b>	<b>No Data</b>	<b>No Data</b>

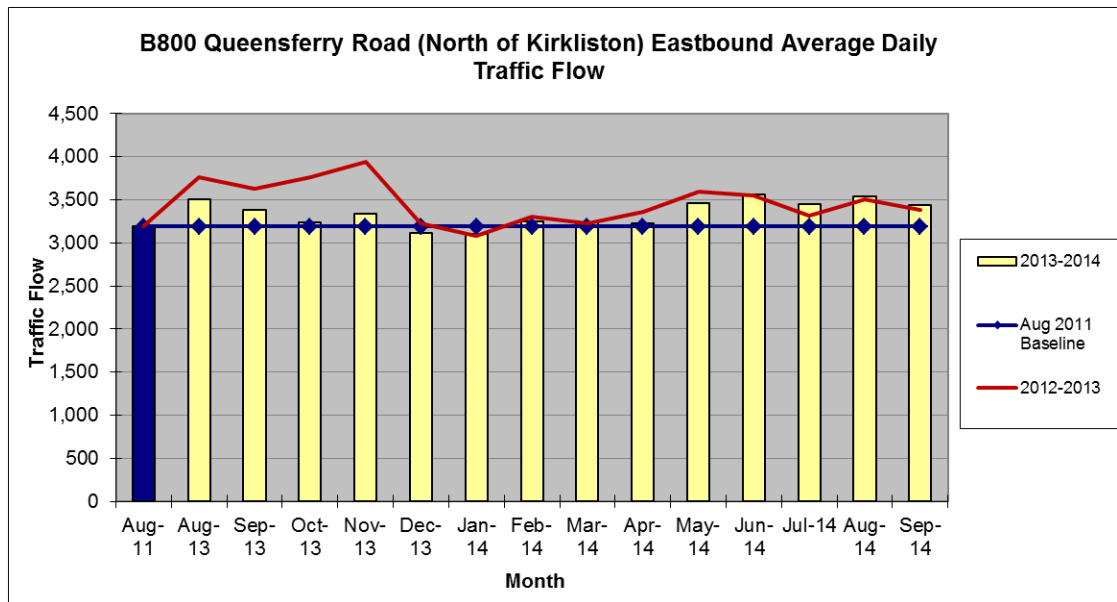


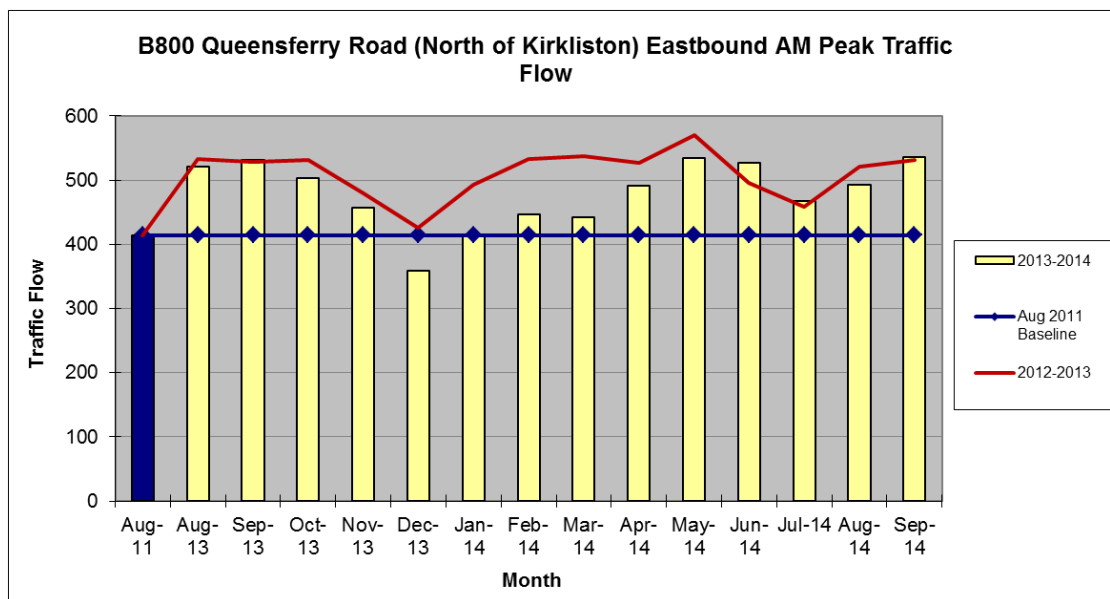
Figure 5-15 Monthly Eastbound AADTs on the B800 Queensferry Road (North of Kirkliston)

### 5.3.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-10 Site: JTC00577 Monthly Eastbound AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	414*	988*
		Aug-13	521	944
		Sep-13	532	923
		Oct-13	504	897
		Nov-13	457	877
		Dec-13	358	782
		Jan-14	416	807
		Feb-14	447	846
		Mar-14	442	825
		Apr-14	491	834
		May-14	535	916
		Jun-14	526	964
		Jul-14	468	969
		Aug-14	493	1,021
		Sep-14	536	982
		<b>Annual Average</b>	<b>475</b>	<b>882</b>

\*Eastbound only



**Figure 5-16 Monthly Two Way AM Peak Flows on the B800 Queensferry Road (North of Kirkliston)**

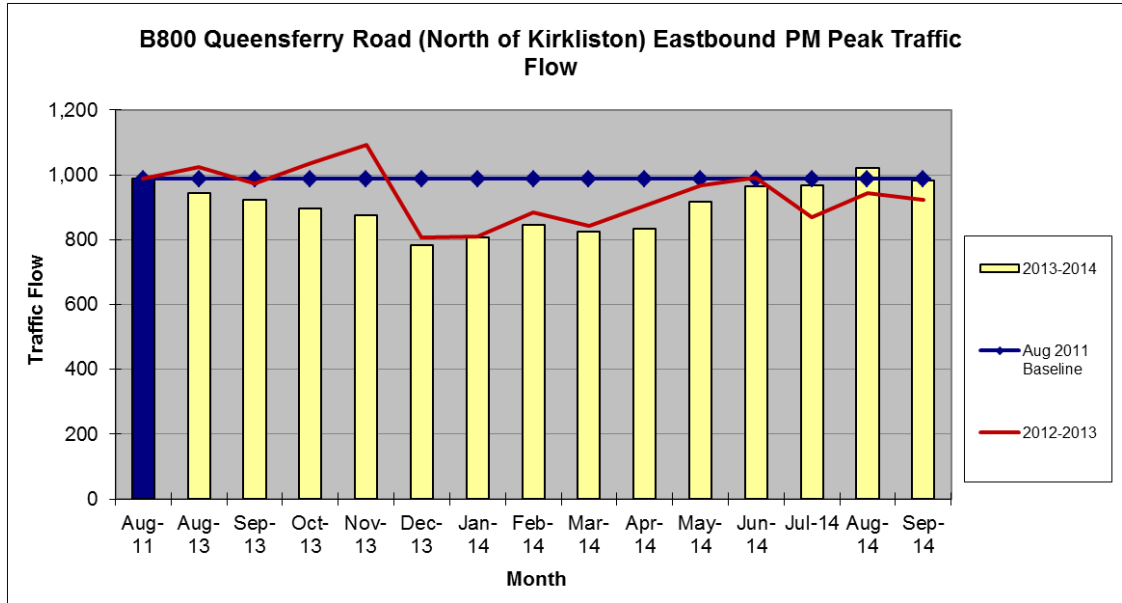


Figure 5-17 Monthly Two Way PM Peak Flows on the B800 Queensferry Road (North of Kirkliston)

### 5.3.3 Monthly Average HGV Flows

Table 5-11 Site: JTC00577 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-11	31*
		Aug-13	40
		Sep-13	43
		Oct-13	40
		Nov-13	42
		Dec-13	34
		Jan-14	38
		Feb-14	38
		Mar-14	37
		Apr-14	33
		May-14	30
		Jun-14	31
		Jul-14	31
		Aug-14	35
		Sep-14	37
		<b>Annual Average</b>	<b>36</b>

\*Eastbound only

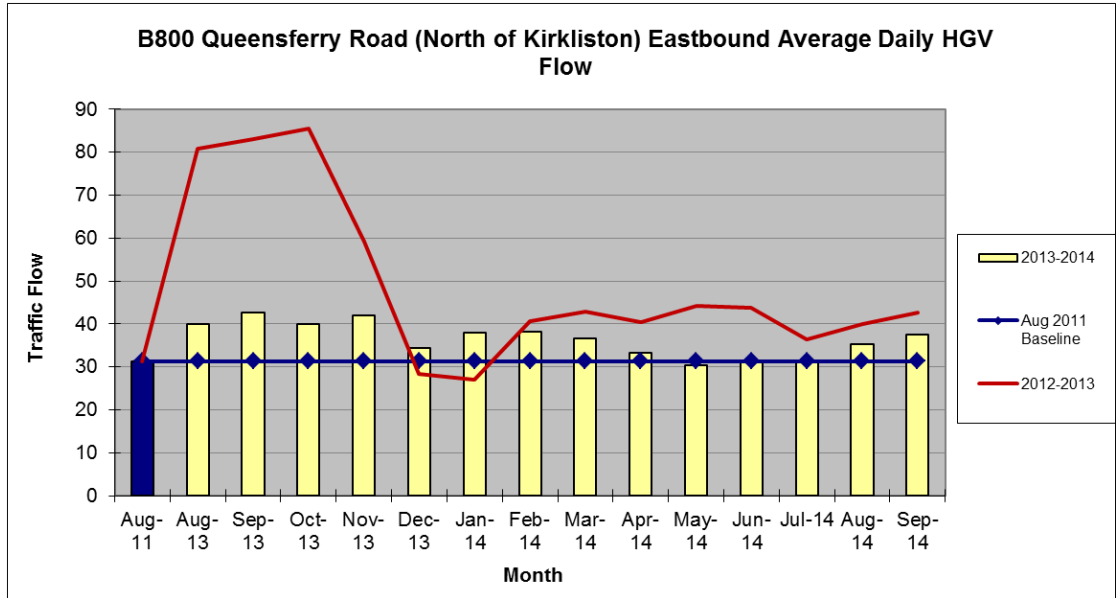
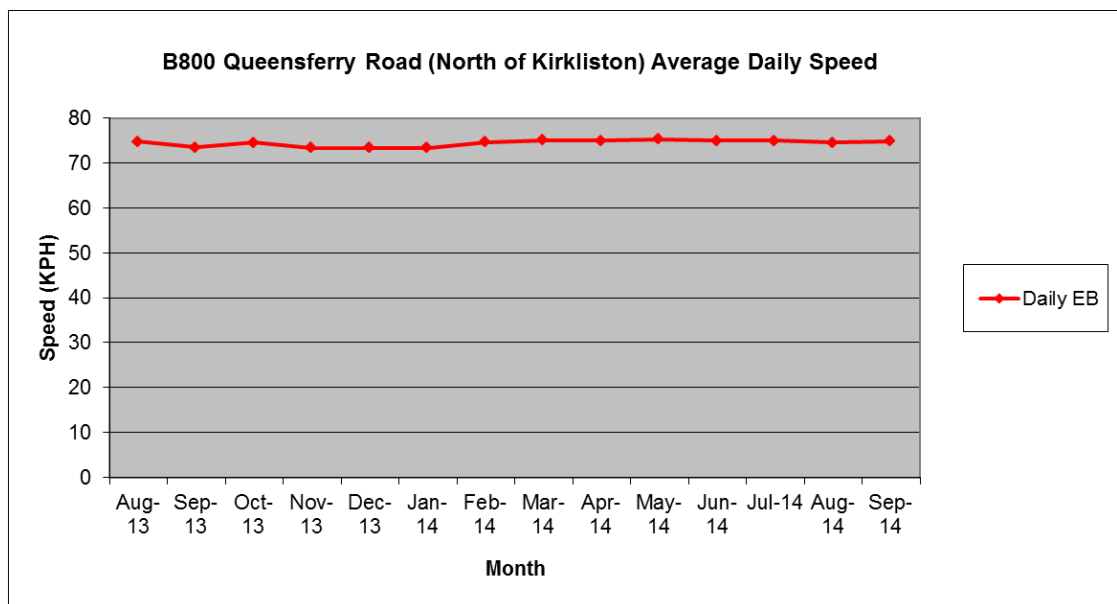


Figure 5-18 Monthly Eastbound HGV Flows on the B800 Queensferry Road (North of Kirkliston)

### 5.3.4 Monthly Average All Vehicles Traffic Speeds

**Table 5-12 Site: JTC00577 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB	WB
JTC00577	B800 Queensferry Road (North of Kirkliston)	Aug-13	75	No Data
		Sep-13	73	No Data
		Oct-13	74	No Data
		Nov-13	73	No Data
		Dec-13	73	No Data
		Jan-14	73	No Data
		Feb-14	75	No Data
		Mar-14	75	No Data
		Apr-14	75	No Data
		May-14	75	No Data
		Jun-14	75	No Data
		Jul-14	75	No Data
		Aug-14	74	No Data
		Sep-14	75	No Data



**Figure 5-19 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 3-5-13 Site: JTC00581 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	5,249	5,411	10,661
		Aug-13	5,297	5,943	11,240
		Sep-13	4,987	5,646	10,633
		Oct-13	4,879	5,500	10,379
		Nov-13	5,059	5,752	10,811
		Dec-13	4,813	5,392	10,205
		Jan-14	4,646	5,220	9,867
		Feb-14	4,949	5,574	10,523
		Mar-14	4,830	5,429	10,259
		Apr-14	5,039	5,620	10,659
		May-14	5,188	5,889	11,077
		Jun-14	5,072	5,732	10,804
		Jul-14	5,004	5,596	10,600
		Aug-14	5,273	5,988	11,261
		Sep-14	5,209	5,905	11,114
<b>Annual Average</b>			<b>4,980</b>	<b>5,608</b>	<b>10,588</b>

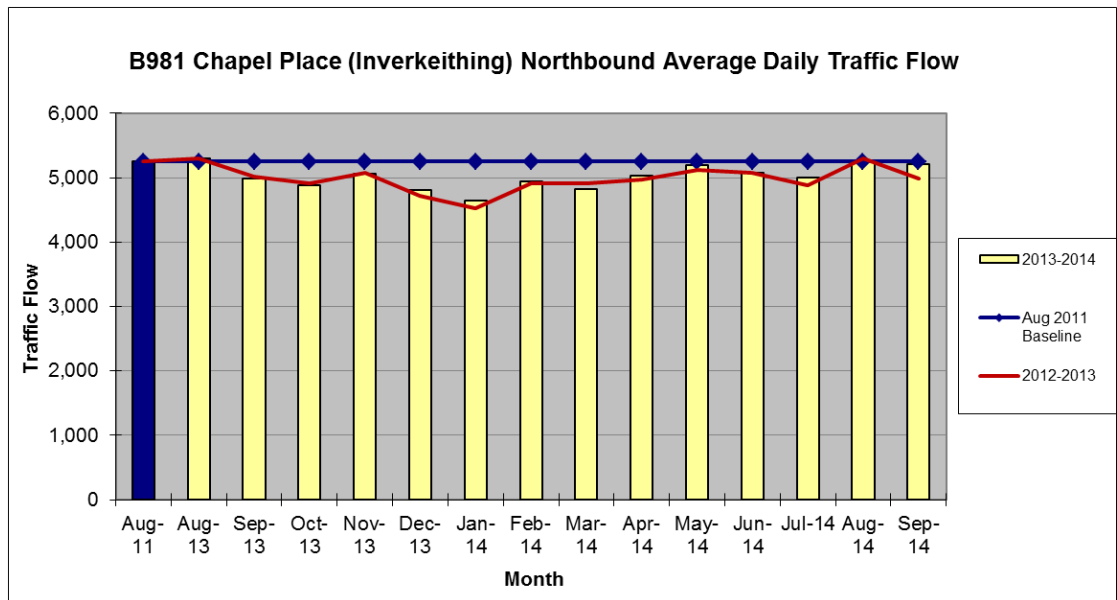


Figure 5-20 Monthly Northbound AADTs on the B981 Chapel Place (Inverkeithing)

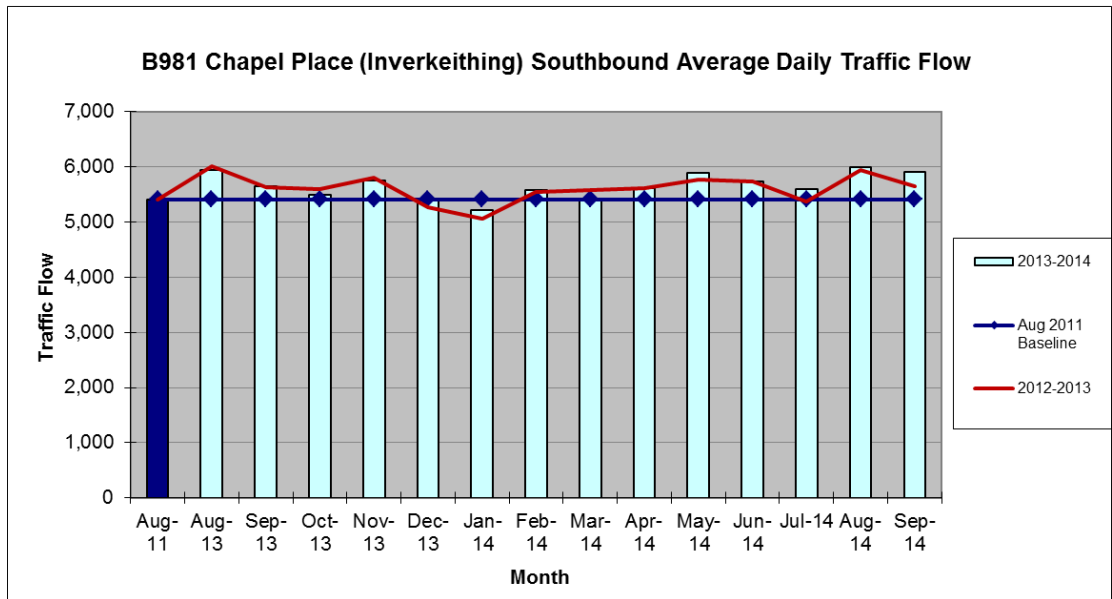


Figure 5-21 Monthly Southbound AADTs on the B981 Chapel Place (Inverkeithing)

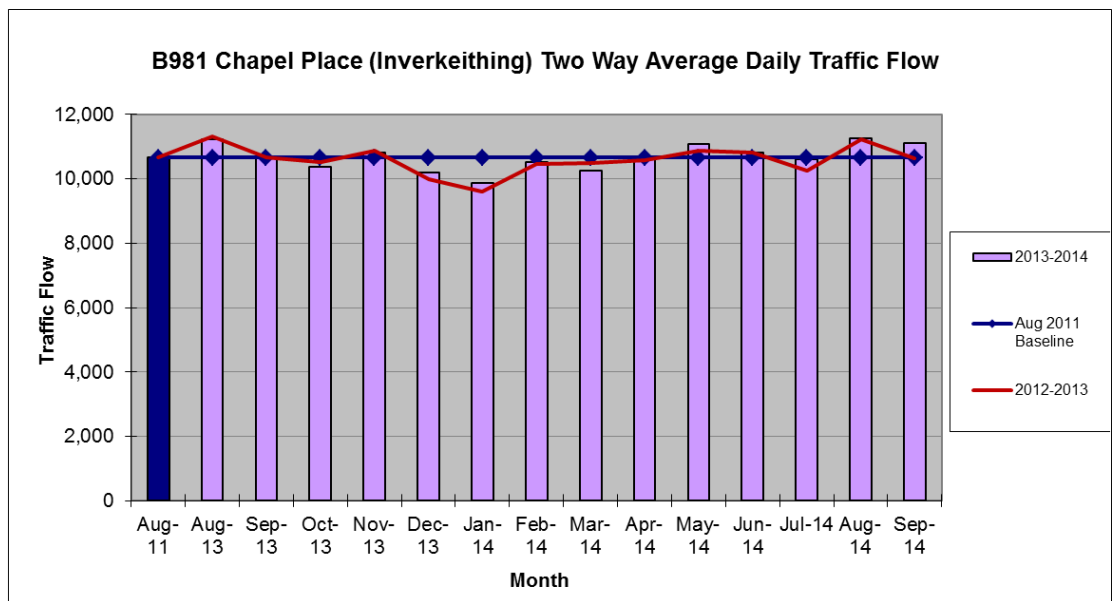


Figure 5-22 Monthly Two Way Daily Traffic Flows on the B981 Chapel Place (Inverkeithing)

### 5.4.2 Monthly Average AM and PM Peak Traffic Flows

Table 5-14 Site: JTC00581 AM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	1,798	2,528
		Aug-13	1,878	2,652
		Sep-13	1,961	2,604
		Oct-13	1,864	2,504
		Nov-13	1,763	2,514
		Dec-13	1,412	2,283
		Jan-14	1,598	2,331
		Feb-14	1,699	2,457
		Mar-14	1,701	2,352
		Apr-14	1,870	2,516
		May-14	1,996	2,662
		Jun-14	1,946	2,545
		Jul-14	1,735	2,533
		Aug-14	1,838	2,713
		Sep-14	2,028	2,715
		<b>Annual Average</b>	<b>1,785</b>	<b>2,496</b>

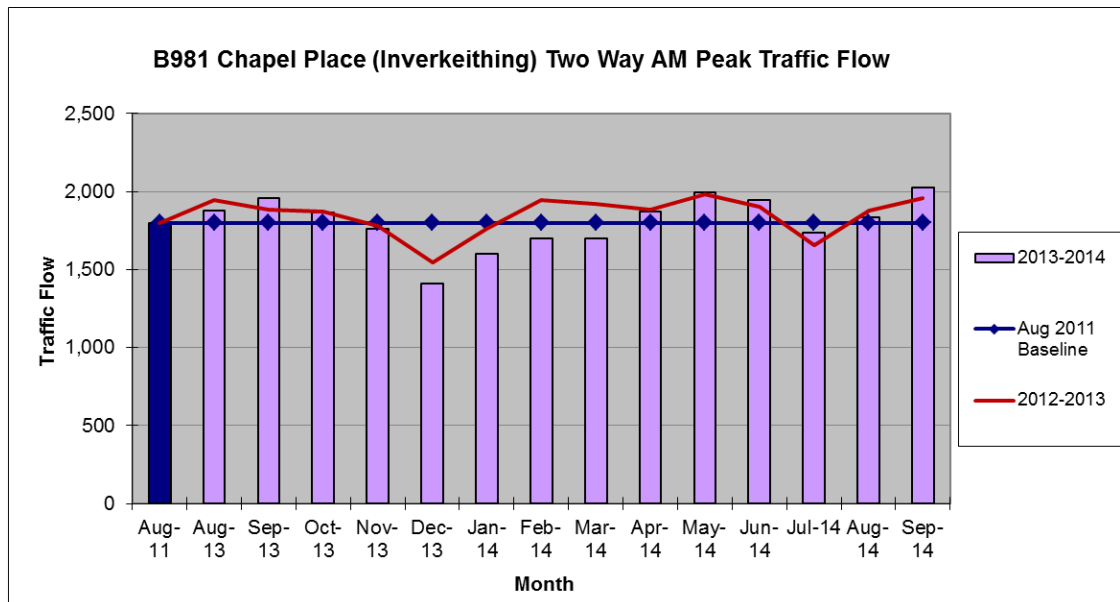


Figure 5-23 Monthly Two Way AM Peak Flows on the B981 Chapel Place (Inverkeithing)



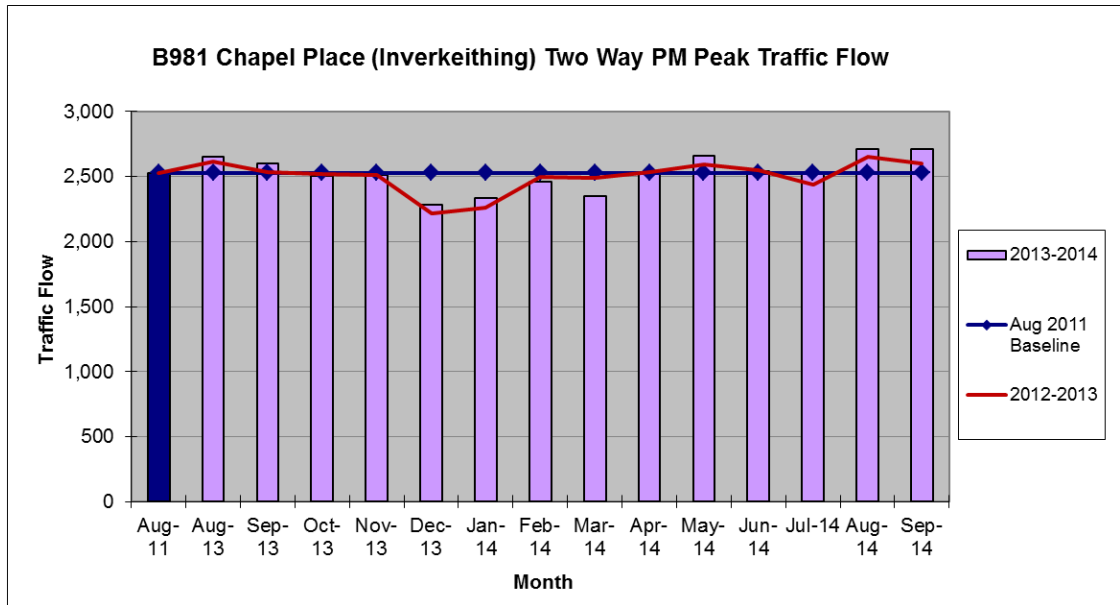


Figure 5-24 Monthly Two Way PM Peak Flows on the B981 Chapel Place (Inverkeithing)

### 5.4.3 Monthly Average HGV Flows

Table 5-15 Site: JTC00581 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	149
		Aug-13	150
		Sep-13	134
		Oct-13	133
		Nov-13	141
		Dec-13	161
		Jan-14	185
		Feb-14	184
		Mar-14	178
		Apr-14	185
		May-14	188
		Jun-14	183
		Jul-14	192
		Aug-14	204
		Sep-14	200
	<b>Annual Average</b>	<b>168</b>	

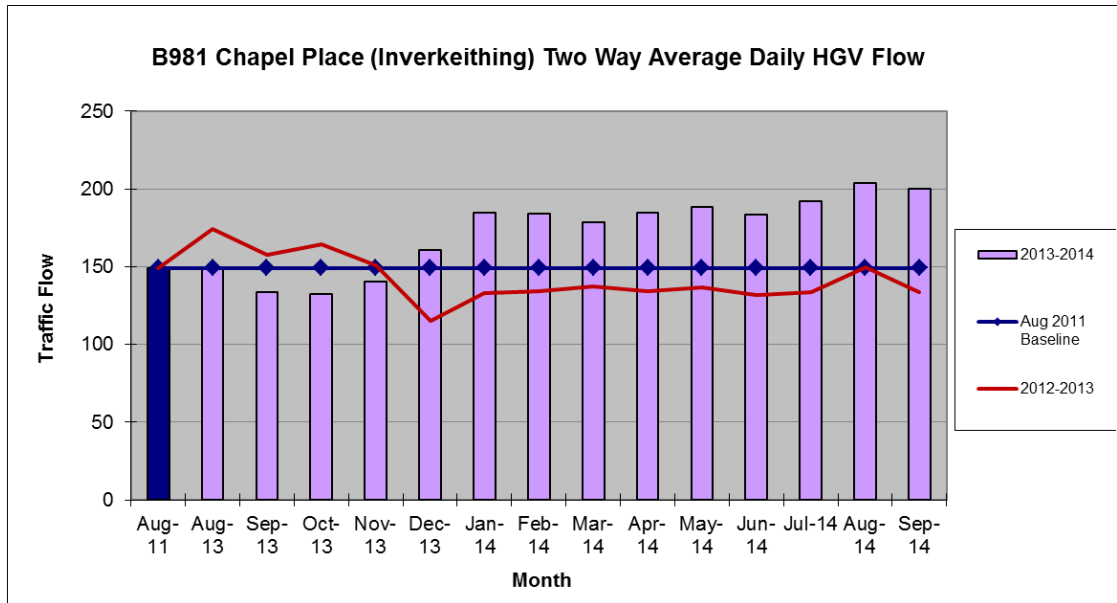


Figure 5-25 Monthly Two Way HGV Flows on the B981 Chapel Place (Inverkeithing)

5.4.4 Monthly Average All Vehicles Traffic Speeds

Table 5-16 Site: JTC00581 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-13	44	44
		Sep-13	45	44
		Oct-13	45	44
		Nov-13	44	44
		Dec-13	44	44
		Jan-14	44	44
		Feb-14	45	44
		Mar-14	44	44
		Apr-14	45	45
		May-14	45	45
		Jun-14	45	45
		Jul-14	44	45
		Aug-14	44	44
		Sep-14	44	44

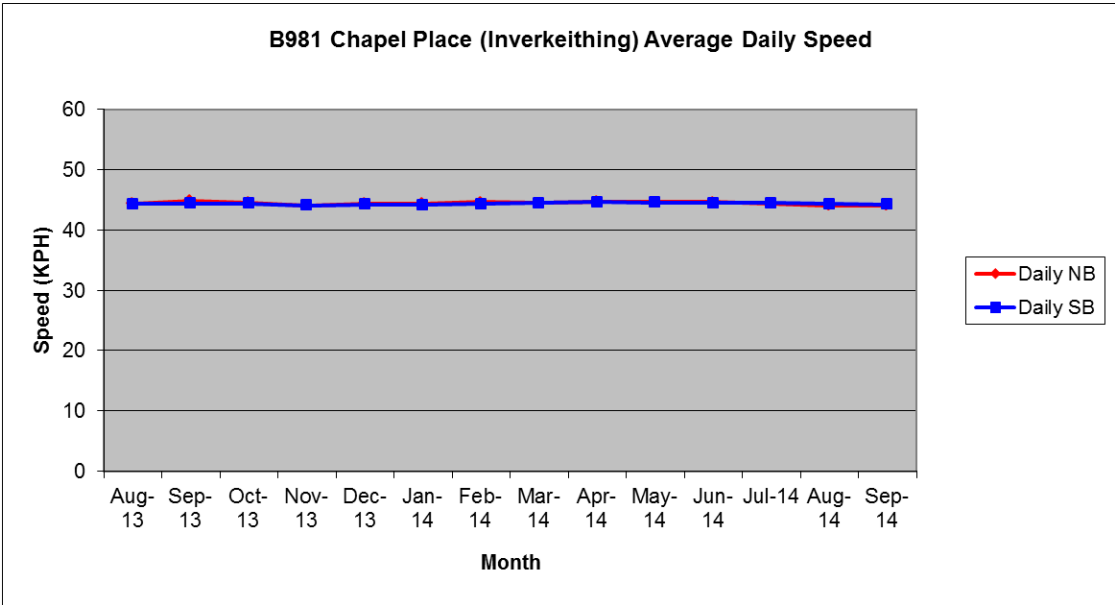


Figure 5-26 Average Monthly Traffic Speeds (KPH) on the B981 Chapel Place (Inverkeithing)

## 5.5 Traffic Counter JTC00582 – B916 Aberdour Road (Dunfermline)

### 5.5.1 Monthly Average Traffic Flows

Table 3-5-17 Site: JTC00582 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	3,446	3,904	7,349
		Aug-13	4,552	4,616	9,169
		Sep-13	4,414	4,550	8,964
		Oct-13	4,255	4,364	8,619
		Nov-13	4,472	4,644	9,116
		Dec-13	4,233	4,342	8,575
		Jan-14	4,147	4,276	8,423
		Feb-14	4,357	4,544	8,901
		Mar-14	4,404	4,523	8,927
		Apr-14	4,480	4,620	9,101
		May-14	4,684	4,842	9,525
		Jun-14	4,613	4,740	9,353
		Jul-14	4,304	4,364	8,668
		Aug-14	4,489	4,564	9,053
		Sep-14	4,548	4,744	9,292
		<b>Annual Average</b>			<b>4,410</b>

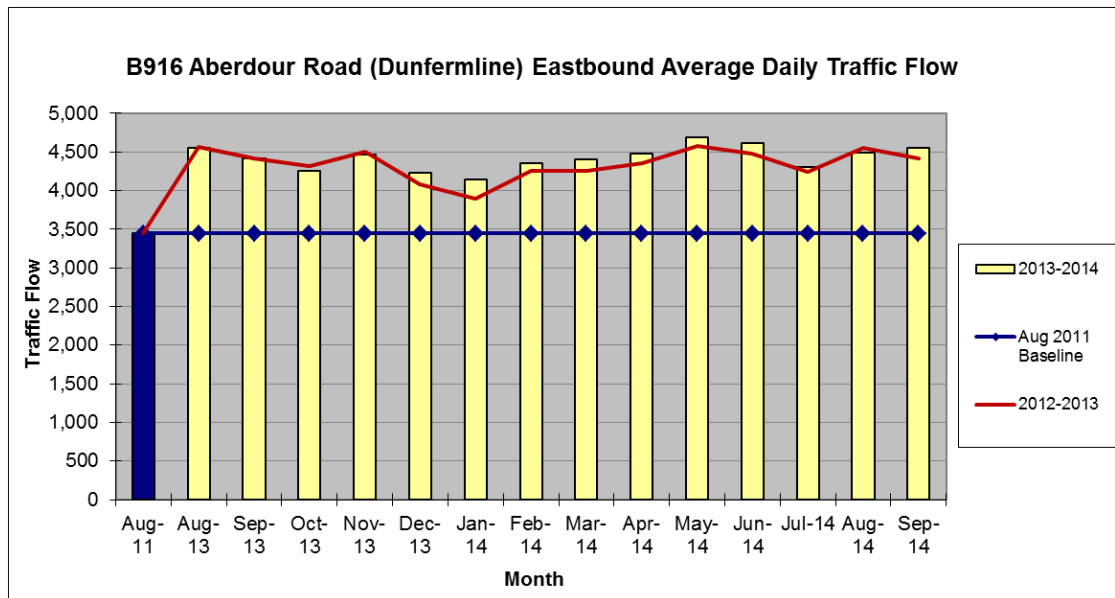


Figure 5-27 Monthly Eastbound AADTs on the B916 Aberdour Road (Dunfermline)

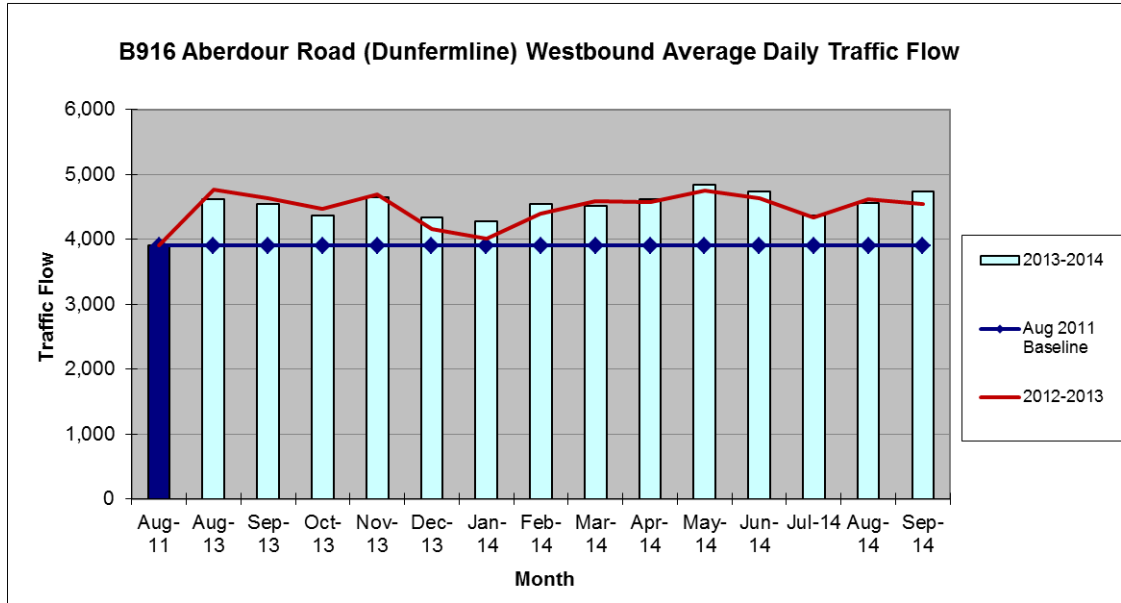


Figure 5-28 Monthly Westbound AADTs on the B916 Aberdour Road (Dunfermline)

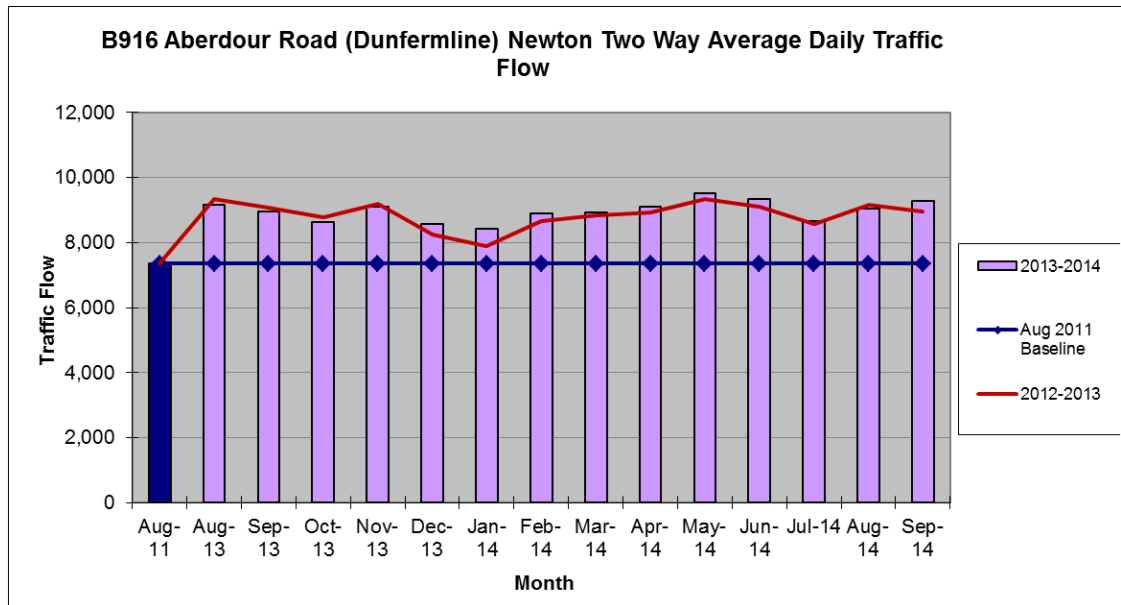
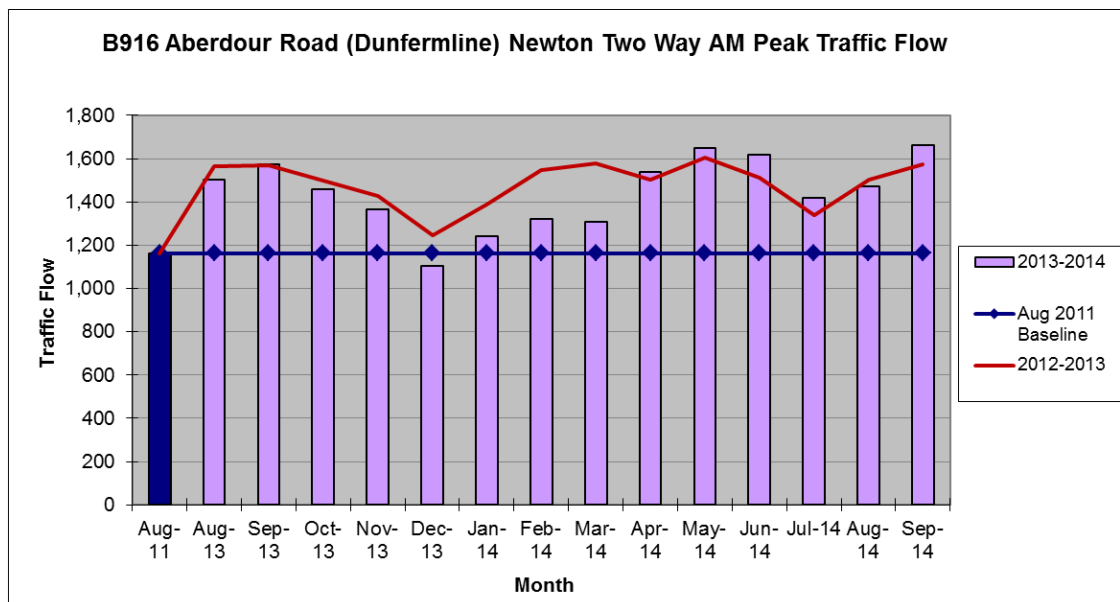


Figure 5-29 Monthly Two Way Daily Traffic Flows on the B916 Aberdour Road (Dunfermline)

### 5.5.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-18 Site: JTC00582 Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	1,162	1,794
		Aug-13	1,505	2,188
		Sep-13	1,576	2,194
		Oct-13	1,460	2,142
		Nov-13	1,367	2,230
		Dec-13	1,104	1,994
		Jan-14	1,242	2,080
		Feb-14	1,320	2,211
		Mar-14	1,308	2,221
		Apr-14	1,538	2,232
		May-14	1,650	2,343
		Jun-14	1,617	2,272
		Jul-14	1,417	2,097
		Aug-14	1,471	2,210
		Sep-14	1,664	2,334
				<b>Annual Average</b>



**Figure 5-30 Monthly Two Way AM Peak Flows on the B916 Aberdour Road (Dunfermline)**

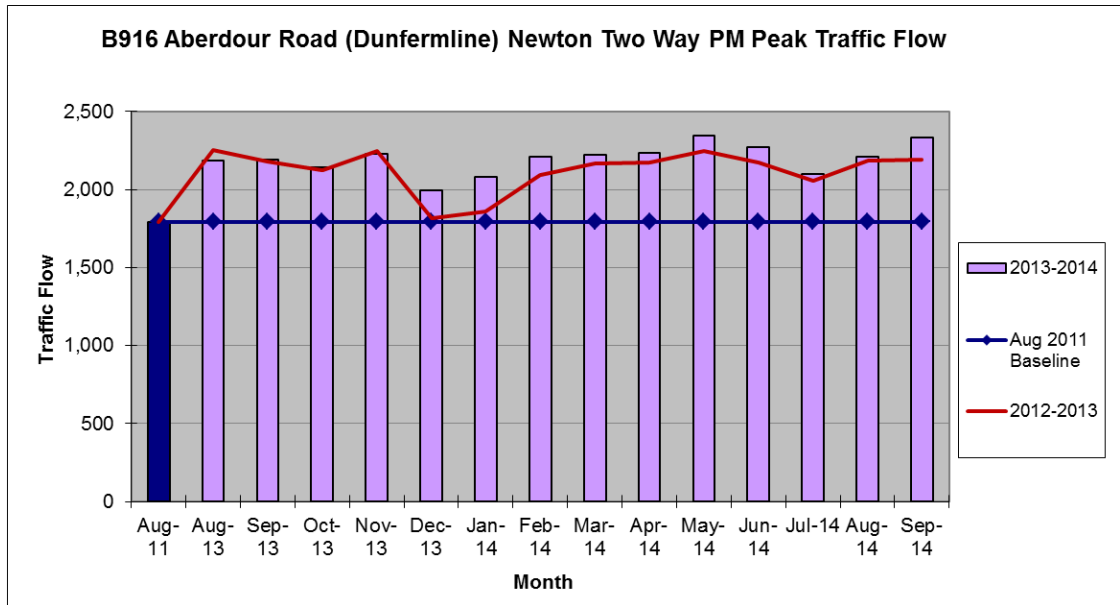


Figure 5-31 Monthly Two Way PM Peak Flows on the B916 Aberdour Road (Dunfermline)

### 5.5.3 Monthly Average HGV Flows

Table 5-19 Site: JTC00582 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	101
		Aug-13	41
		Sep-13	39
		Oct-13	42
		Nov-13	39
		Dec-13	38
		Jan-14	37
		Feb-14	42
		Mar-14	49
		Apr-14	47
		May-14	53
		Jun-14	53
		Jul-14	53
		Aug-14	48
		Sep-14	39
		<b>Annual Average</b>	<b>45</b>

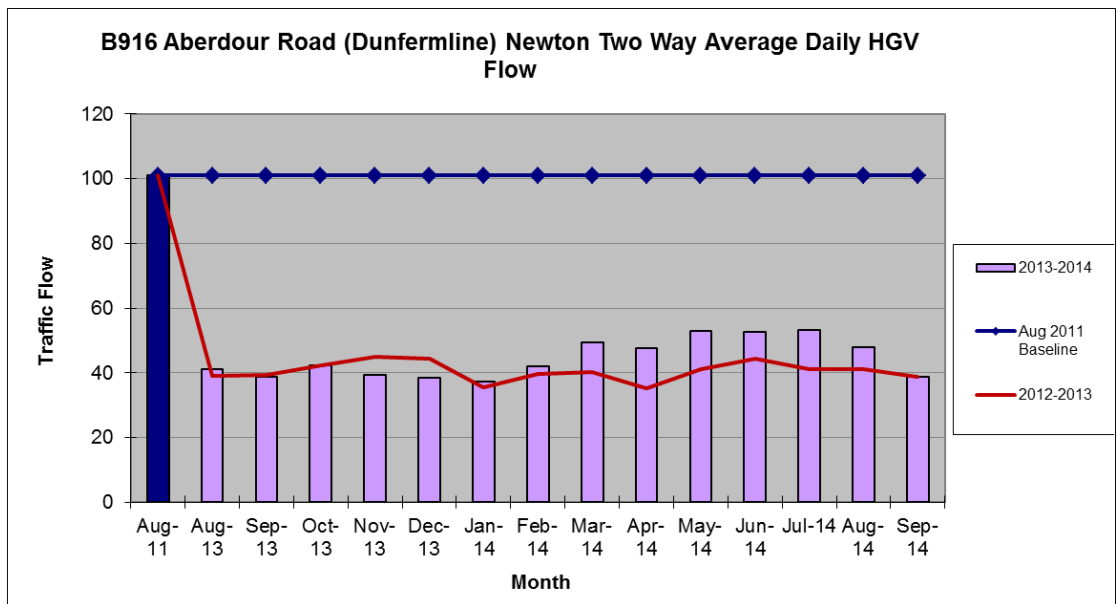


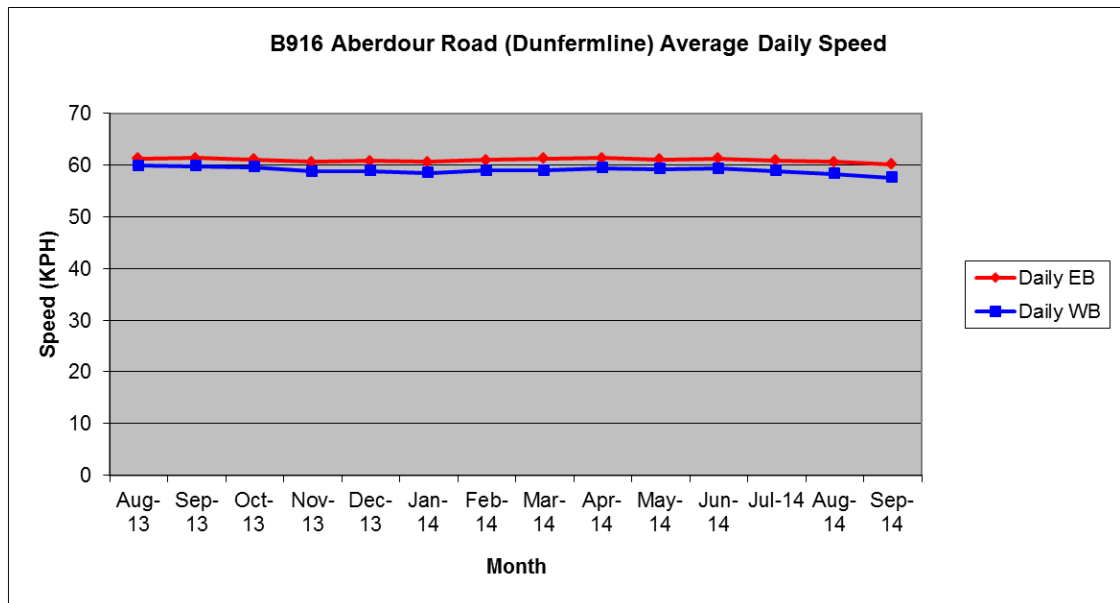
Figure 5-32 Monthly Two Way HGV Flows on the B916 Aberdour Road (Dunfermline)



### 5.5.4 Monthly Average All Vehicles Traffic Speeds

**Table 5-20 Site: JTC00582 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB	WB
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-13	61	60
		Sep-13	61	60
		Oct-13	61	60
		Nov-13	61	59
		Dec-13	61	59
		Jan-14	61	59
		Feb-14	61	59
		Mar-14	61	59
		Apr-14	61	59
		May-14	61	59
		Jun-14	61	59
		Jul-14	61	59
		Aug-14	61	58
		Sep-14	60	58



**Figure 5-33 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 3-5-21 Site: JTC00583 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	2,339	2,629	4,968
		Aug-13	2,839	3,114	5,953
		Sep-13	2,633	2,936	5,569
		Oct-13	2,630	2,930	5,560
		Nov-13	2,629	2,988	5,617
		Dec-13	2,077	2,374	4,451
		Jan-14	2,455	2,773	5,227
		Feb-14	2,533	2,936	5,470
		Mar-14	2,662	3,043	5,705
		Apr-14	2,725	3,053	5,778
		May-14	2,961	3,337	6,298
		Jun-14	2,868	3,242	6,109
		Jul-14	2,673	2,996	5,669
		Aug-14	2,697	3,048	5,745
		Sep-14	2,850	3,263	6,113
		<b>Annual Average</b>	<b>2,640</b>	<b>2,977</b>	<b>5,617</b>

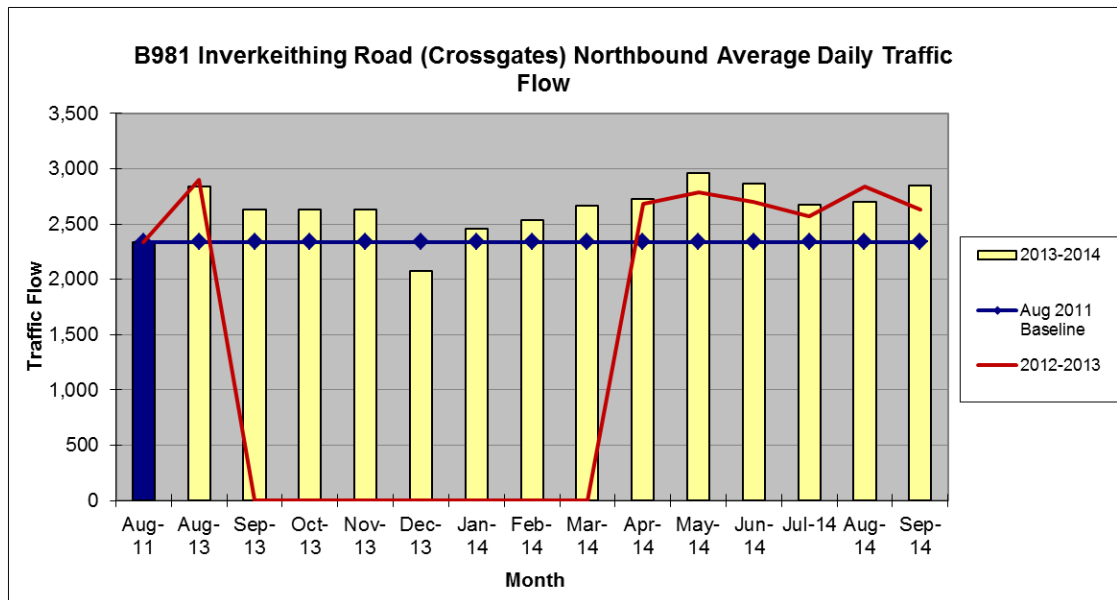


Figure 5-34 Monthly Northbound AADTs on the B981 Inverkeithing Road (Crossgates)

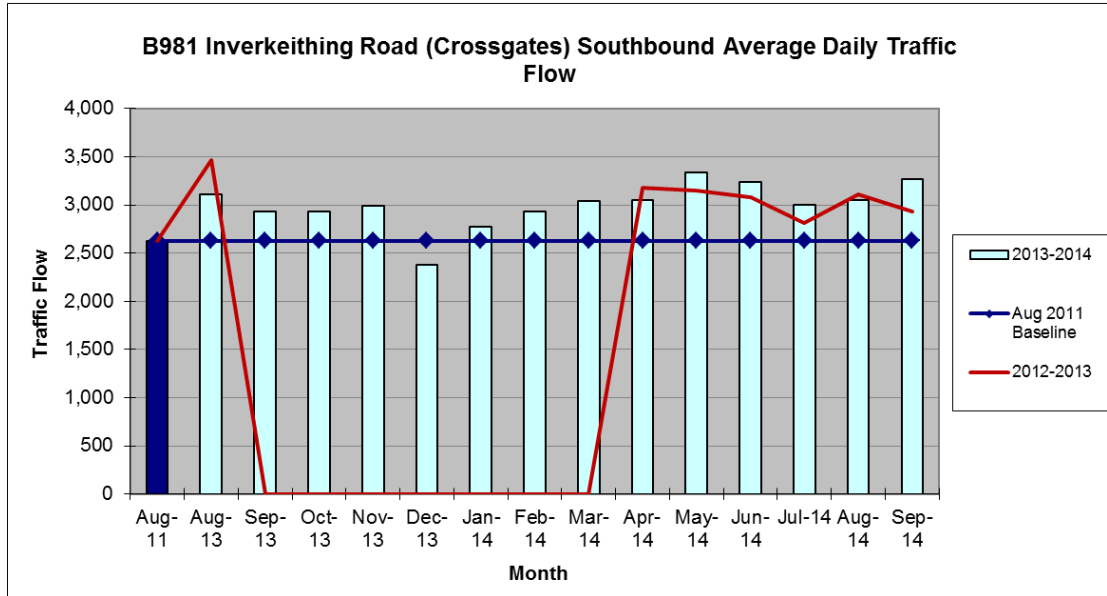


Figure 5-35 Monthly Southbound AADTs on the B981 Inverkeithing Road (Crossgates)

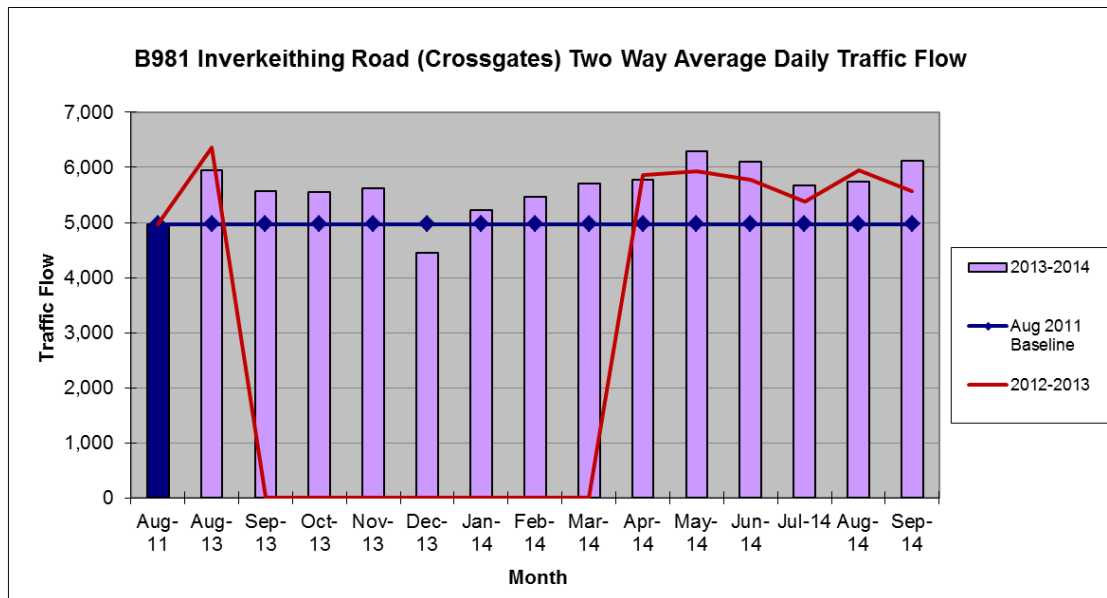
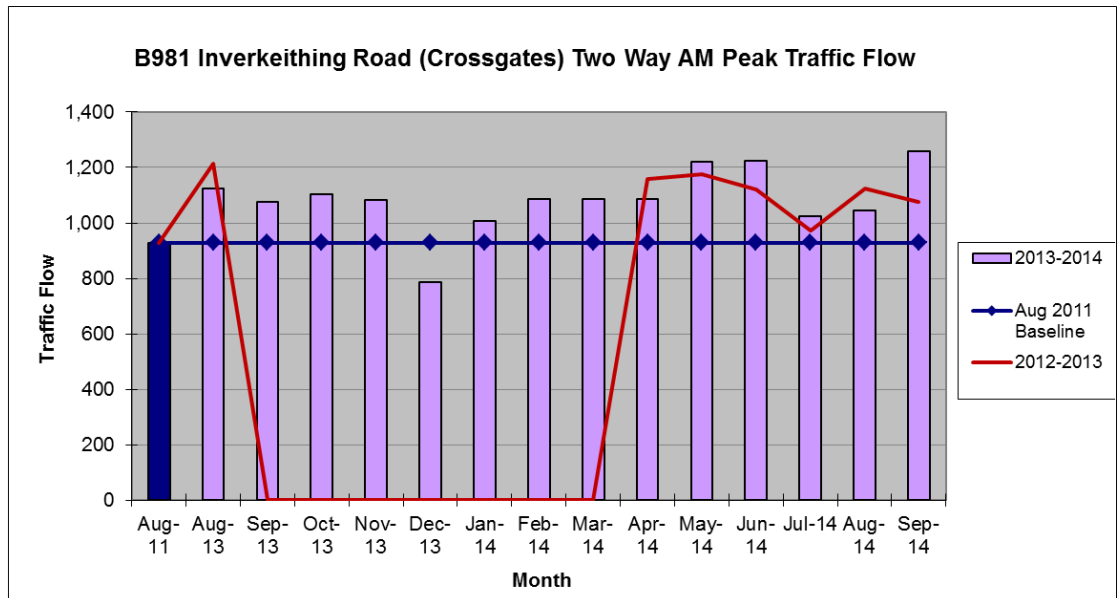


Figure 5-36 Monthly Two Way Daily Traffic Flows on the B981 Inverkeithing Road (Crossgates)

### 5.6.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-22 Site: JTC00583 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	929	1,223
		Aug-13	1,123	1,457
		Sep-13	1,076	1,412
		Oct-13	1,104	1,390
		Nov-13	1,084	1,415
		Dec-13	786	1,016
		Jan-14	1,006	1,325
		Feb-14	1,087	1,370
		Mar-14	1,087	1,420
		Apr-14	1,086	1,409
		May-14	1,220	1,550
		Jun-14	1,223	1,460
		Jul-14	1,025	1,390
		Aug-14	1,043	1,434
		Sep-14	1,258	1,504
		<b>Annual Average</b>	<b>1,076</b>	<b>1,385</b>



**Figure 5-37 Monthly Two Way AM Peak Flows on the B981 Inverkeithing Road (Crossgates)**

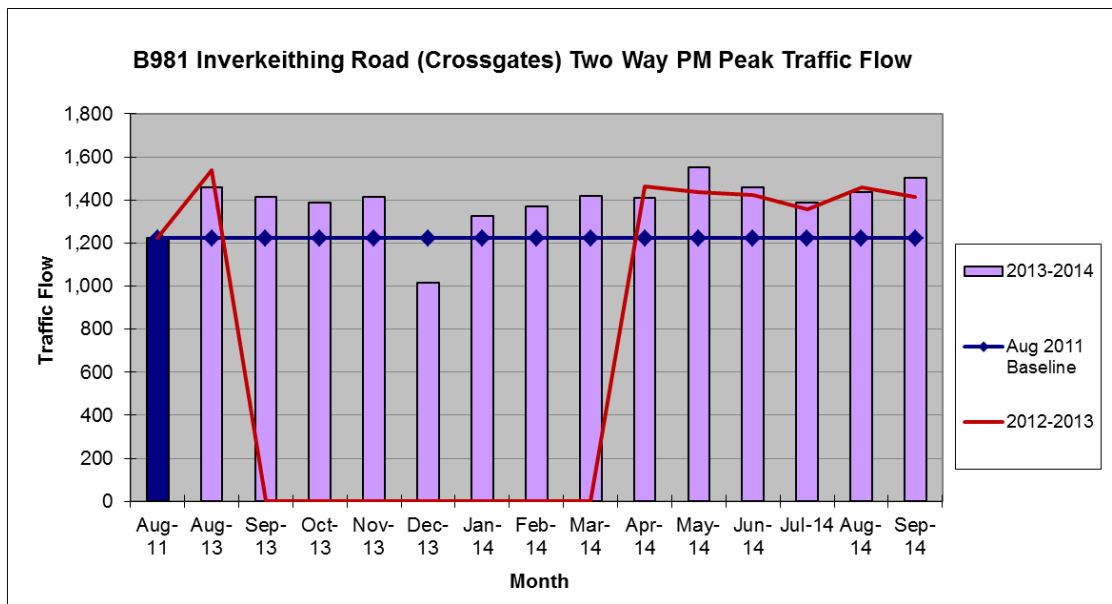


Figure 5-38 Monthly Two Way PM Peak Flows on the B981 Inverkeithing Road (Crossgates)

### 5.6.3 Monthly Average HGV Flows

Table 5-23 Site: JTC00583 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	14
		Aug-13	34
		Sep-13	33
		Oct-13	32
		Nov-13	33
		Dec-13	12
		Jan-14	17
		Feb-14	18
		Mar-14	18
		Apr-14	18
		May-14	25
		Jun-14	24
		Jul-14	20
		Aug-14	18
Sep-14	22		
		<b>Annual Average</b>	<b>24</b>

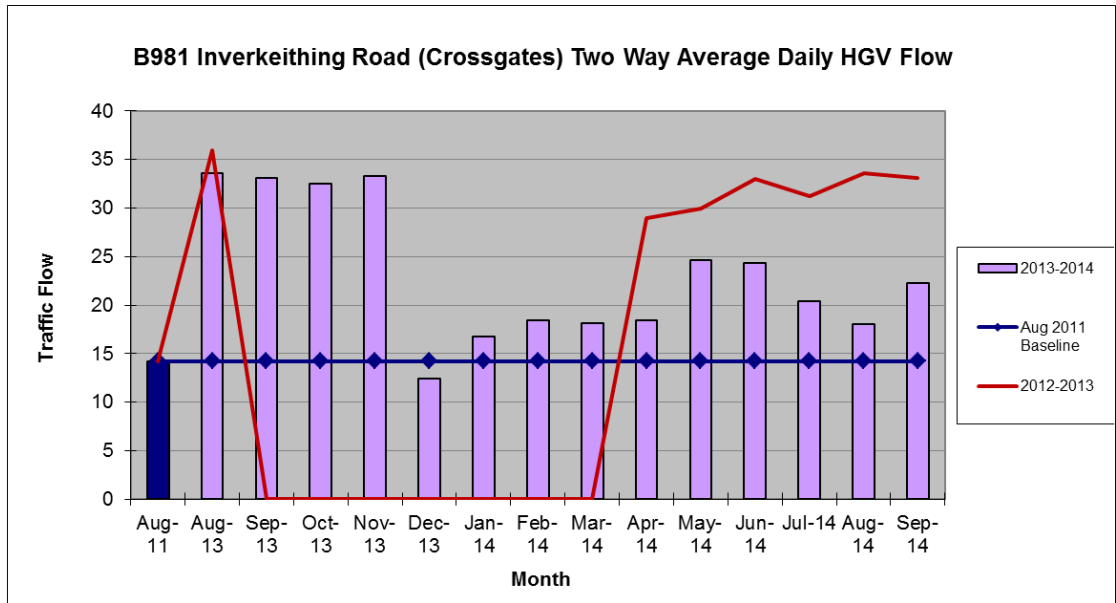


Figure 5-39 Monthly Two Way HGV Flows on the B981 Inverkeithing Road (Crossgates)

### 5.6.4 Monthly Average All Vehicles Traffic Speeds

Table 5-24 Site: JTC00583 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-13	62	68
		Sep-13	62	68
		Oct-13	62	68
		Nov-13	62	68
		Dec-13	62	68
		Jan-14	62	68
		Feb-14	63	68
		Mar-14	62	68
		Apr-14	62	69
		May-14	61	68
		Jun-14	61	68
		Jul-14	61	68
		Aug-14	61	68
Sep-14	61	68		

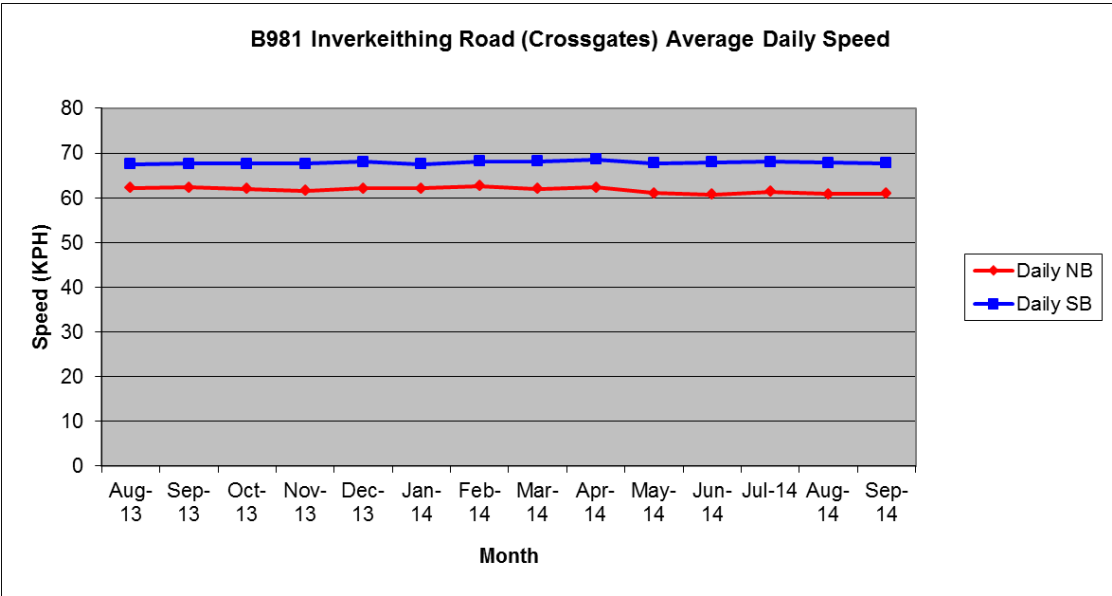


Figure 5-40 Average Monthly Traffic Speeds (KPH) on the B981 Inverkeithing Road (Crossgates)

## 5.7 Traffic Counter JTC00586 – B980 Castlandhill Road

### 5.7.1 Monthly Average Traffic Flows

Table 3-5-25 Site: JTC00586 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00586	B980 Castlandhill Road	Aug-11	1,590	1,612	3,203
		Aug-13	1,674	1,787	3,461
		Sep-13	1,532	1,751	3,283
		Oct-13	1,487	1,658	3,145
		Nov-13	1,519	1,750	3,269
		Dec-13	1,303	1,487	2,791
		Jan-14	1,400	1,558	2,958
		Feb-14	1,514	1,635	3,149
		Mar-14	1,482	1,609	3,090
		Apr-14	1,494	1,578	3,072
		May-14	1,570	1,726	3,296
		Jun-14	1,565	1,729	3,294
		Jul-14	1,826	1,840	3,666
		Aug-14	1,811	1,931	3,742
		Sep-14	1,635	1,905	3,540
			<b>Annual Average</b>		<b>1,531</b>

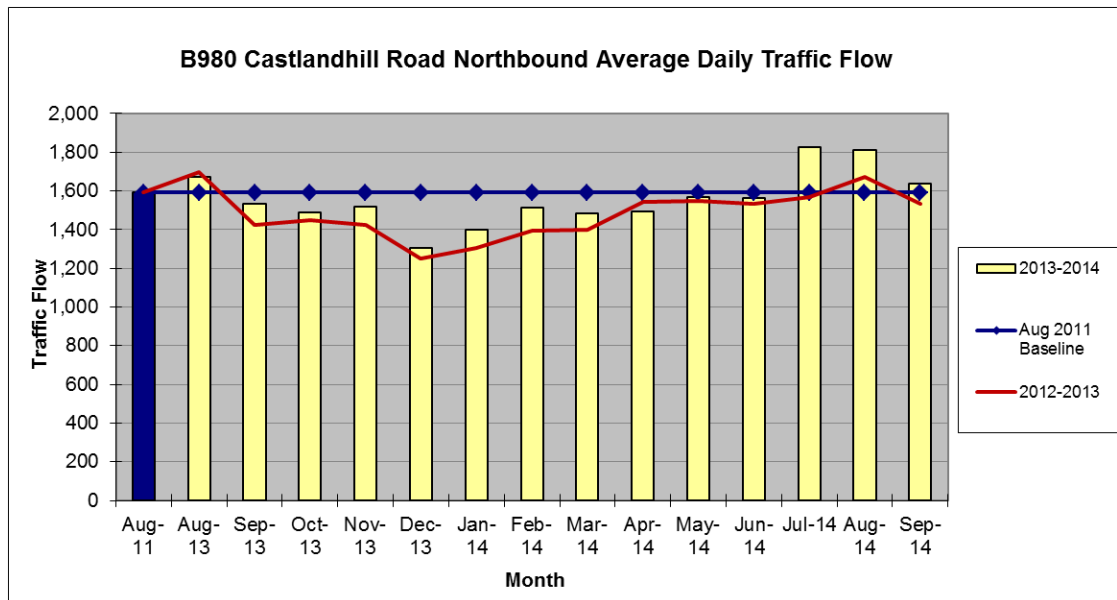


Figure 5-41 Monthly Northbound AADTs on the B980 Castlandhill Road



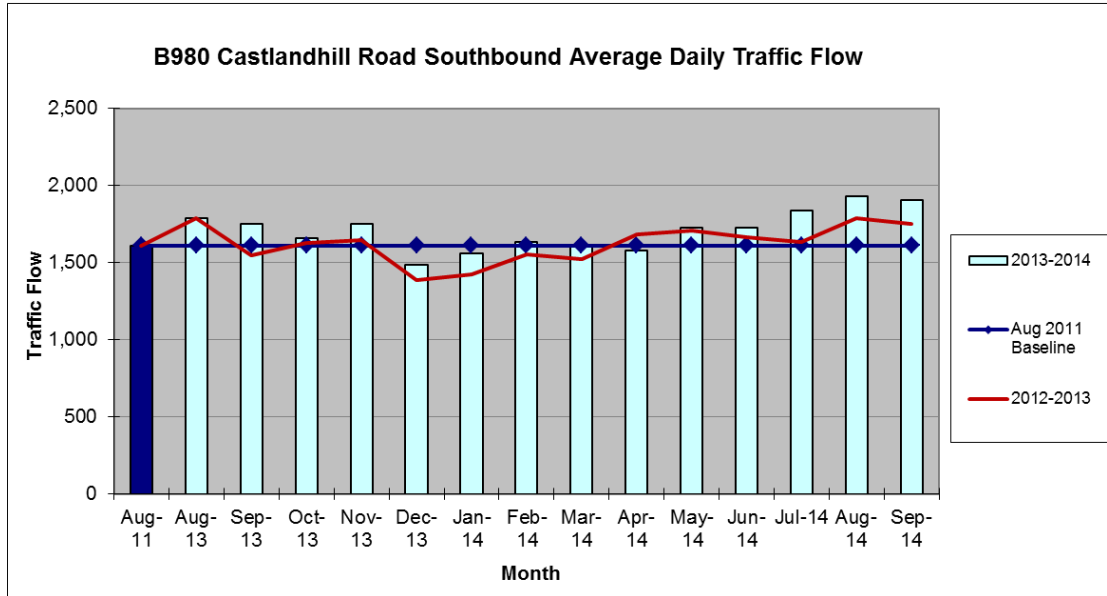


Figure 5-42 Monthly Southbound AADTs on the B980 Castlandhill Road

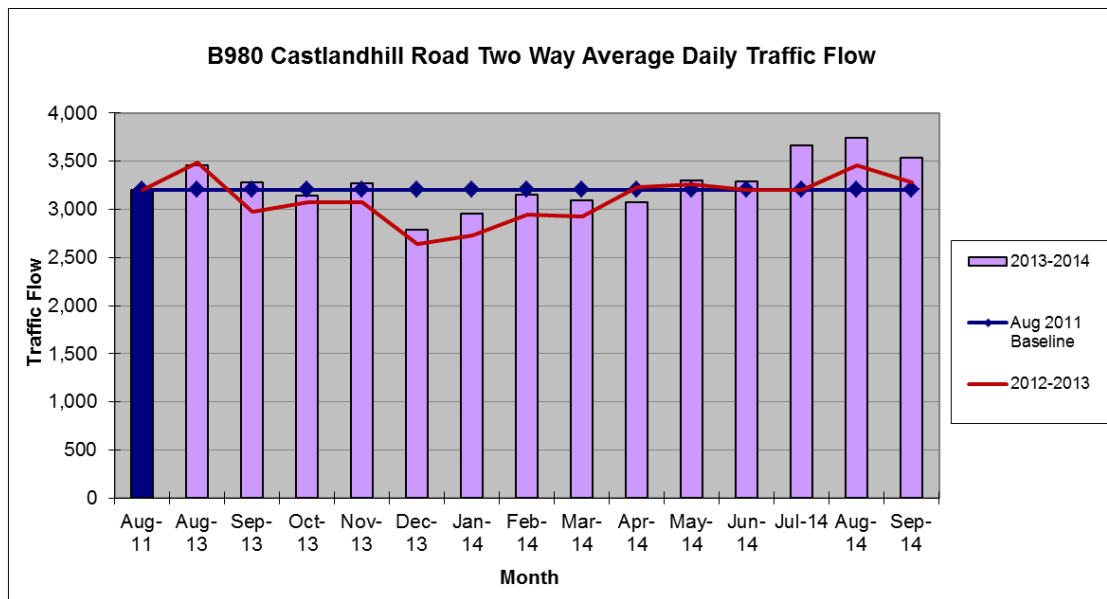
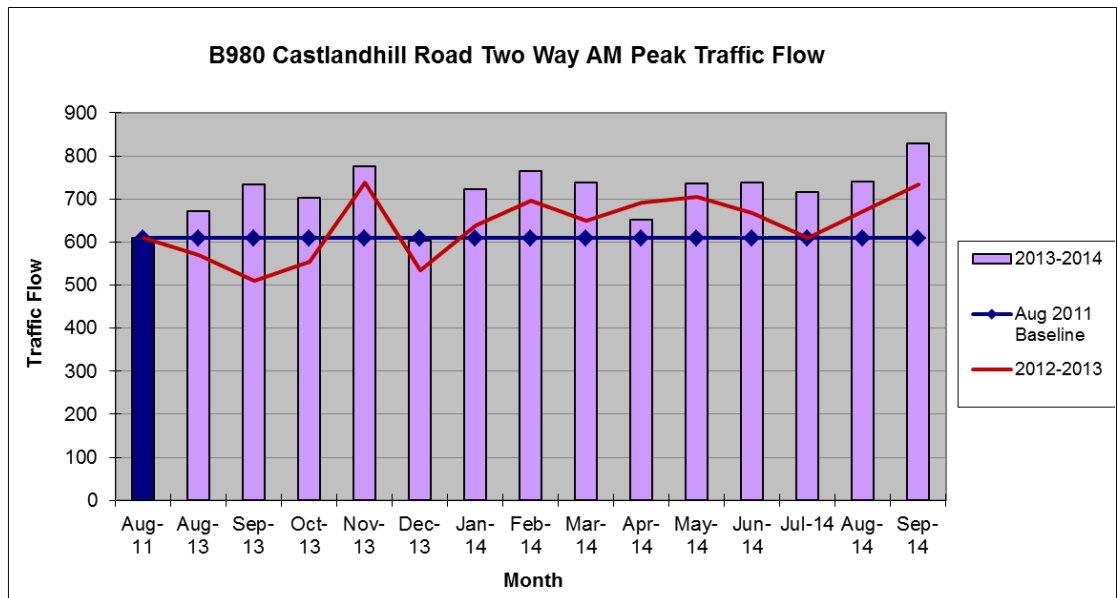


Figure 5-43 Monthly Two Way Daily Traffic Flows on the B980 Castlandhill Road

### 5.7.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-26 Site: JTC00586 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00586	B980 Castlandhill Road	Aug-11	609	768
		Aug-13	672	860
		Sep-13	733	809
		Oct-13	702	782
		Nov-13	776	790
		Dec-13	604	618
		Jan-14	723	703
		Feb-14	765	736
		Mar-14	738	714
		Apr-14	652	755
		May-14	736	827
		Jun-14	737	791
		Jul-14	716	928
		Aug-14	740	939
		Sep-14	829	862
		<b>Annual Average</b>	<b>713</b>	<b>776</b>



**Figure 5-44 Monthly Two Way AM Peak Flows on the B980 Castlandhill Road**

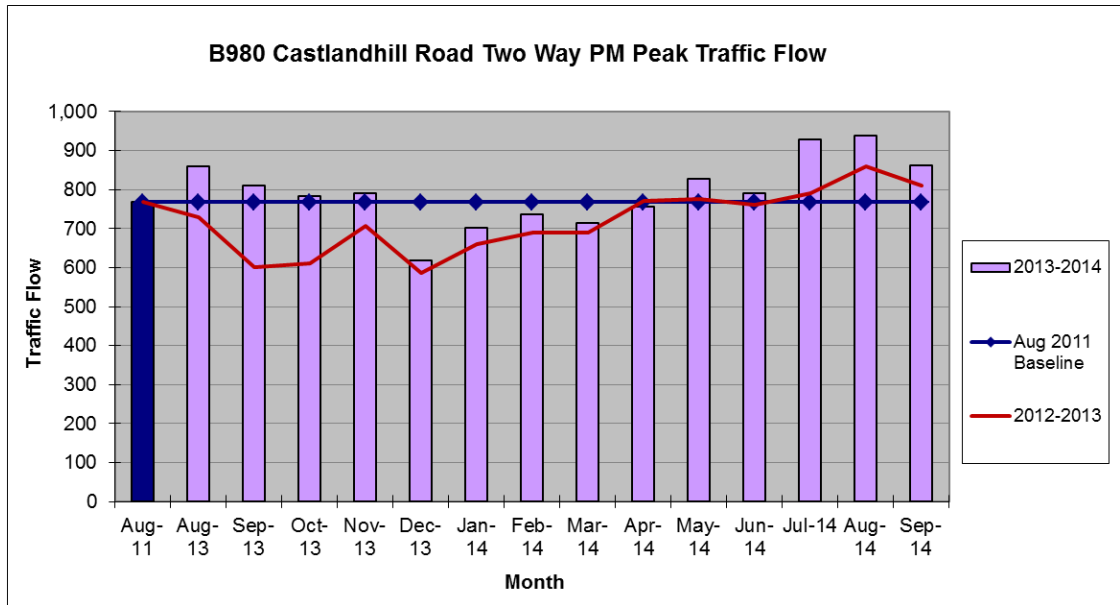


Figure 5-45 Monthly Two Way PM Peak Flows on the B980 Castlandhill Road

### 5.7.3 Monthly Average HGV Flows

Table 5-27 Site: JTC00586 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00586	B980 Castlandhill Road	Aug-11	129
		Aug-13	134
		Sep-13	120
		Oct-13	119
		Nov-13	105
		Dec-13	54
		Jan-14	56
		Feb-14	65
		Mar-14	78
		Apr-14	83
		May-14	82
		Jun-14	79
		Jul-14	81
		Aug-14	96
		Sep-14	101
<b>Annual Average</b>			<b>88</b>

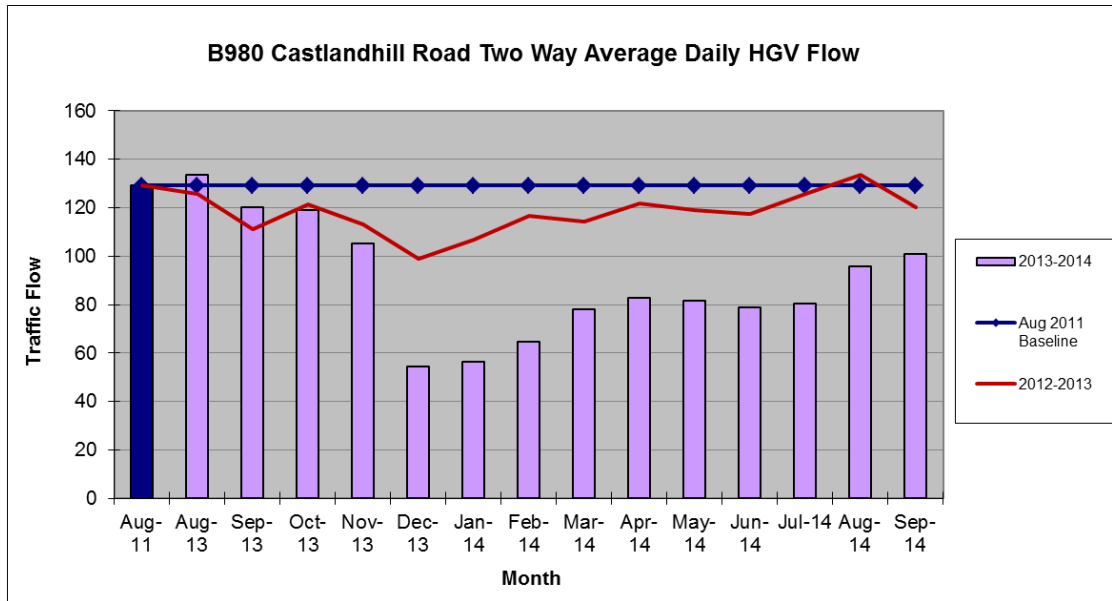


Figure 5-46 Monthly Two Way HGV Flows on the B980 Castlandhill Road

### 5.7.4 Monthly Average All Vehicles Traffic Speeds

Table 5-28 Site: JTC00586 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00586	B980 Castlandhill Road	Aug-13	71	69
		Sep-13	72	70
		Oct-13	70	69
		Nov-13	70	68
		Dec-13	71	68
		Jan-14	64	62
		Feb-14	66	64
		Mar-14	67	65
		Apr-14	68	66
		May-14	68	66
		Jun-14	67	65
		Jul-14	68	66
		Aug-14	67	65
		Sep-14	67	65

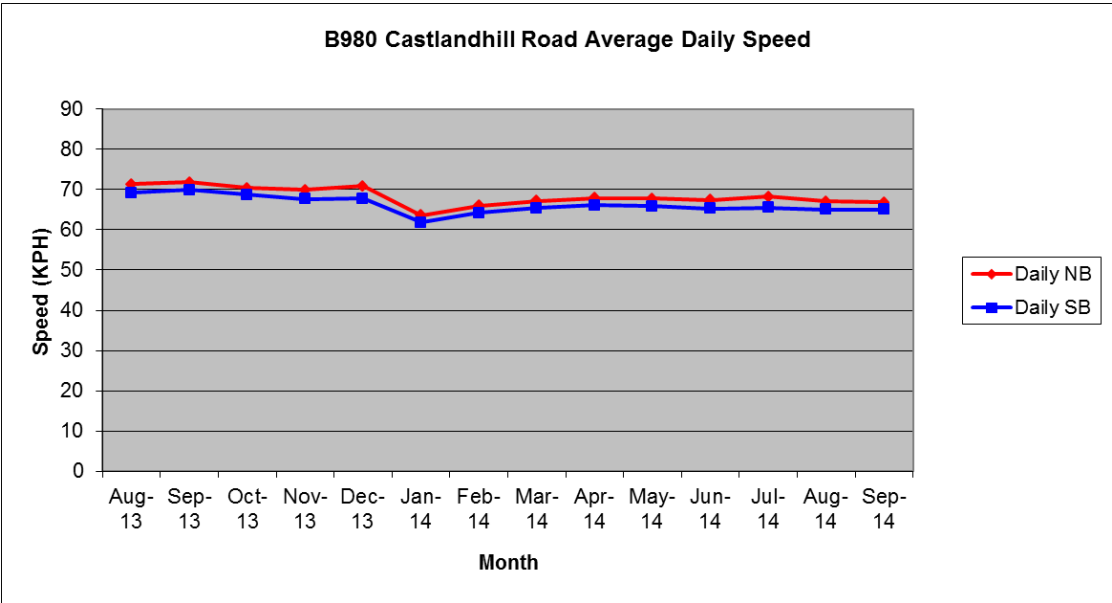


Figure 5-47 Average Monthly Traffic Speeds (KPH) on the B980 Castlandhill Road

## 5.8 Traffic Counter JTC00591 – B981 North Road (East of Masterton)

### 5.8.1 Monthly Average Traffic Flows

Table 3-5-29 Site: JTC00591 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00591	B981 North Road (East of Masterton)	Aug-11	No Data	No Data	No Data
		Aug-13	3,304	3,514	6,819
		Sep-13	3,190	3,396	6,586
		Oct-13	3,070	3,255	6,325
		Nov-13	3,024	3,203	6,227
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	No Data	No Data	No Data
		Apr-14	3,177	3,376	6,553
		May-14	3,417	3,648	7,064
		Jun-14	3,333	3,577	6,911
		Jul-14	3,162	3,379	6,541
		Aug-14	3,438	3,721	7,159
		Sep-14	3,414	3,619	7,034
			<b>Annual Average</b>	<b>3,210</b>	<b>3,418</b>

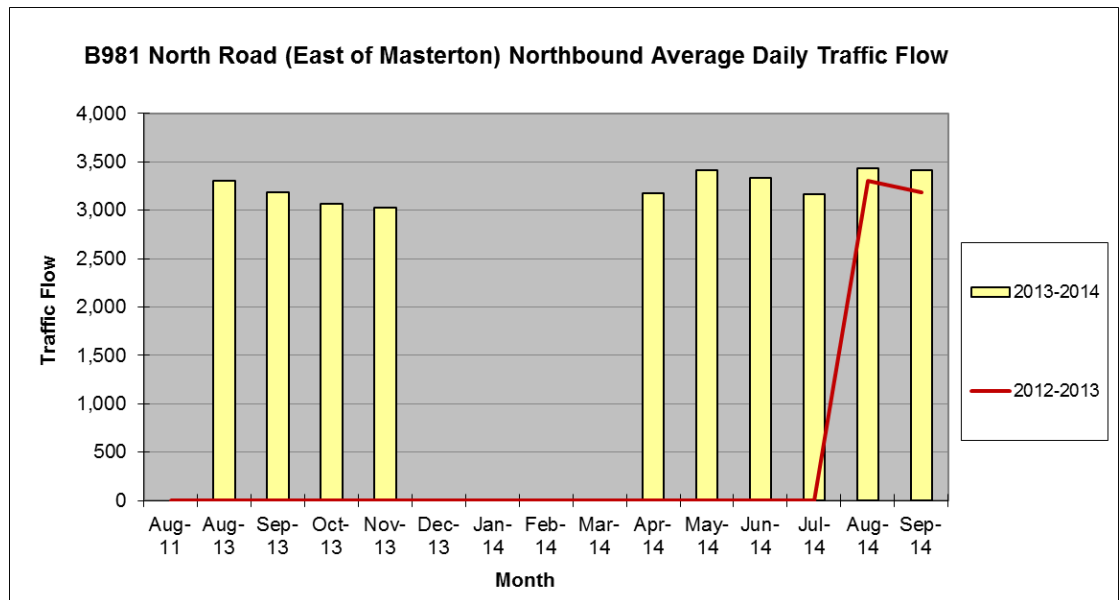


Figure 5-48 Monthly Northbound AADTs on the B981 North Road (East of Masterton)

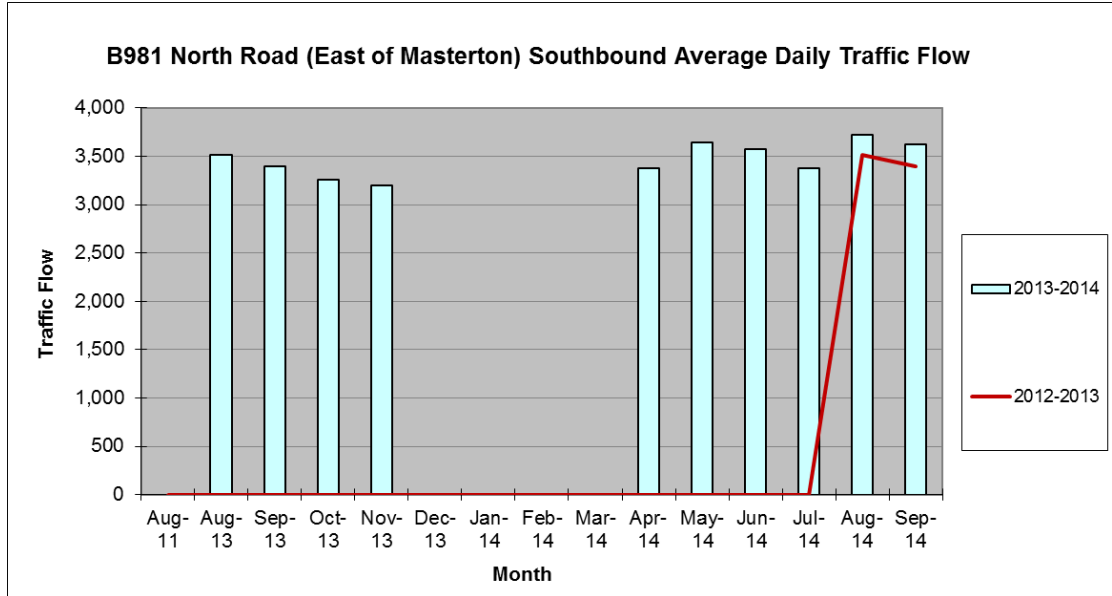


Figure 5-49 Monthly Southbound AADTs on the B981 North Road (East of Masterton)

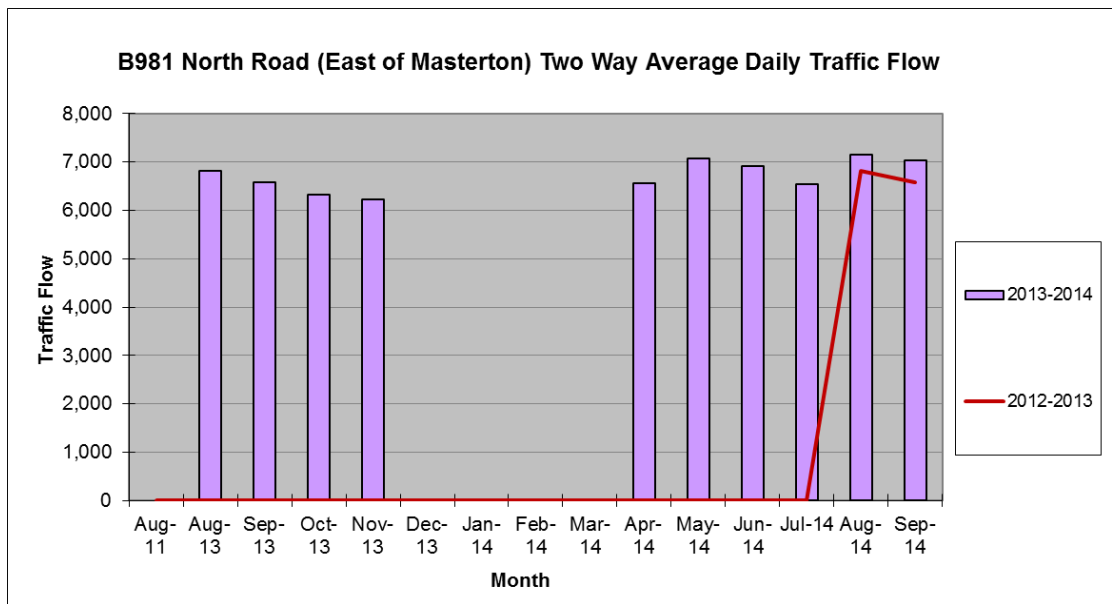
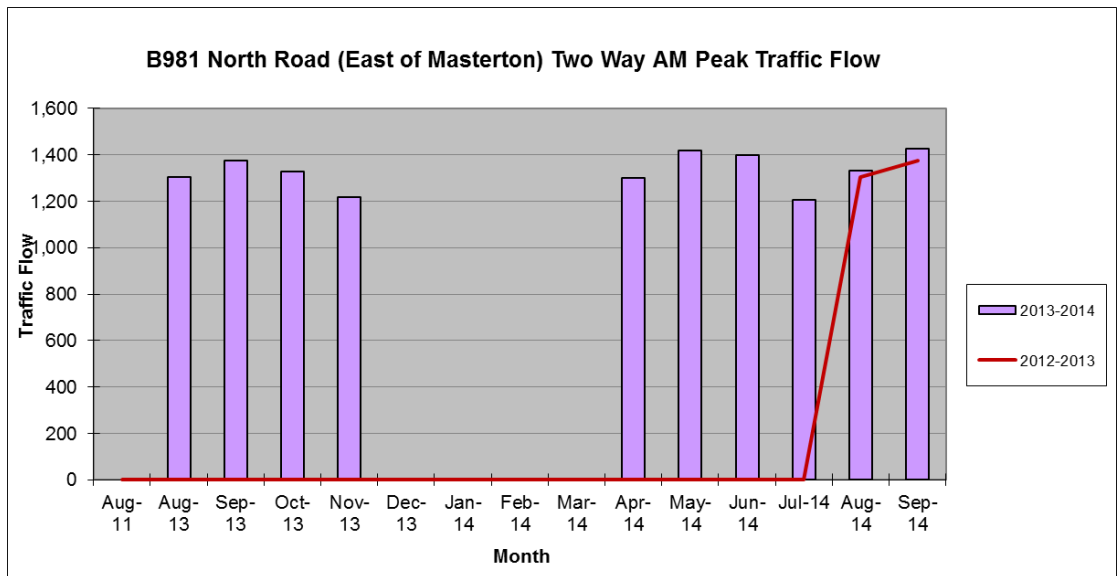


Figure 5-50 Monthly Two Way Daily Traffic Flows on the B981 North Road (East of Masterton)

### 5.8.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-30 Site: JTC00591 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00591	B981 North Road (East of Masterton)	Aug-11	No Data	No Data
		Aug-13	1,304	1,692
		Sep-13	1,374	1,670
		Oct-13	1,329	1,617
		Nov-13	1,216	1,576
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	1,302	1,666
		May-14	1,419	1,831
		Jun-14	1,400	1,745
		Jul-14	1,207	1,685
		Aug-14	1,333	1,822
		Sep-14	1,428	1,870
		<b>Annual Average</b>	<b>1,319</b>	<b>1,685</b>



**Figure 5-51 Monthly Two Way AM Peak Flows on the B981 North Road (East of Masterton)**



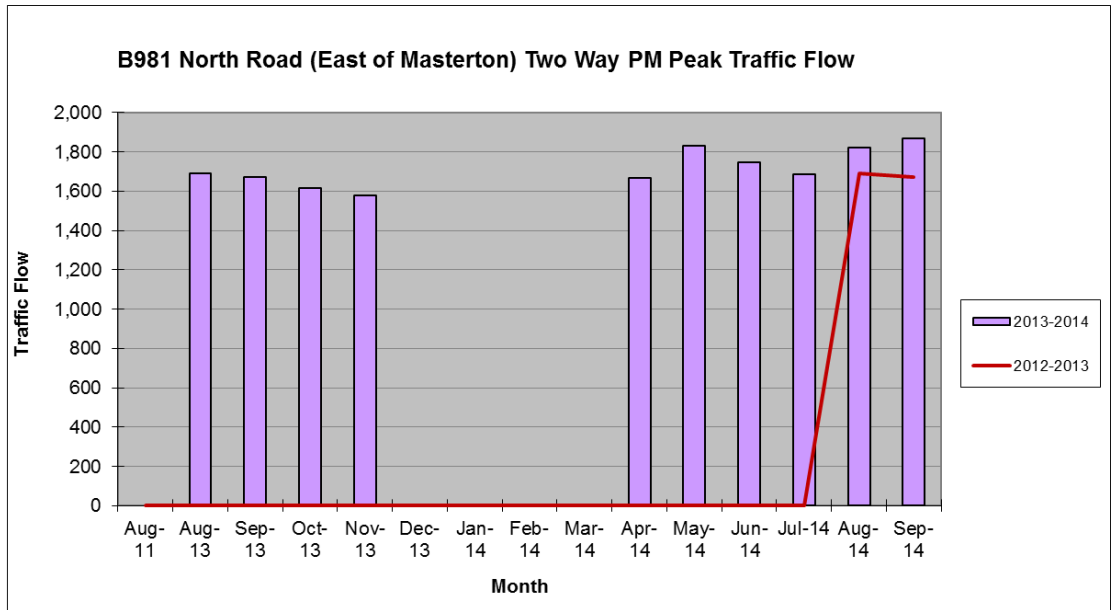


Figure 5-52 Monthly Two Way PM Peak Flows on the B981 North Road (East of Masterton)

### 5.8.3 Monthly Average HGV Flows

Table 5-31 Site: JTC00591 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00591	B981 North Road (East of Masterton)	Aug-11	No Data
		Aug-13	61
		Sep-13	57
		Oct-13	57
		Nov-13	55
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	58
		May-14	74
		Jun-14	78
		Jul-14	98
		Aug-14	84
		Sep-14	100

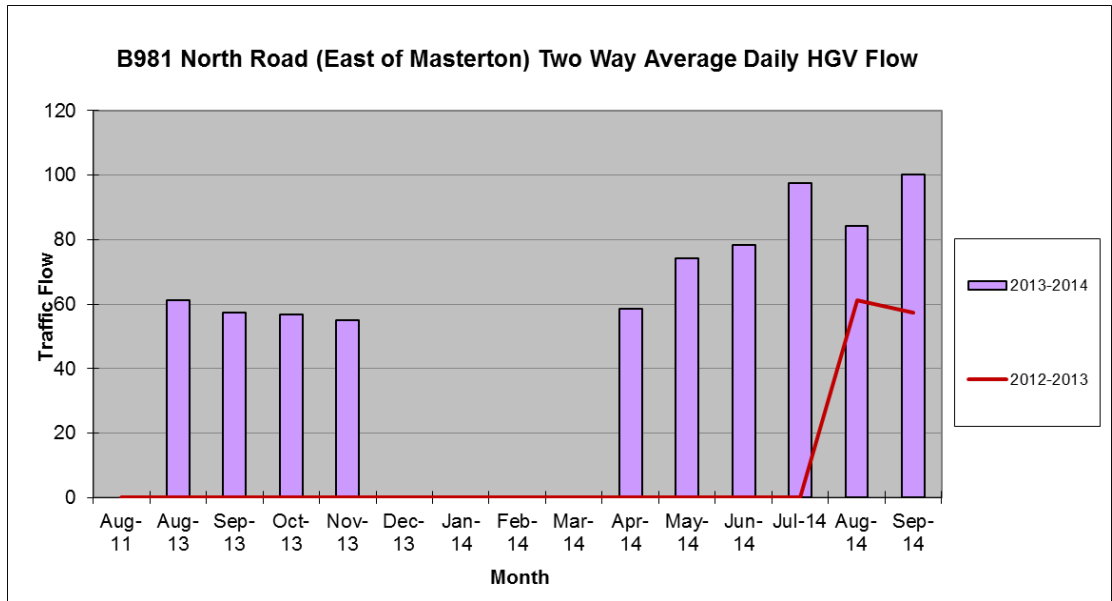


Figure 5-53 Monthly Two Way HGV Flows on the B981 North Road (East of Masterton)

### 5.8.4 Monthly Average All Vehicles Traffic Speeds

Table 5-32 Site: JTC00591 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00591	B981 North Road (East of Masterton)	Aug-13	77	75
		Sep-13	77	75
		Oct-13	76	74
		Nov-13	76	73
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	78	76
		May-14	78	75
		Jun-14	77	75
		Jul-14	78	76
		Aug-14	77	75
		Sep-14	76	74

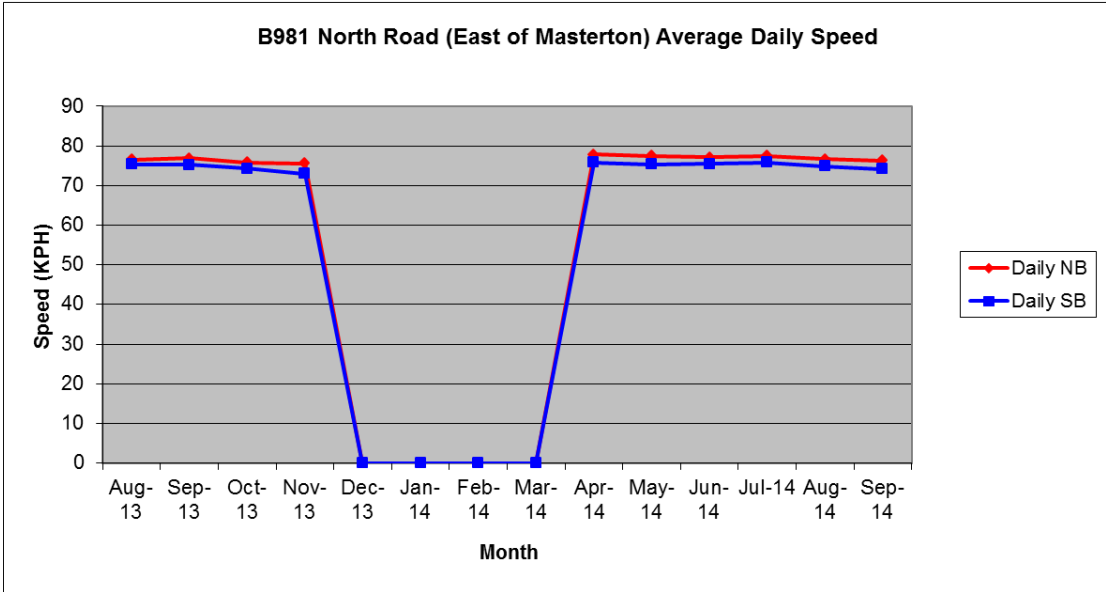


Figure 5-54 Average Monthly Traffic Speeds (KPH) on the B981 North Road (East of Masterton)

## 5.9 Traffic Counter JTC00592 – B924 Hawes Brae (South Queensferry)

### 5.9.1 Monthly Average Traffic Flows

Table 3-5-33 Site: JTC00592 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	1,711	1,431	3,142
		Aug-13	1,550	1,344	2,894
		Sep-13	1,412	1,269	2,681
		Oct-13	No Data	No Data	No Data
		Nov-13	No Data	No Data	No Data
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	No Data	No Data	No Data
		Apr-14	1,433	1,267	2,700
		May-14	1,530	1,320	2,850
		Jun-14	1,524	1,309	2,833
		Jul-14	1,511	1,247	2,758
		Aug-14	1,597	1,308	2,905
		Sep-14	1,516	1,286	2,802
		<b>Annual Average</b>	<b>1,493</b>	<b>1,293</b>	<b>2,786</b>

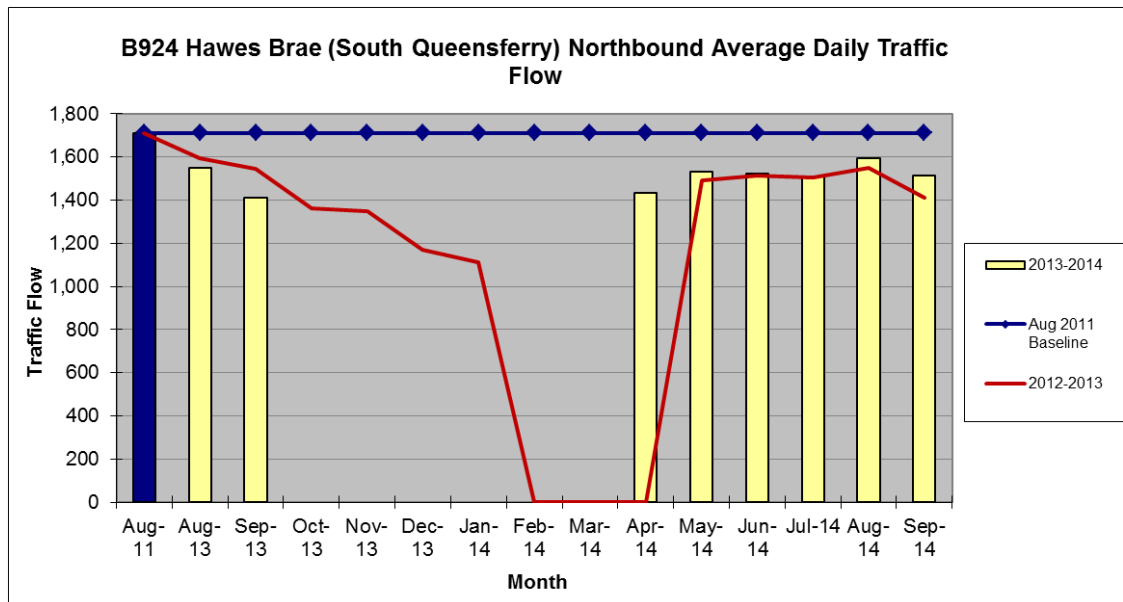


Figure 5-55 Monthly Northbound AADTs on the B924 Hawes Brae (South Queensferry)

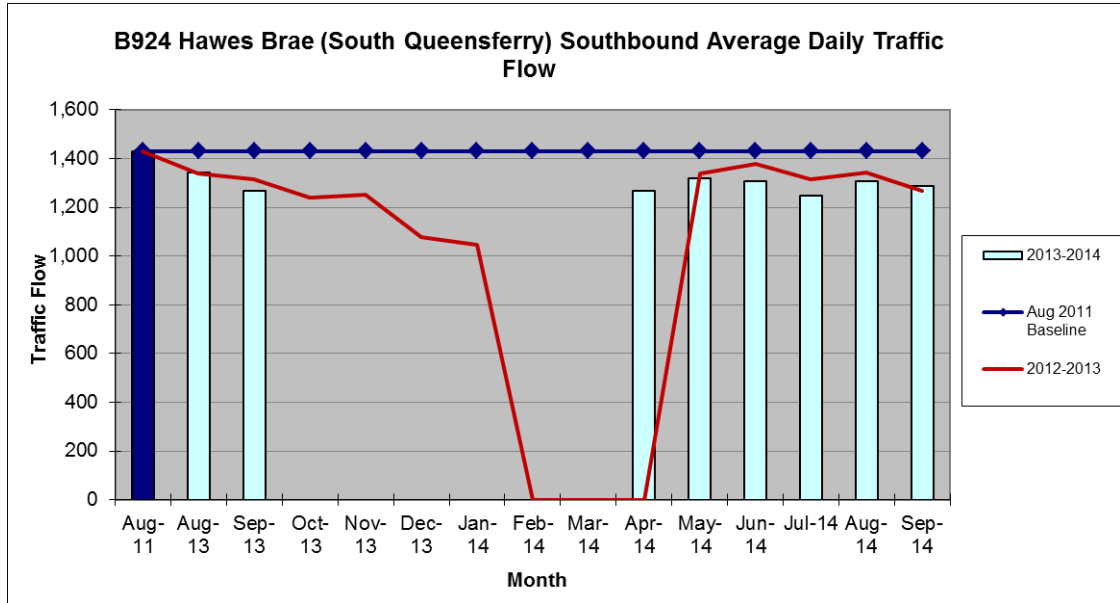


Figure 5-56 Monthly Southbound AADTs on the B924 Hawes Brae (South Queensferry)

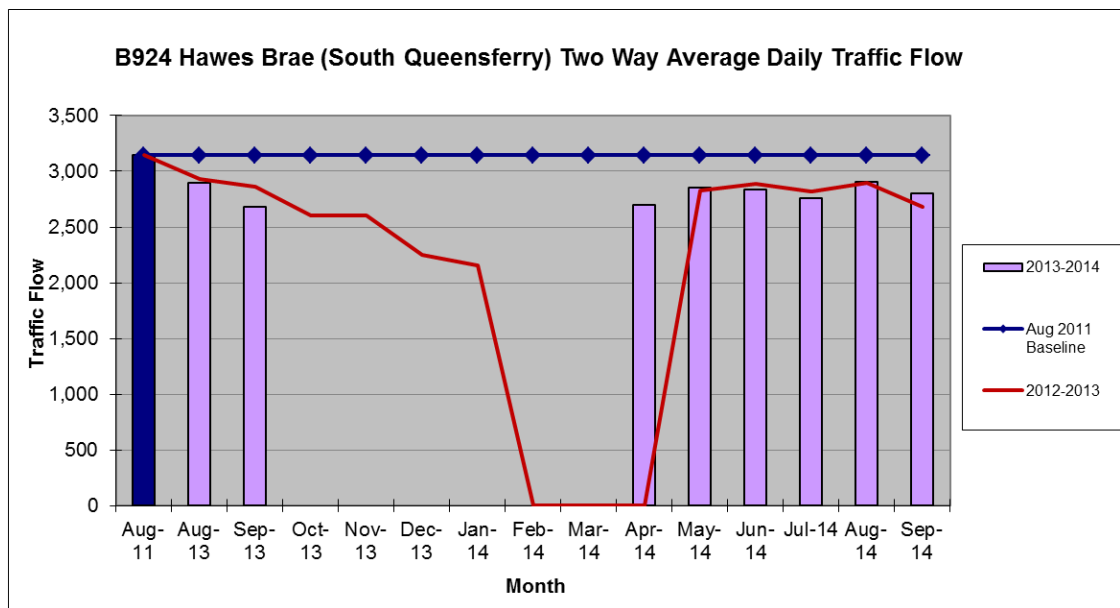
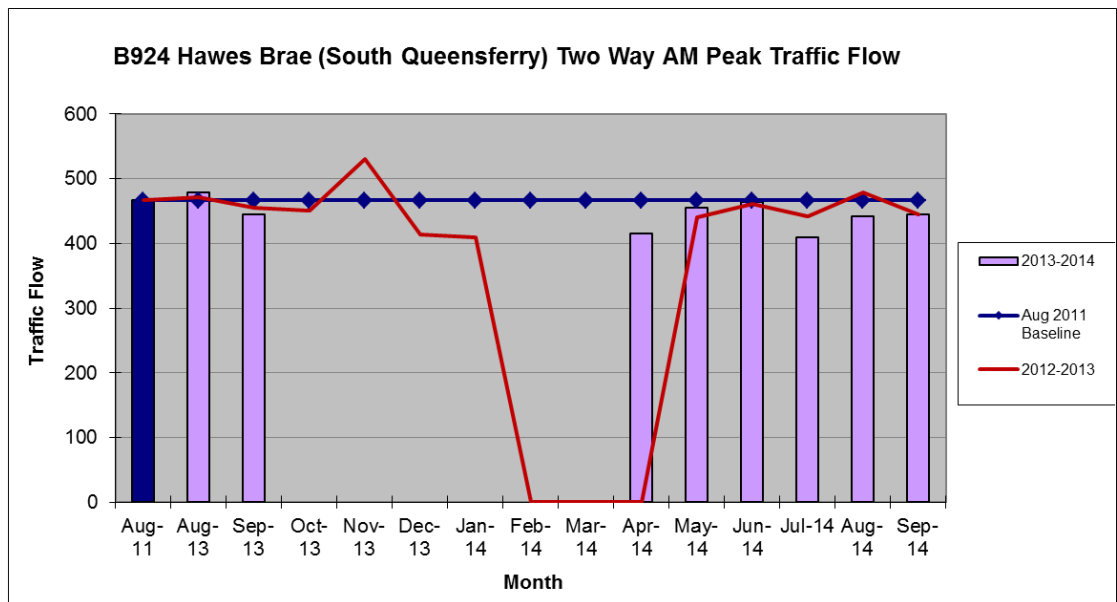


Figure 5-57 Monthly Two Way Daily Traffic Flows on the B924 Hawes Brae (South Queensferry)

### 5.9.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-34 Site: JTC00592 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	467	880
		Aug-13	478	625
		Sep-13	444	585
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	416	584
		May-14	456	613
		Jun-14	464	616
		Jul-14	409	620
		Aug-14	442	695
		Sep-14	445	668
				<b>Annual Average</b>



**Figure 5-58 Monthly Two Way AM Peak Flows on the B924 Hawes Brae (South Queensferry)**

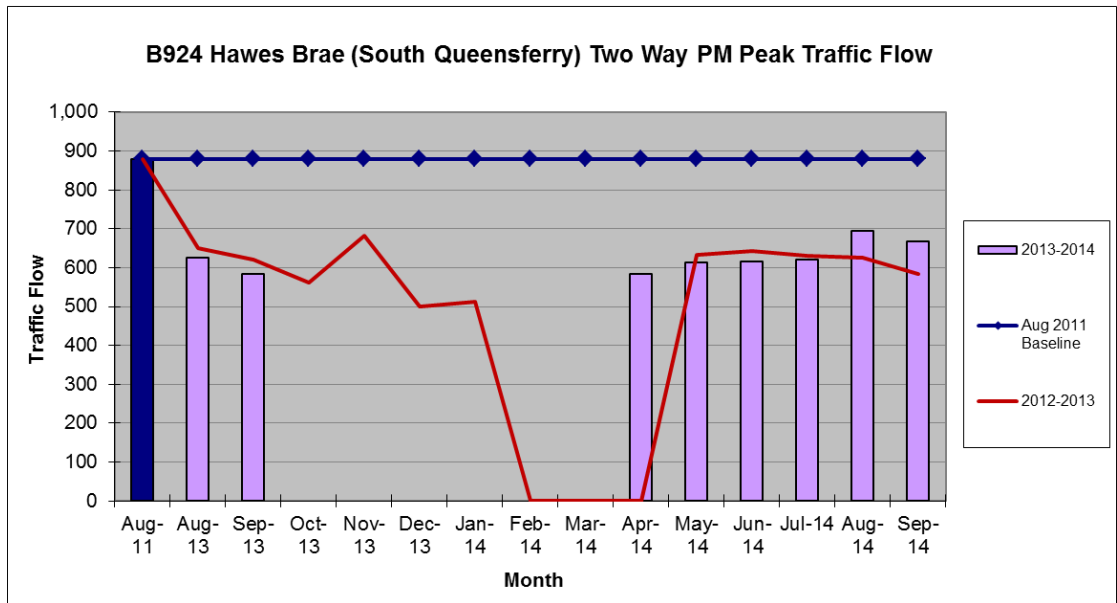


Figure 5-59 Monthly Two Way PM Peak Flows on the B924 Hawes Brae (South Queensferry)

### 5.9.3 Monthly Average HGV Flows

Table 5-35 Site: JTC00592 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	48
		Aug-13	41
		Sep-13	29
		Oct-13	No Data
		Nov-13	No Data
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	14
		May-14	33
		Jun-14	20
		Jul-14	27
		Aug-14	33
		Sep-14	22
		<b>Annual Average</b>	

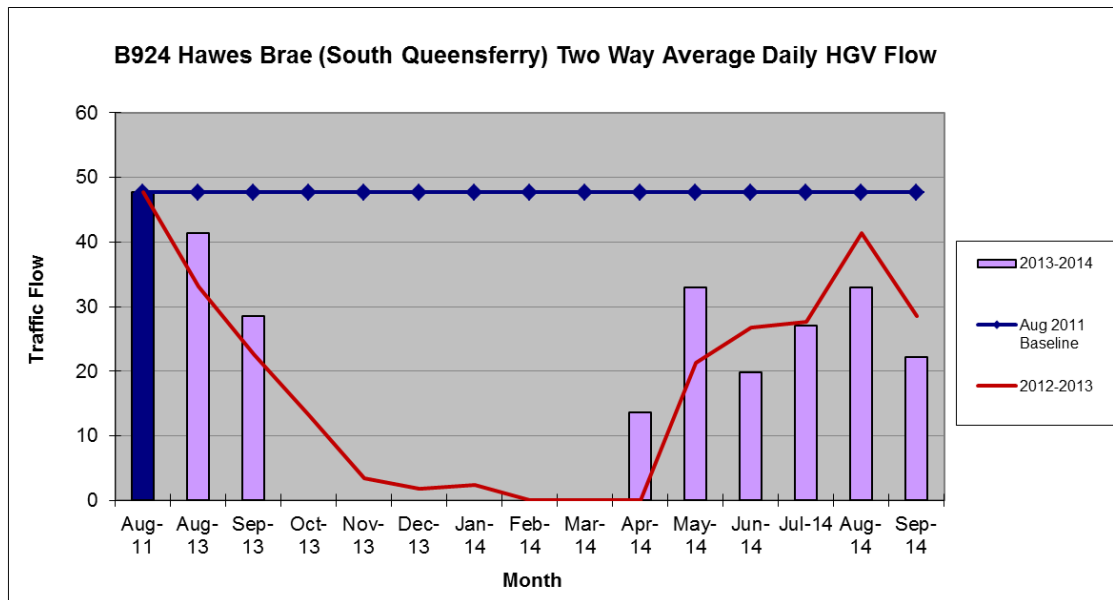


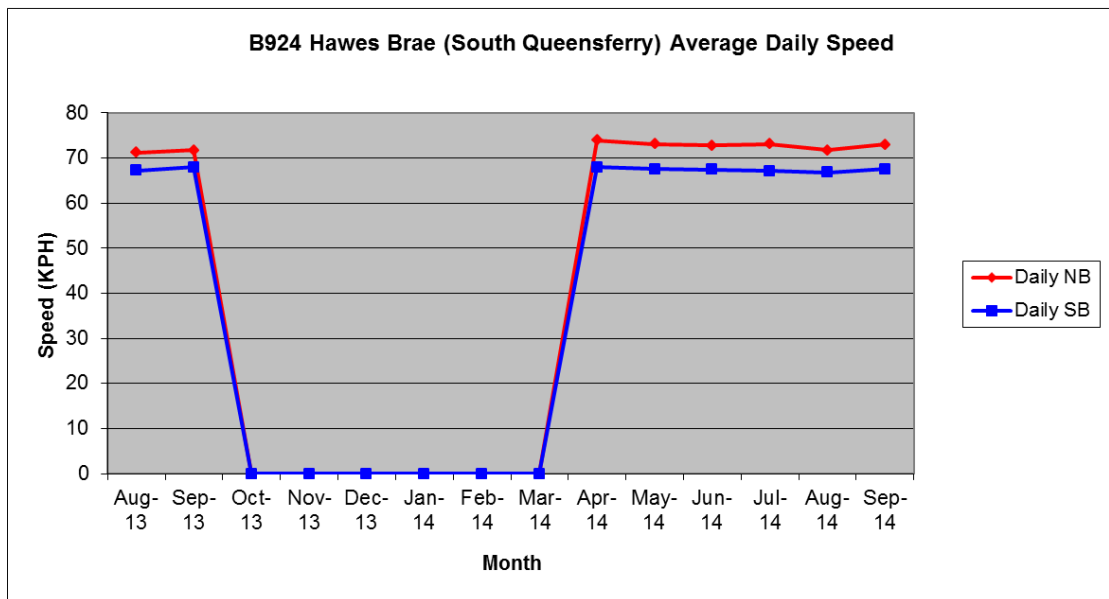
Figure 5-60 Monthly Two Way HGV Flows on the B924 Hawes Brae (South Queensferry)



**5.9.4 Monthly Average All Vehicles Traffic Speeds**

**Table 5-36 Site: JTC00592 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	NB	SB
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-13	71	67
		Sep-13	72	68
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	74	68
		May-14	73	68
		Jun-14	73	67
		Jul-14	73	67
		Aug-14	72	67
		Sep-14	73	68



**Figure 5-61 Average Monthly Traffic Speeds (KPH) on the B924 Hawes Brae (South Queensferry)**

## 5.10 Traffic Counter JTC00594 – B981 Hope Street (Inverkeithing)

### 5.10.1 Monthly Average Traffic Flows

Table 3-5-37 Site: JTC00594 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	2,477	2,393	4,870
		Aug-13	2,003	2,617	4,619
		Sep-13	No Data	No Data	No Data
		Oct-13	No Data	No Data	No Data
		Nov-13	No Data	No Data	No Data
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	No Data	No Data	No Data
		Apr-14	No Data	No Data	No Data
		May-14	No Data	No Data	No Data
		Jun-14	No Data	No Data	No Data
		Jul-14	No Data	No Data	No Data
		Aug-14	No Data	No Data	No Data
		Sep-14	No Data	No Data	No Data
		<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	<b>No Data</b>

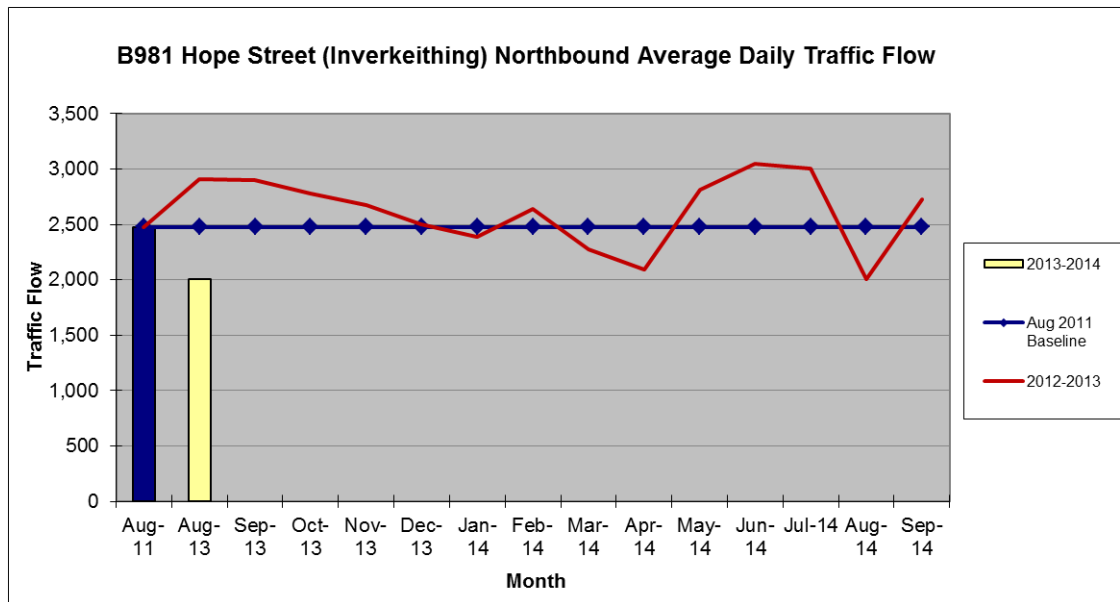


Figure 5-62 Monthly Northbound AADTs on the B981 Hope Street (Inverkeithing)

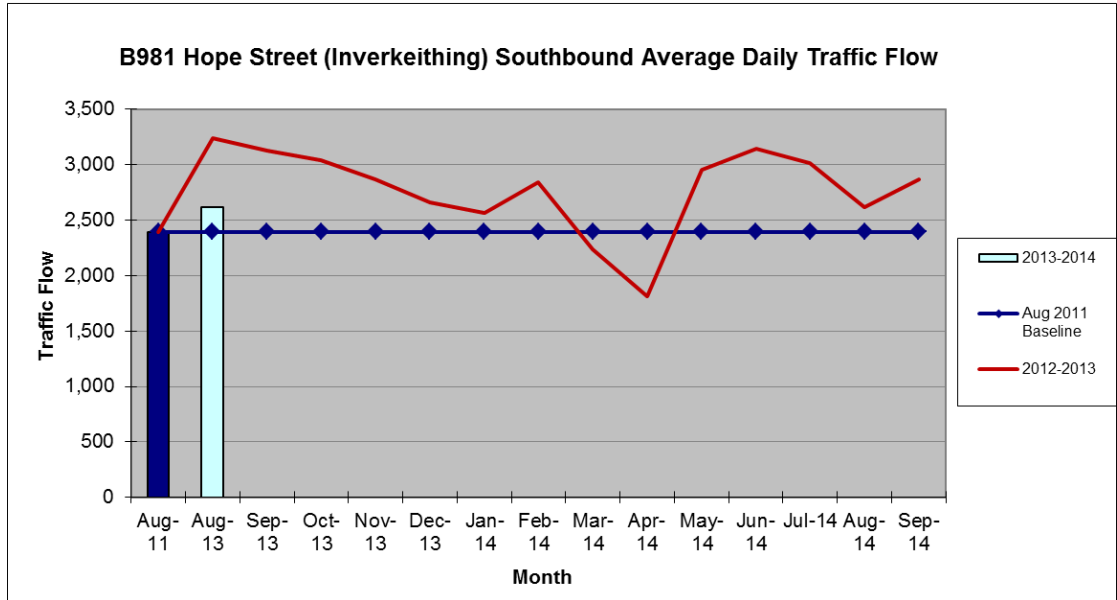


Figure 5-63 Monthly Southbound AADTs on the B981 Hope Street (Inverkeithing)

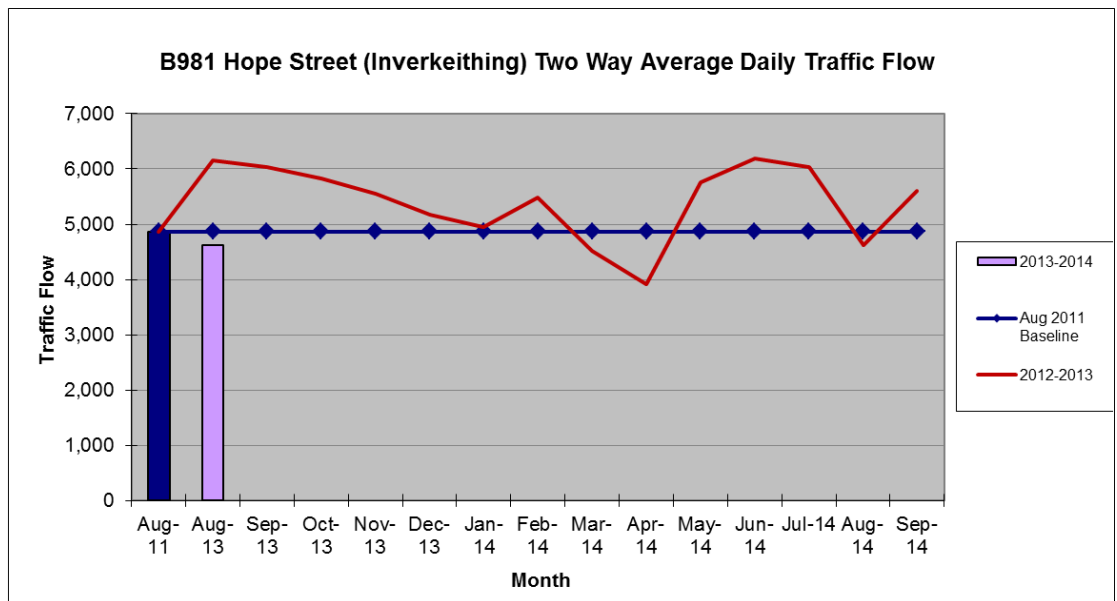
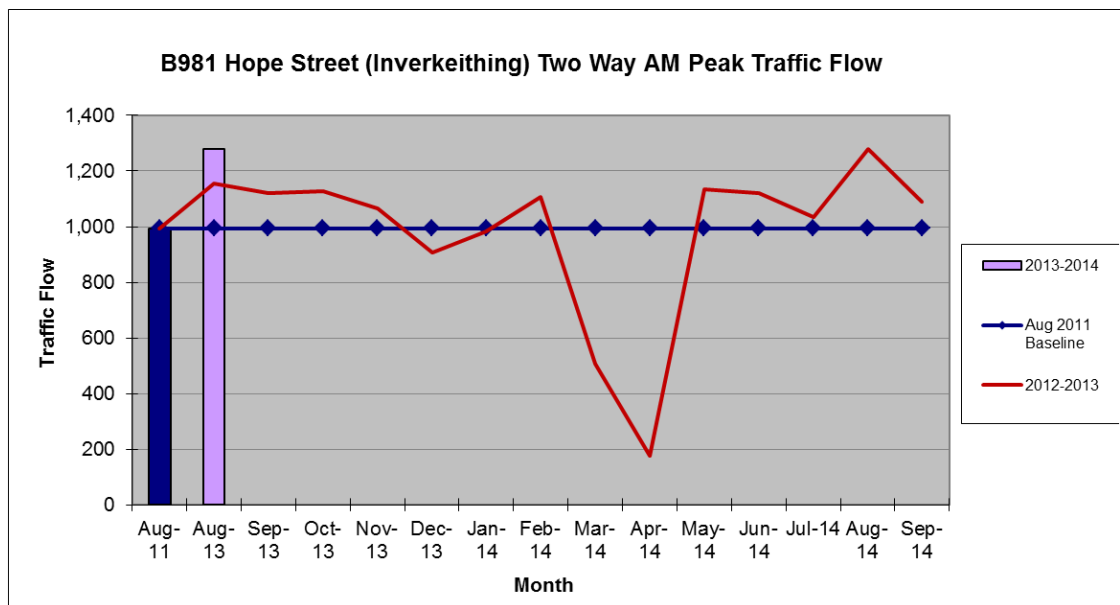


Figure 5-64 Monthly Two Way Daily Traffic Flows on the B981 Hope Street (Inverkeithing)

### 5.10.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-38 Site: JTC00594 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	994	1,200
		Aug-13	1,280	607
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data
	<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	



**Figure 5-65 Monthly Two Way AM Peak Flows on the B981 Hope Street (Inverkeithing)**

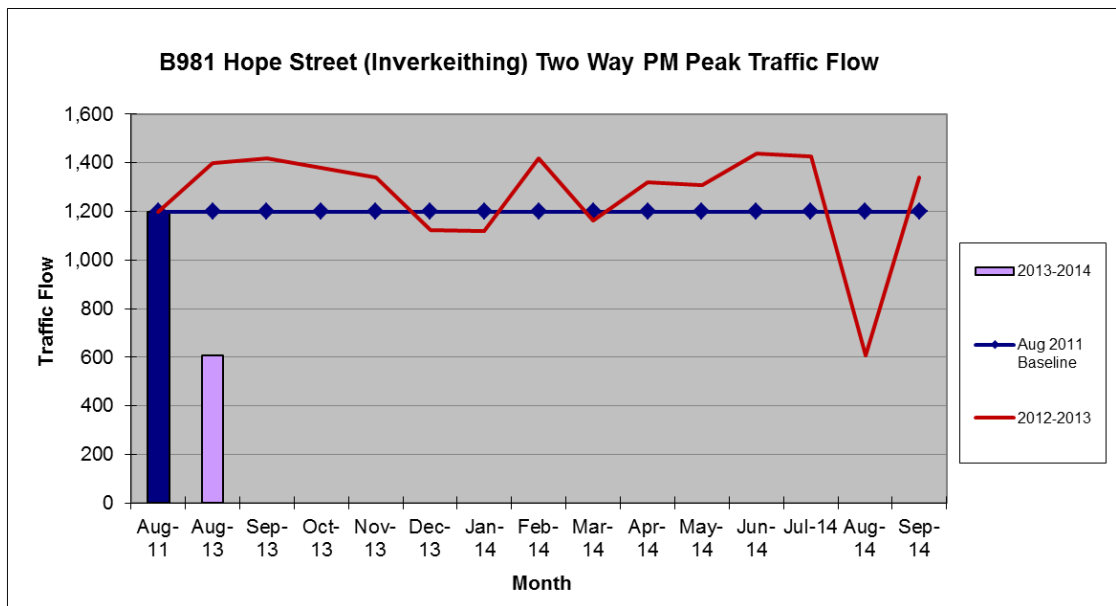


Figure 5-66 Monthly Two Way PM Peak Flows on the B981 Hope Street (Inverkeithing)

### 5.10.3 Monthly Average HGV Flows

Table 5-39 Site: JTC00594 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	119
		Aug-13	129
		Sep-13	No Data
		Oct-13	No Data
		Nov-13	No Data
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	No Data
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	No Data
	<b>Annual Average</b>	<b>No Data</b>	

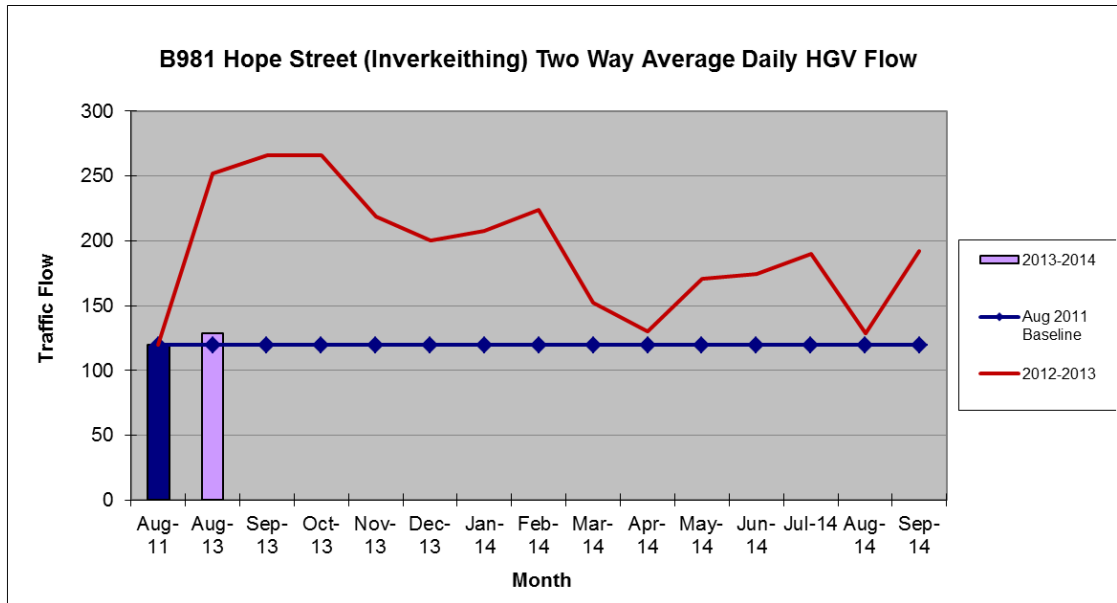


Figure 5-67 Monthly Two Way HGV Flows on the B981 Hope Street (Inverkeithing)

### 5.10.4 Monthly Average All Vehicles Traffic Speeds

Table 5-40 Site: JTC00594 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00594	B981 Hope Street (Inverkeithing)	Aug-13	49	48
		Sep-13	No Data	No Data
		Oct-13	No Data	No Data
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data

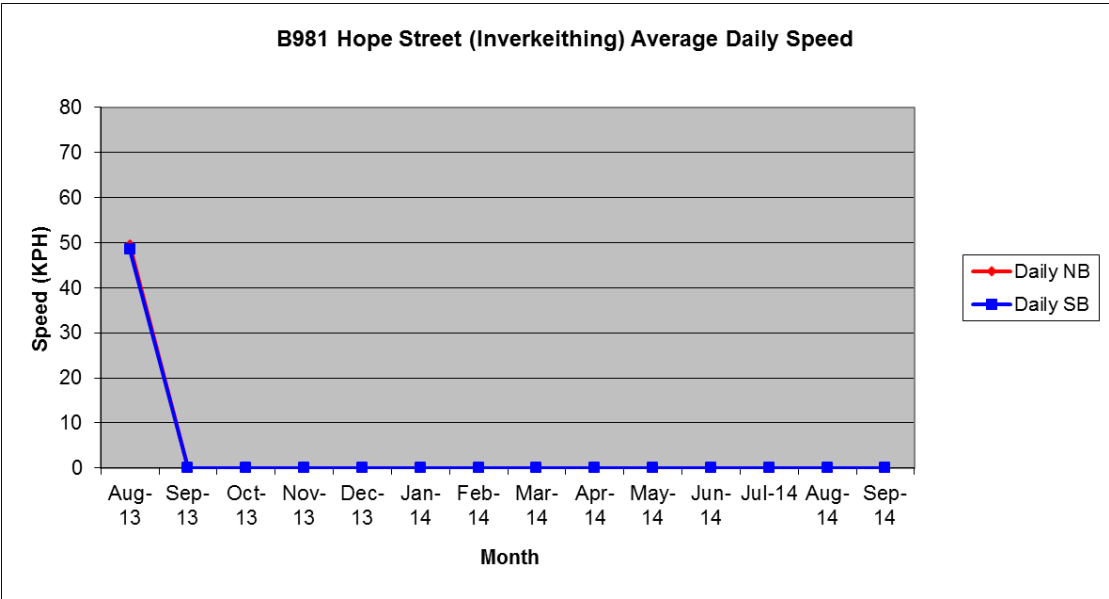


Figure 5-68 Average Monthly Traffic Speeds (KPH) on the B981 Hope Street (Inverkeithing)

## 5.11 Traffic Counter JTC00595 – B981 North Queensferry

### 5.11.1 Monthly Average Traffic Flows

Table 3-5-41 Site: JTC00595 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	1,381	1,349	2,730
		Aug-13	1,326	1,288	2,613
		Sep-13	1,102	1,065	2,167
		Oct-13	1,007	975	1,982
		Nov-13	970	922	1,893
		Dec-13	873	831	1,704
		Jan-14	943	887	1,830
		Feb-14	1,080	1,035	2,115
		Mar-14	1,093	1,045	2,138
		Apr-14	1,204	1,164	2,368
		May-14	1,234	1,182	2,416
		Jun-14	1,171	1,119	2,290
		Jul-14	1,232	1,193	2,425
		Aug-14	1,268	1,229	2,498
		Sep-14	1,098	1,061	2,159
<b>Annual Average</b>			<b>1,103</b>	<b>1,059</b>	<b>2,162</b>

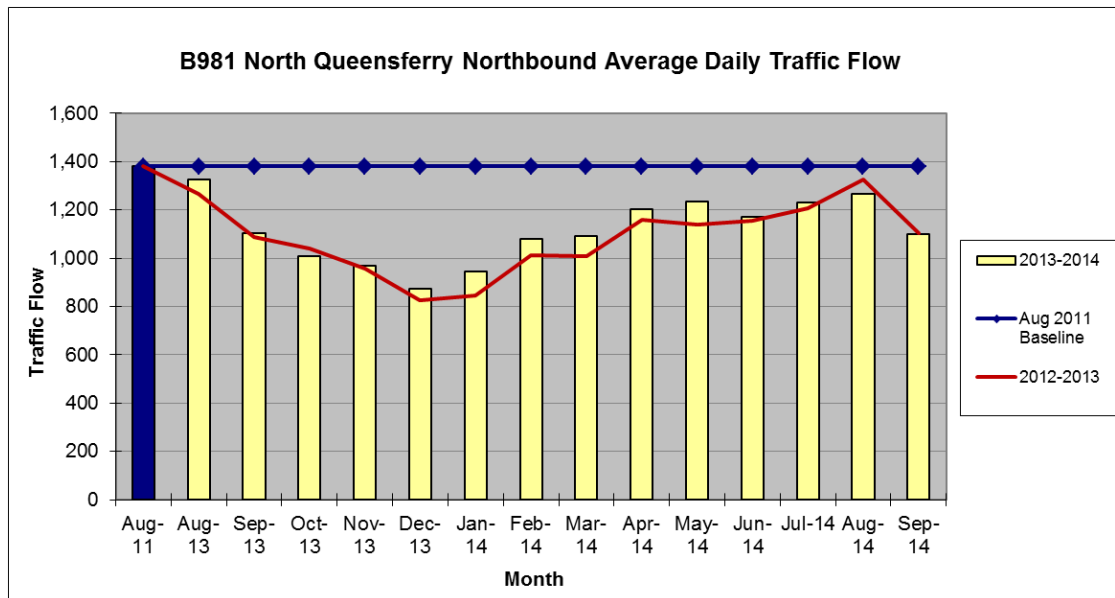


Figure 5-69 Monthly Northbound AADTs on the B981 North Queensferry



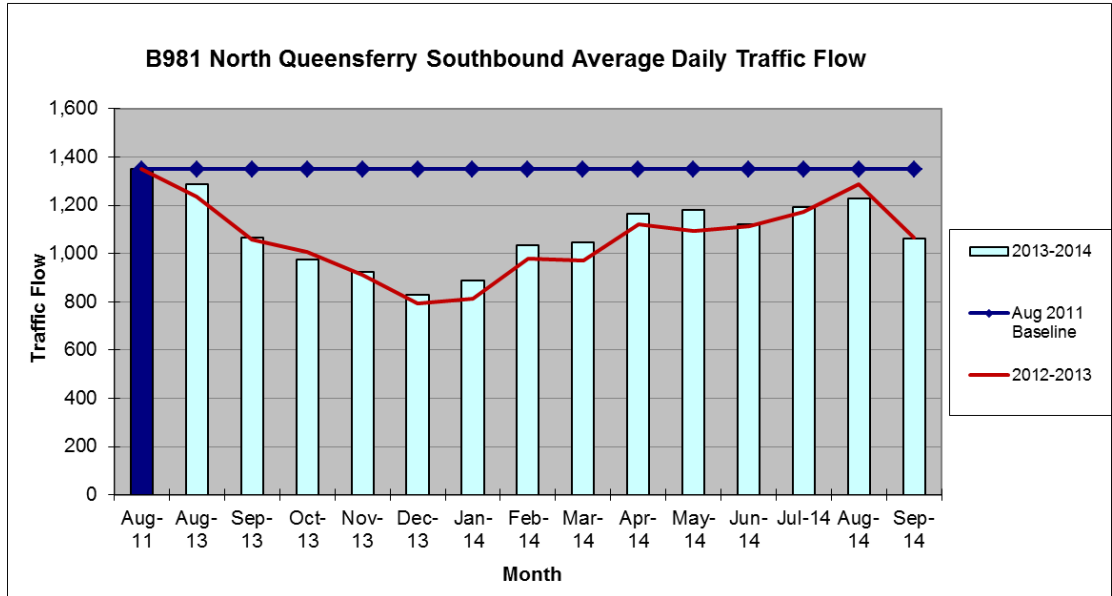


Figure 5-70 Monthly Southbound AADTs on the B981 North Queensferry

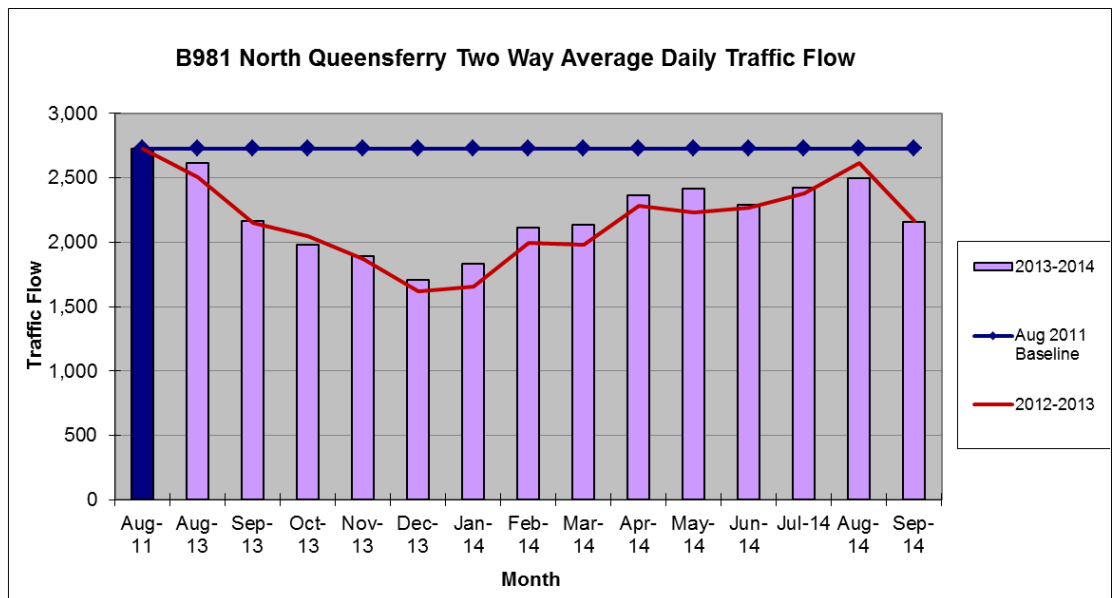
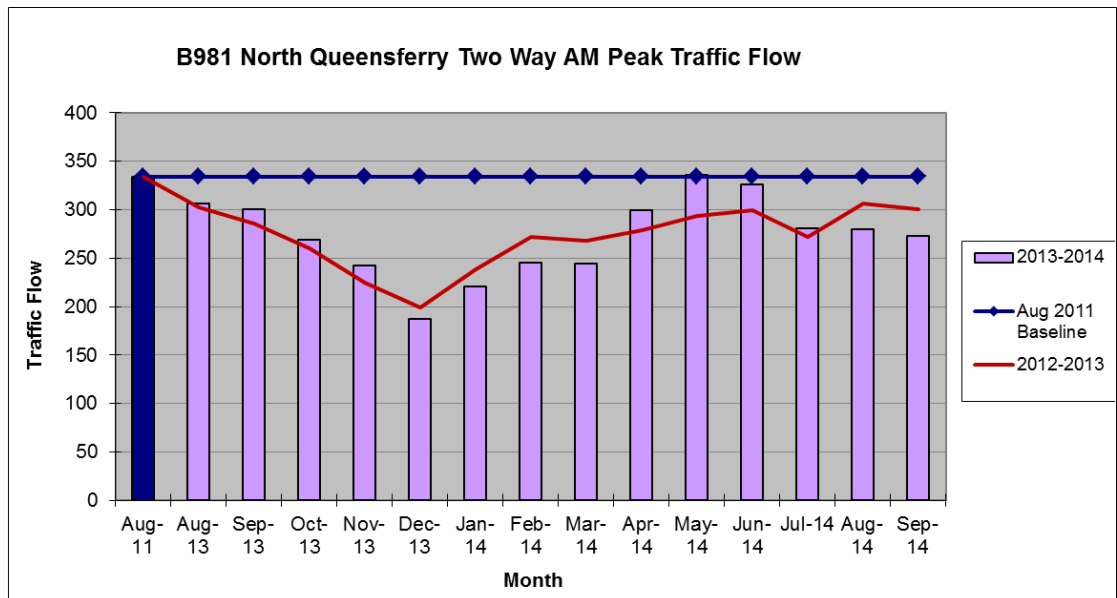


Figure 5-71 Monthly Two Way Daily Traffic Flows on the B981 North Queensferry

### 5.11.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-42 Site: JTC00595 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00595	B981 North Queensferry	Aug-11	334	543
		Aug-13	306	511
		Sep-13	300	447
		Oct-13	269	390
		Nov-13	242	436
		Dec-13	187	364
		Jan-14	221	414
		Feb-14	246	474
		Mar-14	245	492
		Apr-14	300	471
		May-14	336	493
		Jun-14	326	462
		Jul-14	281	458
		Aug-14	280	473
		Sep-14	273	443
		<b>Annual Average</b>	<b>272</b>	<b>451</b>



**Figure 5-72 Monthly Two Way AM Peak Flows on the B981 North Queensferry**

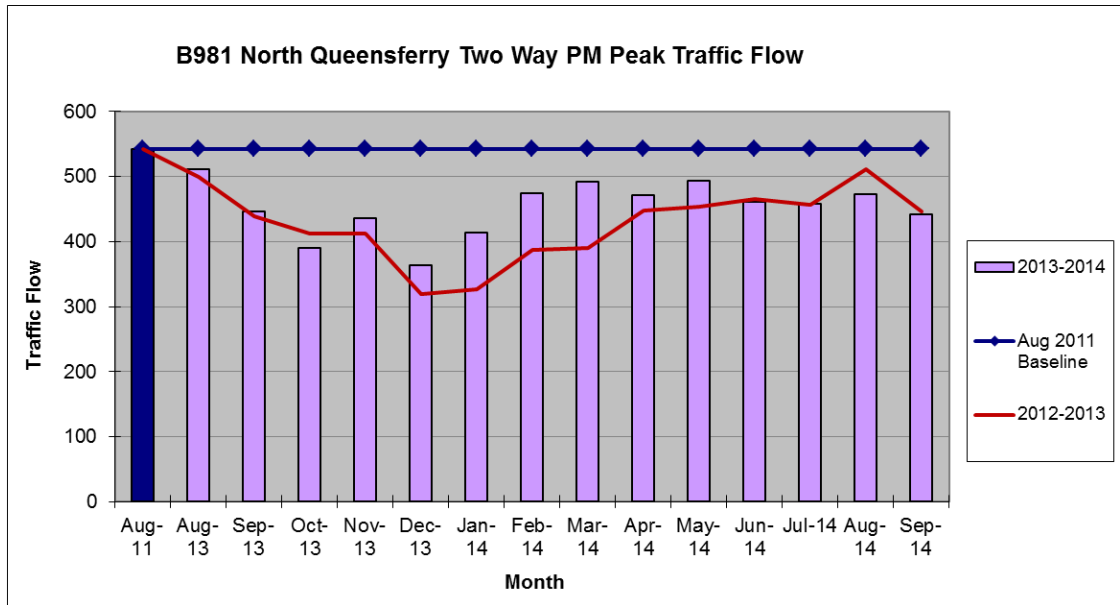


Figure 5-73 Monthly Two Way PM Peak Flows on the B981 North Queensferry

5.11.3 Monthly Average HGV Flows

Table 5-43 Site: JTC00595 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00595	B981 North Queensferry	Aug-11	30
		Aug-13	34
		Sep-13	31
		Oct-13	28
		Nov-13	26
		Dec-13	23
		Jan-14	25
		Feb-14	26
		Mar-14	28
		Apr-14	27
		May-14	31
		Jun-14	30
		Jul-14	30
		Aug-14	33
		Sep-14	30
		<b>Annual Average</b>	<b>28</b>

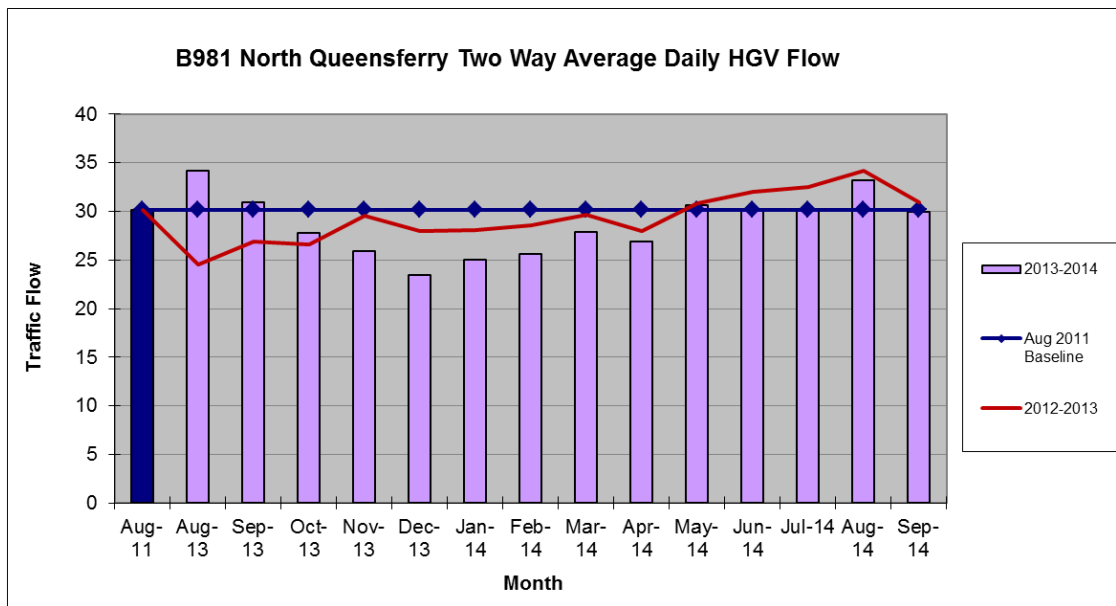


Figure 5-74 Monthly Two Way HGV Flows on the B981 North Queensferry

### 5.11.4 Monthly Average All Vehicles Traffic Speeds

Table 5-44 Site: JTC00595 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00595	B981 North Queensferry	Aug-13	43	43
		Sep-13	43	43
		Oct-13	44	43
		Nov-13	44	43
		Dec-13	45	43
		Jan-14	45	44
		Feb-14	44	43
		Mar-14	43	42
		Apr-14	42	42
		May-14	42	42
		Jun-14	42	42
		Jul-14	42	42
		Aug-14	42	41
		Sep-14	41	40

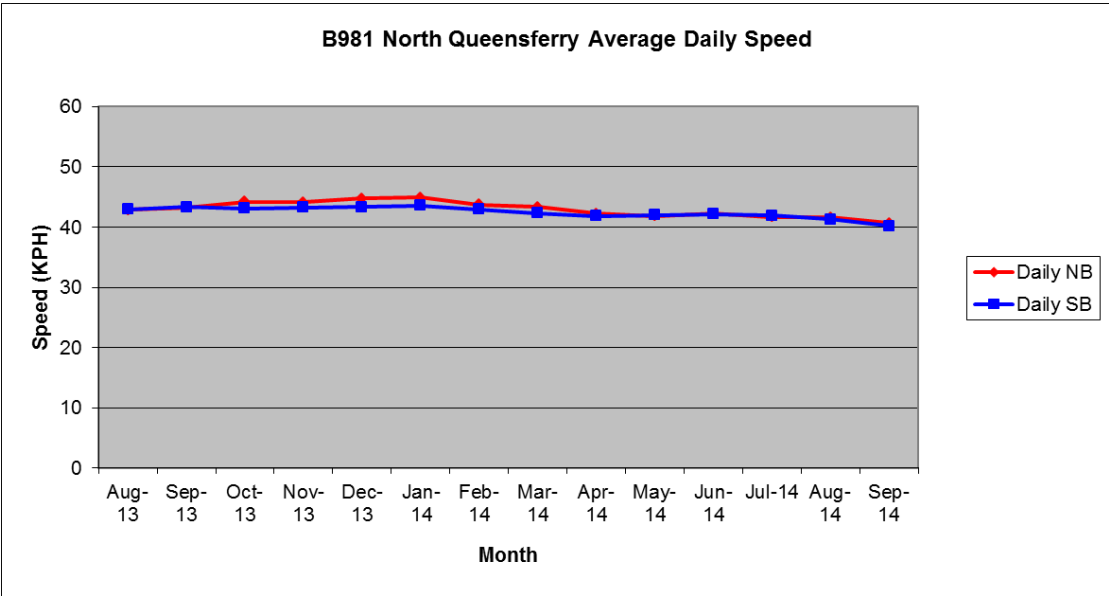


Figure 5-75 Average Monthly Traffic Speeds (KPH) on the B981 North Queensferry

## 5.12 Traffic Counter JTC00599 – B8046 Old Philpstoun

### 5.12.1 Monthly Average Traffic Flows

Table 3-5-45 Site: JTC00599 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philpstoun	Aug-11	4,290	4,659	8,949
		Aug-13	3,165	3,618	6,784
		Sep-13	3,013	3,368	6,382
		Oct-13	2,990	3,323	6,313
		Nov-13	3,100	3,477	6,576
		Dec-13	2,697	3,056	5,754
		Jan-14	2,873	3,197	6,070
		Feb-14	3,079	3,405	6,484
		Mar-14	3,168	3,492	6,660
		Apr-14	3,276	3,567	6,843
		May-14	3,370	3,616	6,987
		Jun-14	3,435	3,710	7,145
		Jul-14	3,298	3,600	6,898
		Aug-14	3,325	3,591	6,916
		Sep-14	3,341	3,535	6,876
			<b>Annual Average</b>		<b>3,122</b>

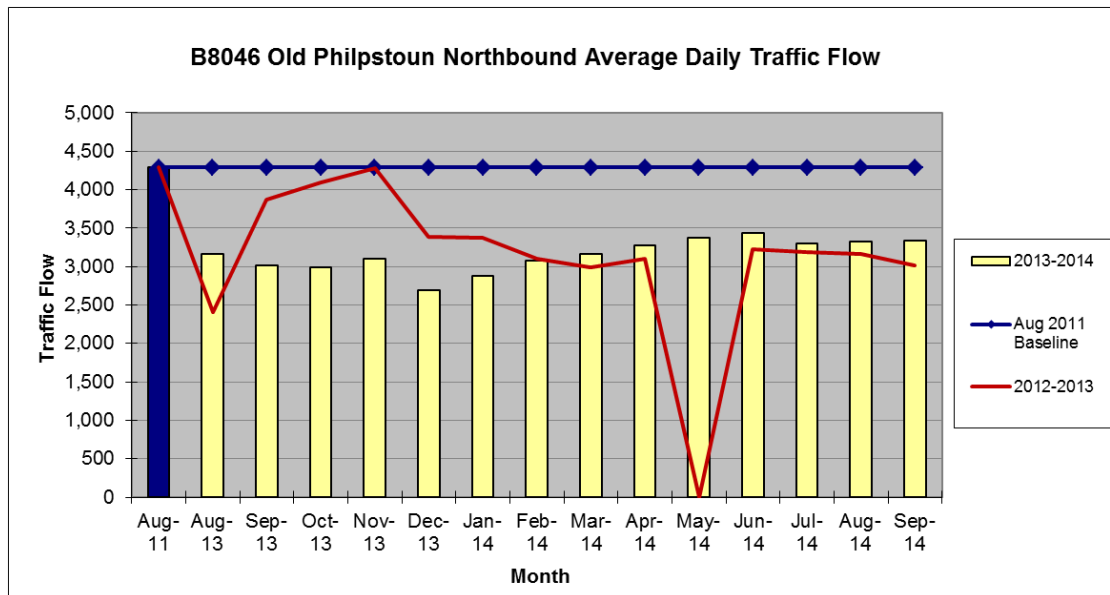


Figure 5-76 Monthly Northbound AADTs on the B8046 Old Philpstoun

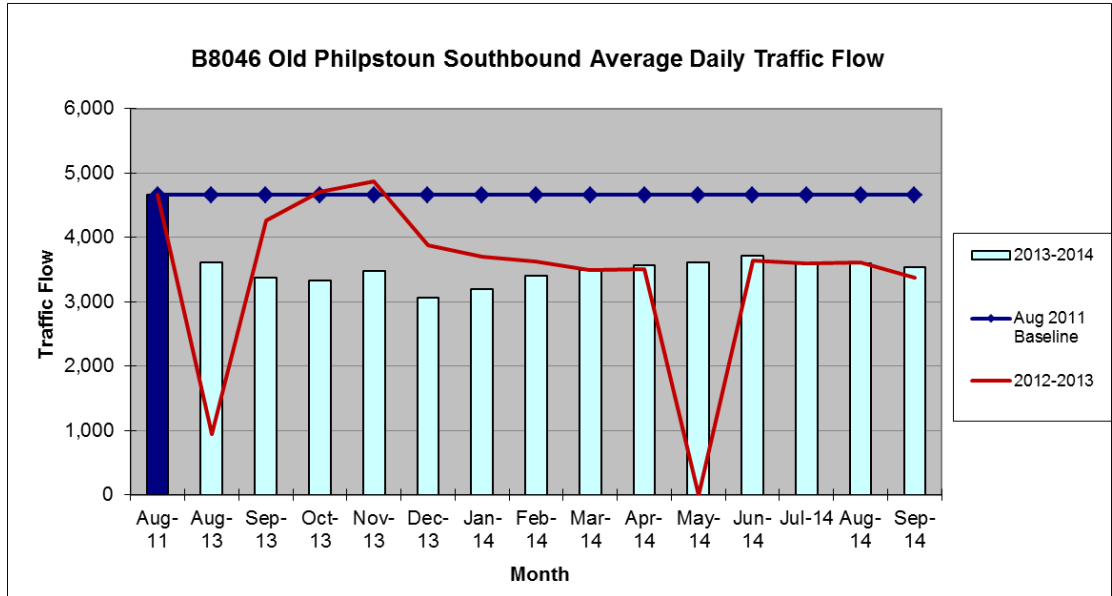


Figure 5-77 Monthly Southbound AADTs on the B8046 Old Philpstoun

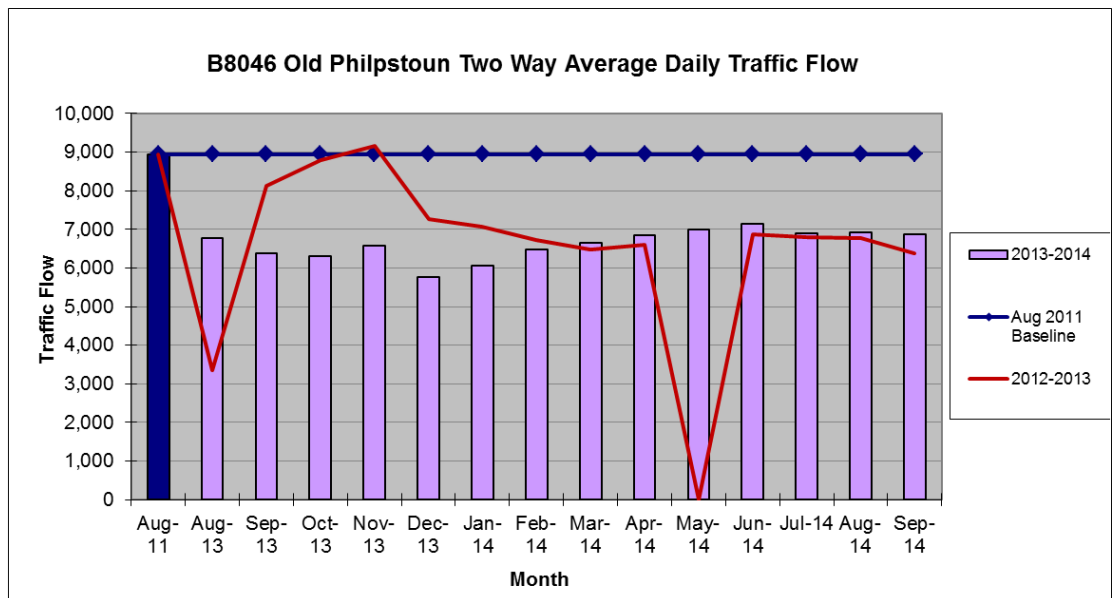
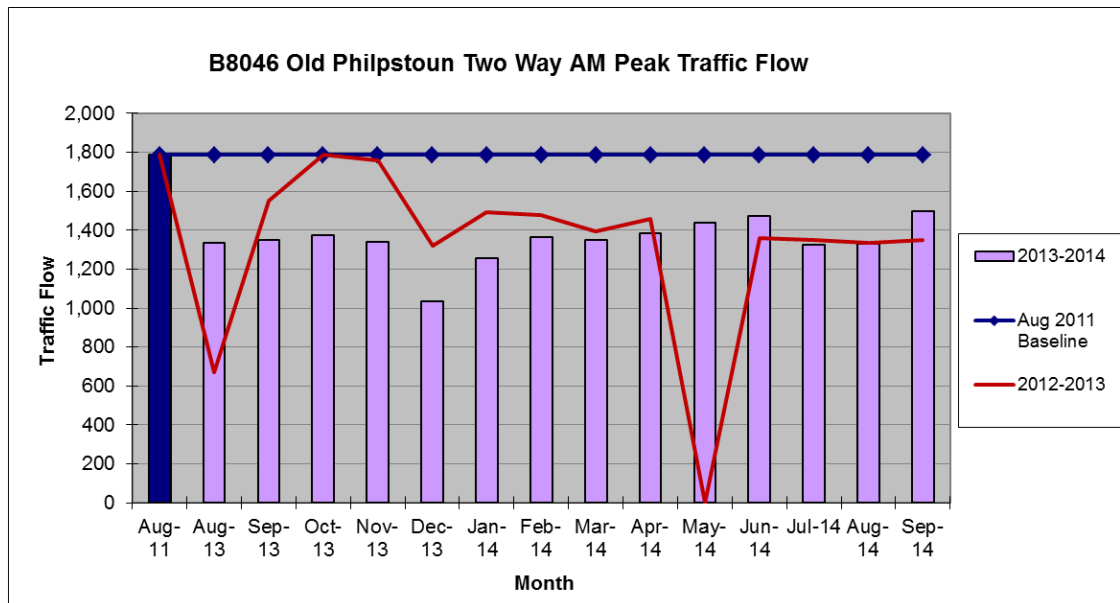


Figure 5-78 Monthly Two Way Daily Traffic Flows on the B8046 Old Philpstoun

### 5.12.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-46 Site: JTC00599 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00599	B8046 Old Philpstoun	Aug-11	1,787	2,285
		Aug-13	1,334	1,788
		Sep-13	1,348	1,702
		Oct-13	1,372	1,688
		Nov-13	1,341	1,746
		Dec-13	1,034	1,465
		Jan-14	1,258	1,642
		Feb-14	1,367	1,724
		Mar-14	1,350	1,781
		Apr-14	1,384	1,839
		May-14	1,440	1,832
		Jun-14	1,475	1,872
		Jul-14	1,325	1,786
		Aug-14	1,329	1,816
		Sep-14	1,499	1,843
				<b>Annual Average</b>



**Figure 5-79 Monthly Two Way AM Peak Flows on the B8046 Old Philpstoun**



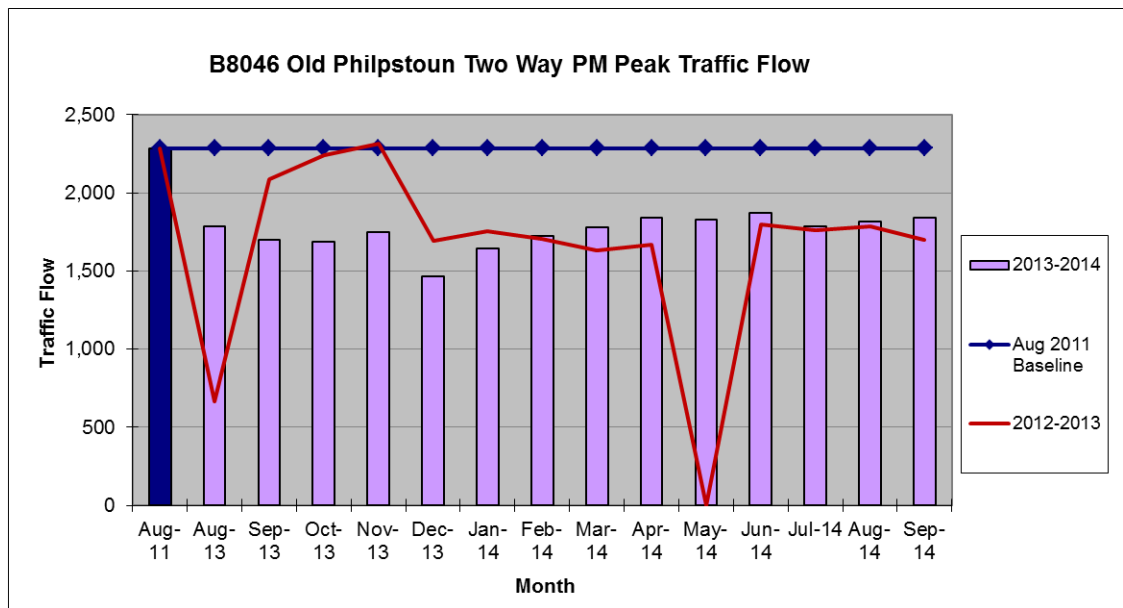


Figure 5-80 Monthly Two Way PM Peak Flows on the B8046 Old Philpstoun

### 5.12.3 Monthly Average HGV Flows

Table 5-47 Site: JTC00599 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00599	B8046 Old Philpstoun	Aug-11	358
		Aug-13	107
		Sep-13	97
		Oct-13	103
		Nov-13	107
		Dec-13	86
		Jan-14	88
		Feb-14	94
		Mar-14	95
		Apr-14	95
		May-14	101
		Jun-14	105
		Jul-14	101
		Aug-14	106
Sep-14	107		
		<b>Annual Average</b>	<b>98</b>

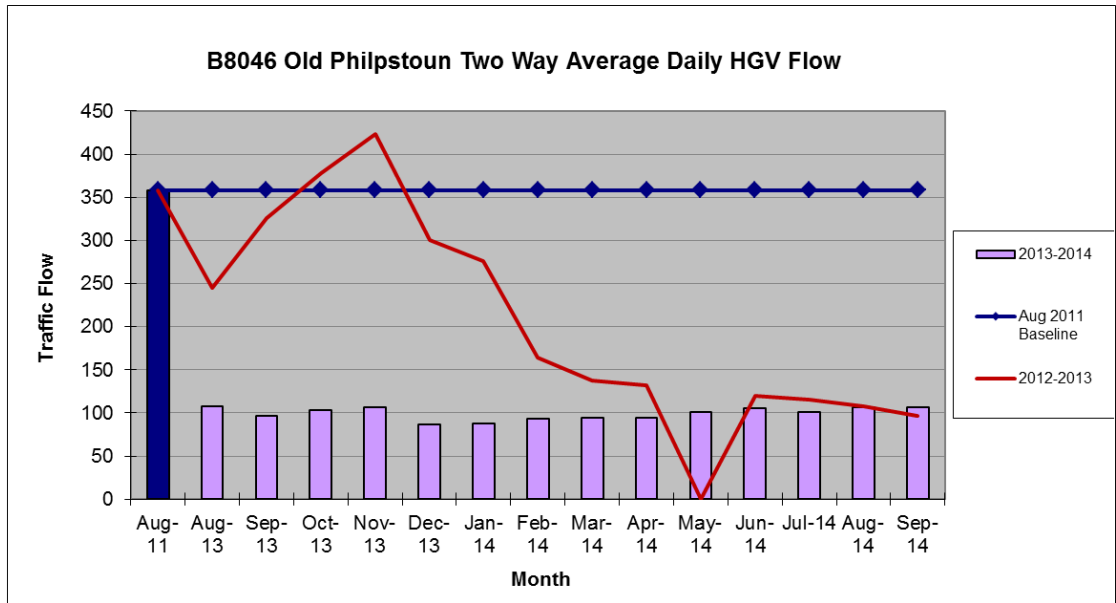


Figure 5-81 Monthly Two Way HGV Flows on the B8046 Old Philpstoun

### 5.12.4 Monthly Average All Vehicles Traffic Speeds

Table 5-48 Site: JTC00599 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00599	B8046 Old Philpstoun	Aug-13	43	54
		Sep-13	43	54
		Oct-13	42	54
		Nov-13	42	53
		Dec-13	43	53
		Jan-14	43	54
		Feb-14	43	54
		Mar-14	43	54
		Apr-14	43	54
		May-14	43	54
		Jun-14	43	54
		Jul-14	43	54
		Aug-14	43	54
		Sep-14	43	54

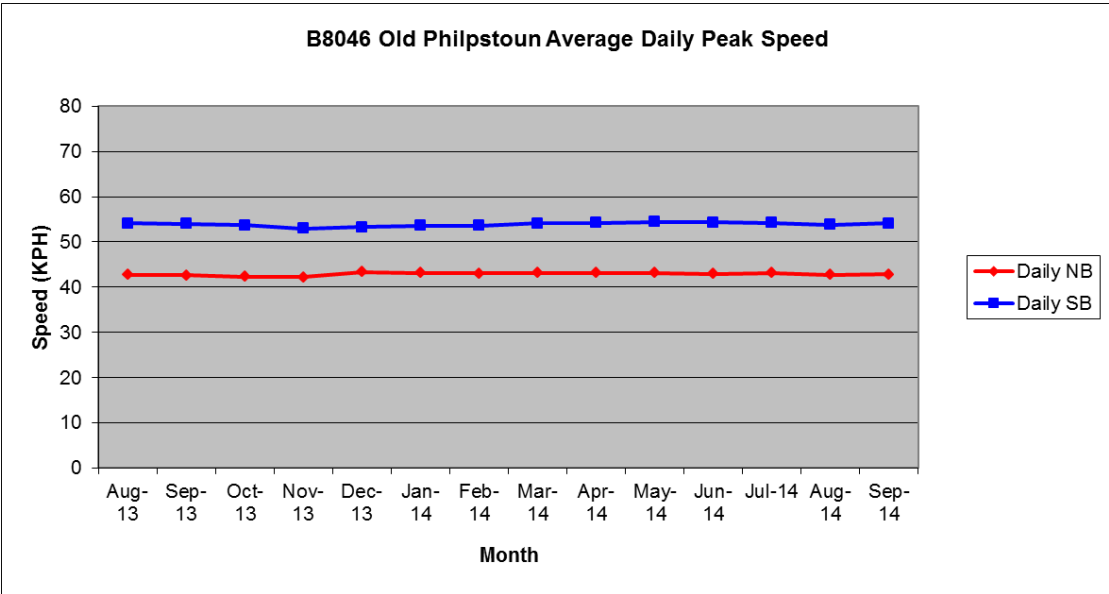


Figure 5-82 Average Monthly Traffic Speeds (KPH) on the B8046 Old Philpstoun

### 5.13 Traffic Counter JTC00600 – B8020 South of A904 Junction

#### 5.13.1 Monthly Average Traffic Flows

Table 3-5-49 Site: JTC00600 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way		
JTC00600	B8020 South of A904 Junction	Aug-11	473	566	1,039		
		Aug-13	557	670	1,228		
		Sep-13	525	630	1,155		
		Oct-13	468	567	1,034		
		Nov-13	No Data	No Data	No Data		
		Dec-13	No Data	No Data	No Data		
		Jan-14	No Data	No Data	No Data		
		Feb-14	No Data	No Data	No Data		
		Mar-14	No Data	No Data	No Data		
		Apr-14	452	560	1,012		
		May-14	475	565	1,040		
		Jun-14	482	593	1,074		
		Jul-14	478	584	1,062		
		Aug-14	529	618	1,147		
		Sep-14	575	679	1,254		
		<b>Annual Average</b>			<b>491</b>	<b>596</b>	<b>1,087</b>

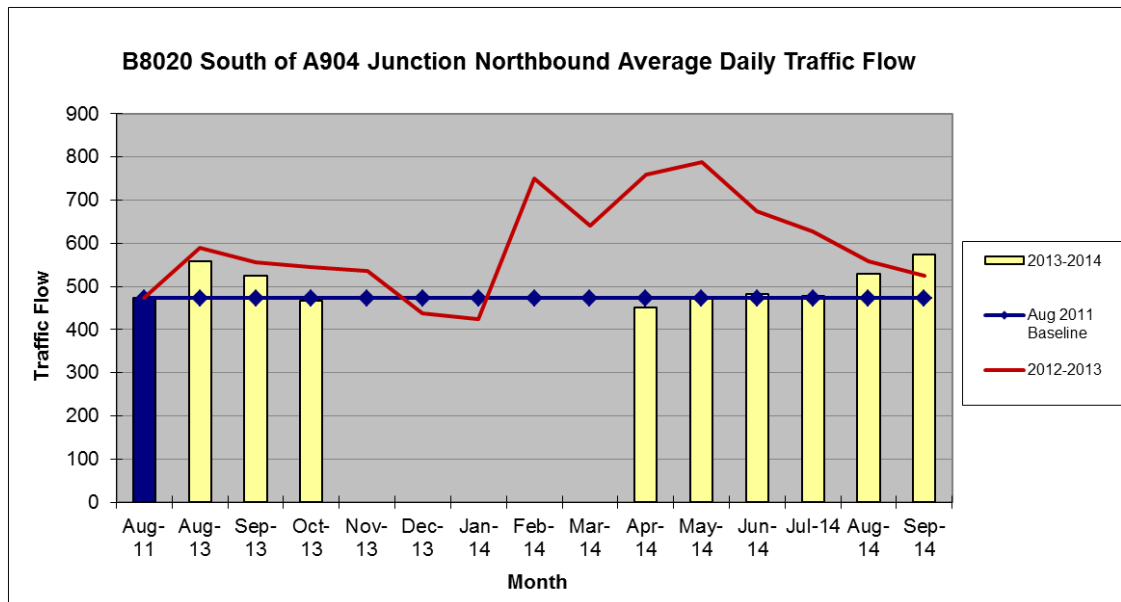


Figure 5-83 Monthly Northbound AADTs on the B8020 South of A904 Junction

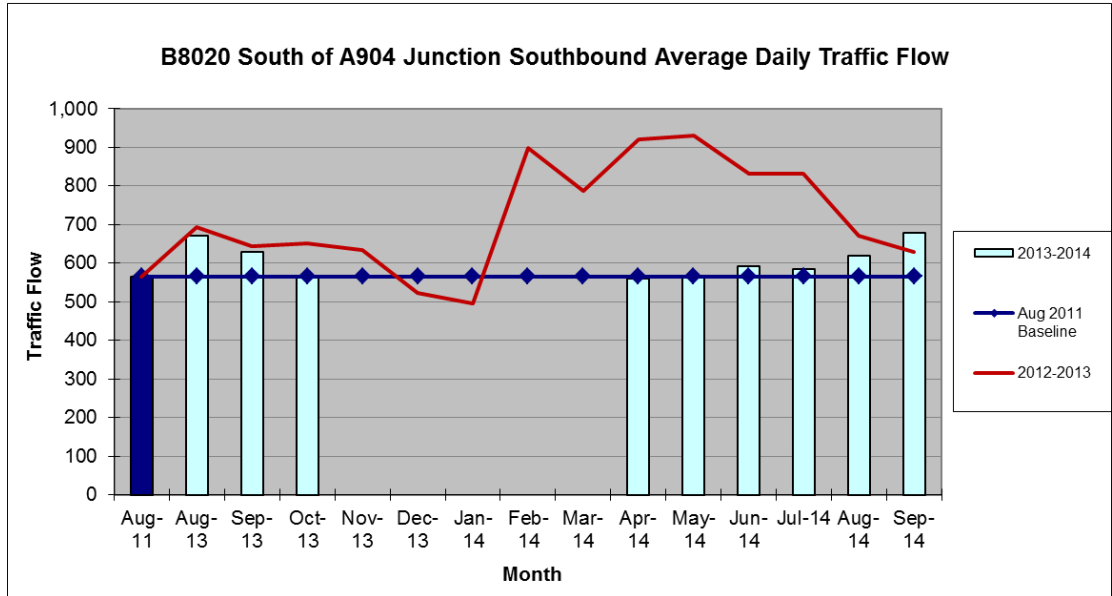


Figure 5-84 Monthly Southbound AADTs on the B8020 South of A904 Junction

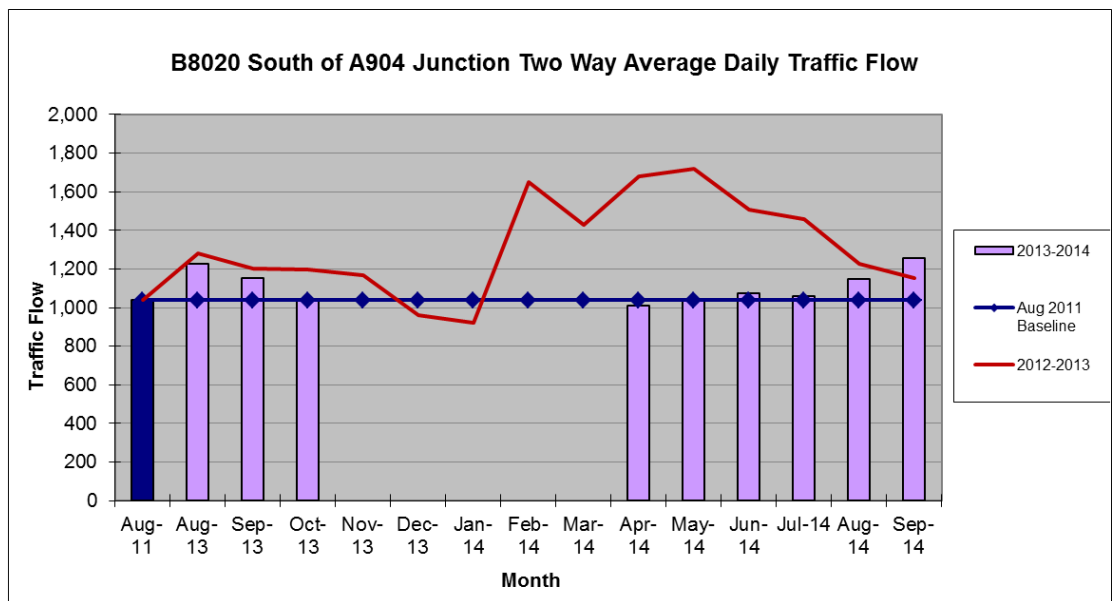
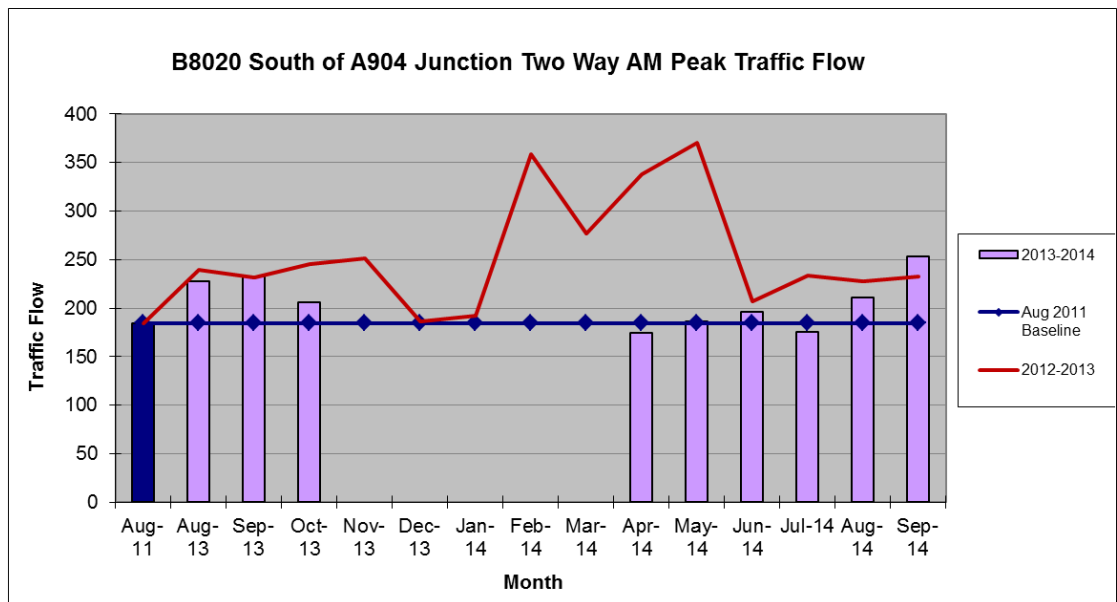


Figure 5-85 Monthly Two Way Daily Traffic Flows on the B8020 South of A904 Junction

### 5.13.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-50 Site: JTC00600 Monthly Two Way AM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00600	B8020 South of A904 Junction	Aug-11	184	253
		Aug-13	227	271
		Sep-13	232	262
		Oct-13	206	239
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	175	243
		May-14	187	250
		Jun-14	196	268
		Jul-14	176	269
		Aug-14	211	276
		Sep-14	253	300
<b>Annual Average</b>			<b>200</b>	<b>258</b>



**Figure 5-86 Monthly Two Way AM Peak Flows on the B8020 South of A904 Junction**

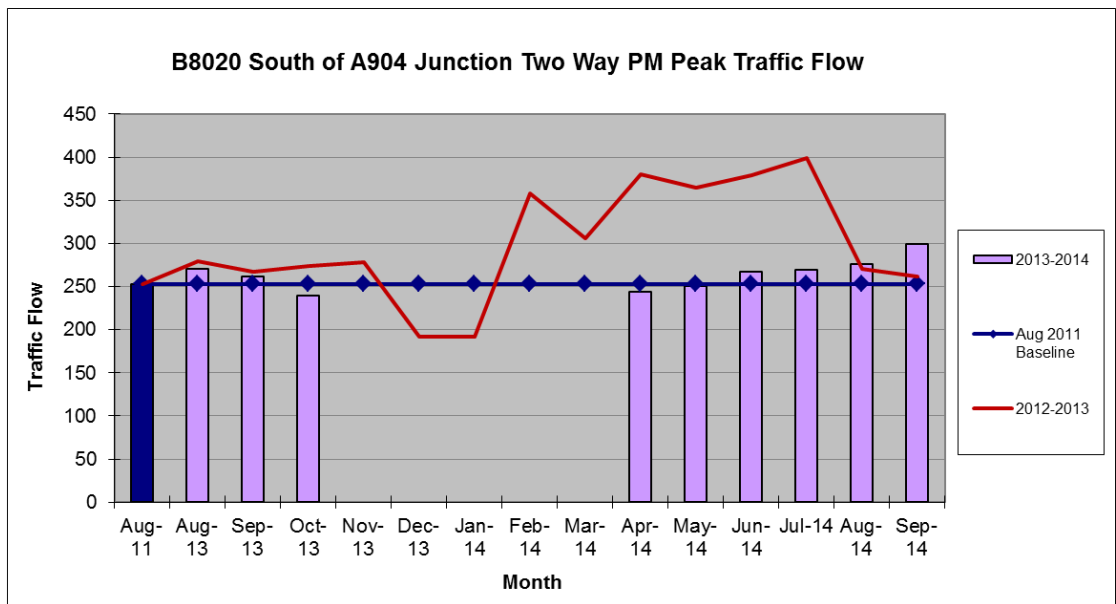


Figure 5-87 Monthly Two Way PM Peak Flows on the B8020 South of A904 Junction

### 5.13.3 Monthly Average HGV Flows

Table 5-51 Site: JTC00600 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	1
		Aug-13	1
		Sep-13	1
		Oct-13	2
		Nov-13	No Data
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	2
		May-14	2
		Jun-14	1
		Jul-14	1
		Aug-14	4
		Sep-14	4
		<b>Annual Average</b>	<b>1</b>

5.13.4 Monthly Average All Vehicles Traffic Speeds

Table 5-52 Site: JTC00600 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00600	B8020 South of A904 Junction	Aug-13	41	40
		Sep-13	41	40
		Oct-13	41	41
		Nov-13	No Data	No Data
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	41	41
		May-14	41	41
		Jun-14	41	40
		Jul-14	41	40
		Aug-14	41	40
		Sep-14	41	40

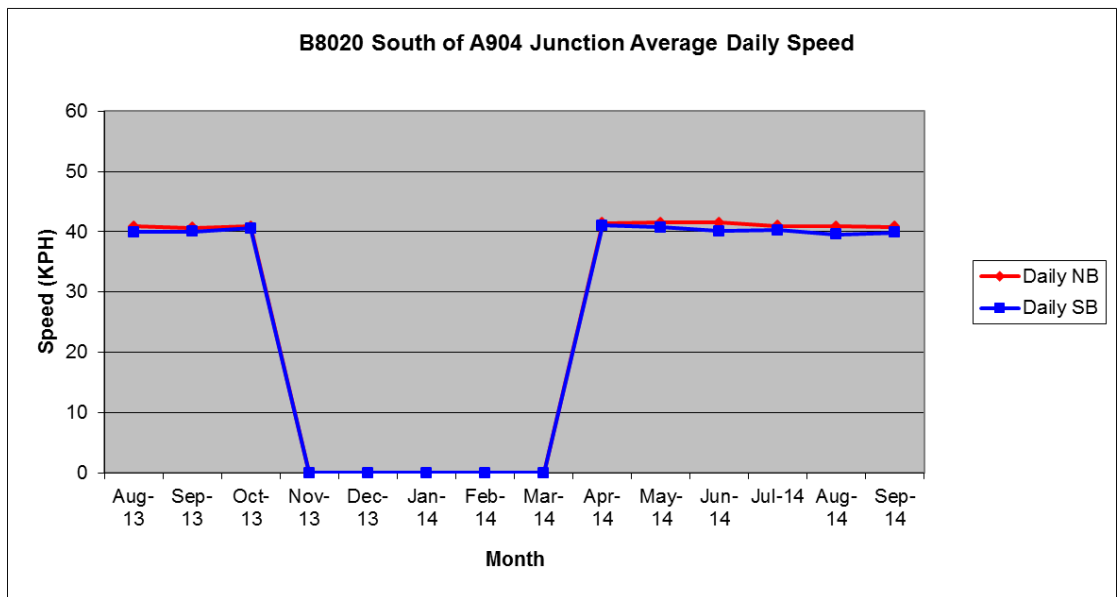


Figure 5-88 Average Monthly Traffic Speeds (KPH) on the B8020 South of A904 Junction



### 5.14 Traffic Counter JTC00601 – New Liston Road

#### 5.14.1 Monthly Average Traffic Flows

Table 3-5-53 Site: JTC00601 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00601	New Liston Road	Aug-11	4,339	4,131	8,470
		Aug-13	4,422	4,085	8,507
		Sep-13	4,183	3,888	8,071
		Oct-13	4,243	3,936	8,180
		Nov-13	4,182	3,916	8,097
		Dec-13	3,988	3,608	7,596
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	No Data	No Data	No Data
		Apr-14	4,252	3,955	8,207
		May-14	4,524	4,118	8,642
		Jun-14	4,487	4,358	8,846
		Jul-14	4,564	4,175	8,739
		Aug-14	4,426	4,028	8,453
		Sep-14	4,477	4,090	8,567
			<b>Annual Average</b>		<b>4,316</b>

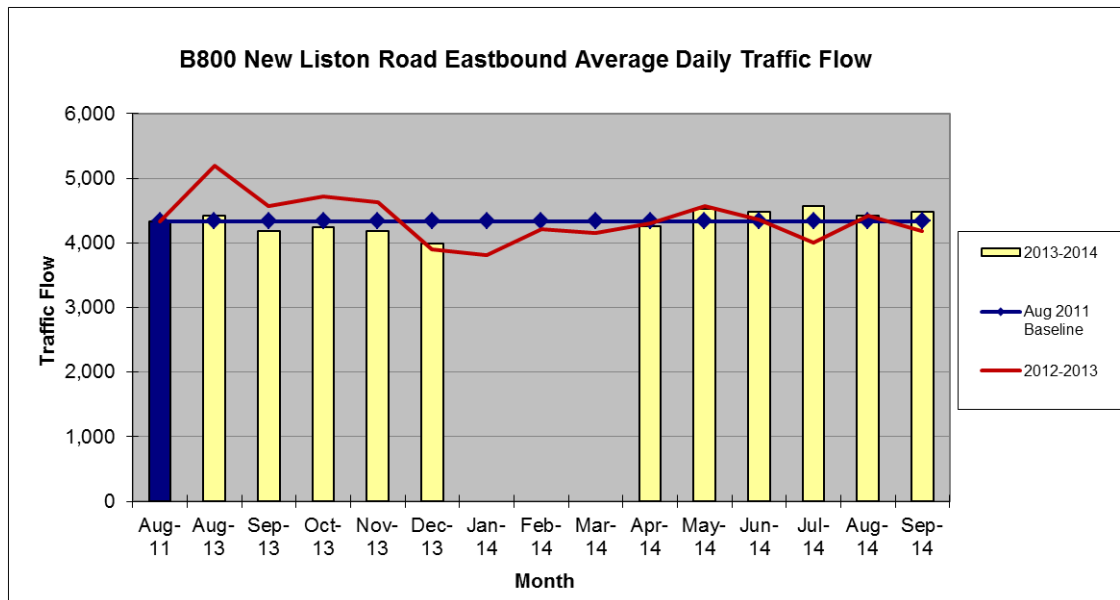


Figure 5-89 Monthly Eastbound AADTs on the New Liston Road

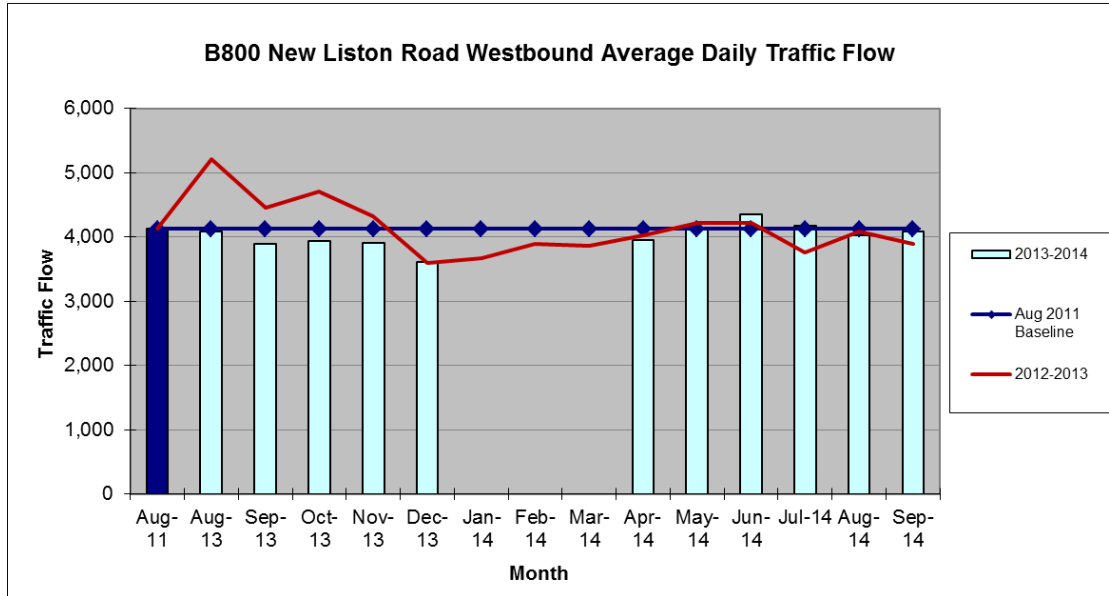


Figure 5-90 Monthly Westbound AADTs on the New Liston Road

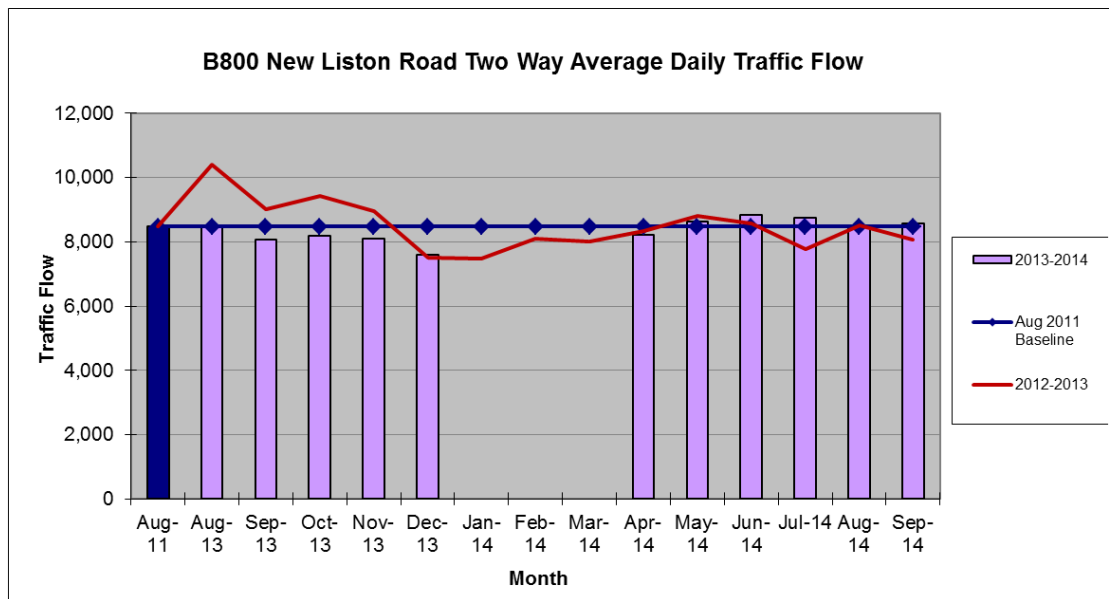
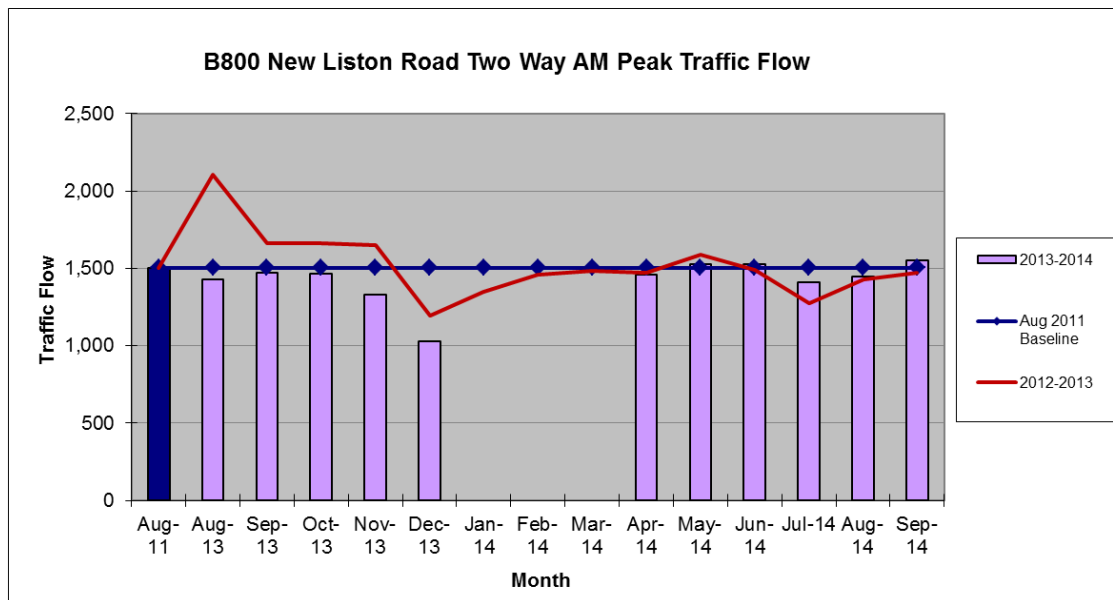


Figure 5-91 Monthly Two Way Daily Traffic Flows on the New Liston Road

### 5.14.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-54 Site: JTC00601 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00601	New Liston Road	Aug-11	1,504	2,246
		Aug-13	1,429	2,225
		Sep-13	1,470	2,080
		Oct-13	1,465	2,150
		Nov-13	1,331	2,056
		Dec-13	1,032	1,921
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	1,462	1,999
		May-14	1,528	2,204
		Jun-14	1,527	2,309
		Jul-14	1,412	2,279
		Aug-14	1,446	2,116
		Sep-14	1,552	2,248
		<b>Annual Average</b>	<b>1,406</b>	<b>2,136</b>



**Figure 5-92 Monthly Two Way AM Peak Flows on the New Liston Road**

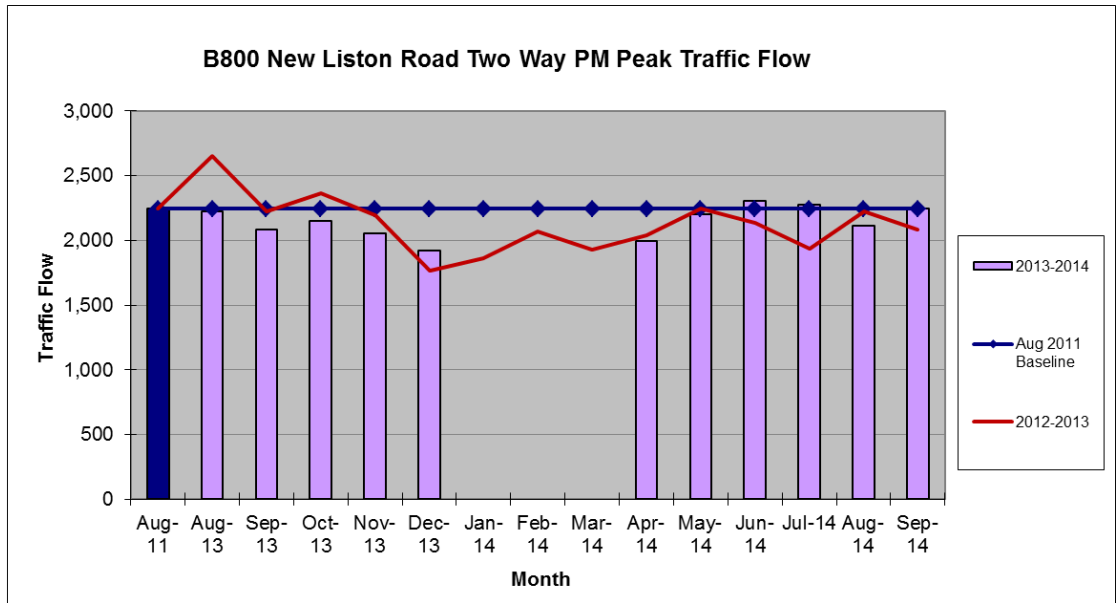


Figure 5-93 Monthly Two Way PM Peak Flows on the New Liston Road

### 5.14.3 Monthly Average HGV Flows

Table 5-55 Site: JTC00601 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00601	New Liston Road	Aug-11	130
		Aug-13	123
		Sep-13	122
		Oct-13	120
		Nov-13	121
		Dec-13	108
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	117
		May-14	119
		Jun-14	121
		Jul-14	123
		Aug-14	128
		Sep-14	136
		<b>Annual Average</b>	<b>119</b>

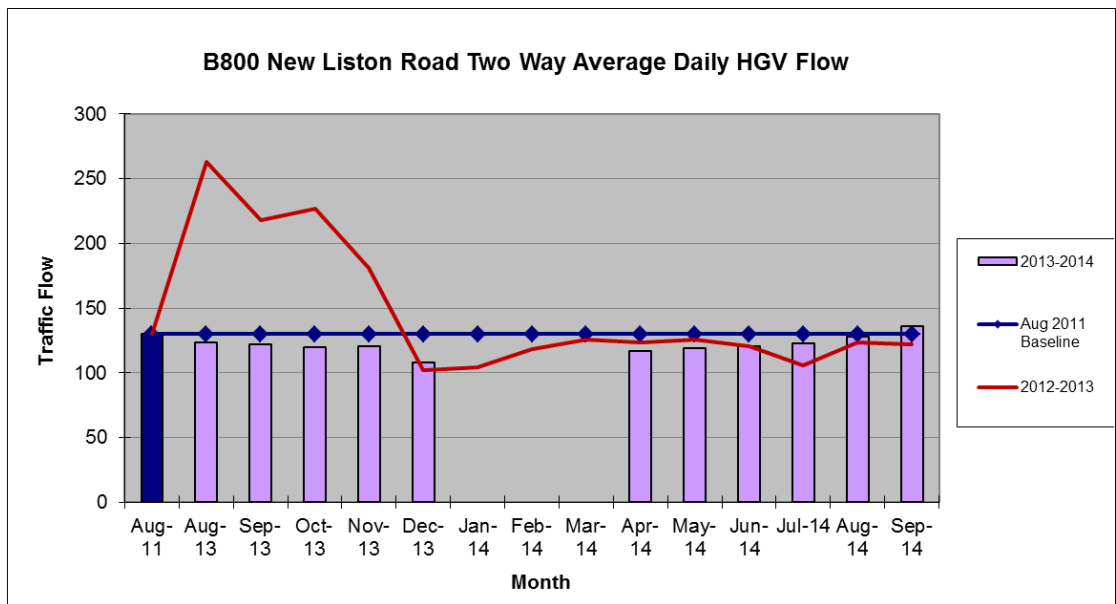


Figure 5-94 Monthly Two Way HGV Flows on the New Liston Road

### 5.14.4 Monthly Average All Vehicles Traffic Speeds

Table 5-56 Site: JTC00601 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00601	New Liston Road	Aug-13	68	65
		Sep-13	68	66
		Oct-13	68	65
		Nov-13	67	64
		Dec-13	67	65
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	69	67
		May-14	69	66
		Jun-14	68	66
		Jul-14	69	66
		Aug-14	68	65
		Sep-14	68	66

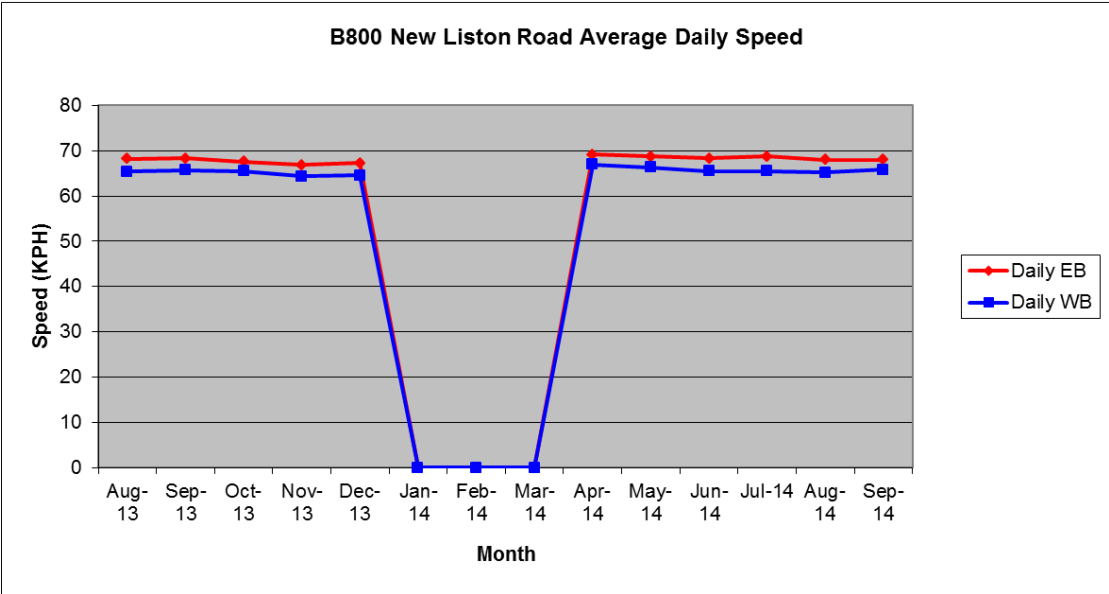


Figure 5-95 Average Monthly Traffic Speeds (KPH) on the New Liston Road

## 5.15 Traffic Counter JTC00603 – B907 Kirkliston Road (South Queensferry)

### 5.15.1 Monthly Average Traffic Flows

Table 3-5-57 Site: JTC00603 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way		
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	4,479	4,575	9,053		
		Aug-13	4,514	4,573	9,087		
		Sep-13	4,259	4,280	8,540		
		Oct-13	4,012	4,091	8,102		
		Nov-13	4,073	4,081	8,154		
		Dec-13	3,890	3,875	7,765		
		Jan-14	No Data	No Data	No Data		
		Feb-14	No Data	No Data	No Data		
		Mar-14	4,014	4,024	8,038		
		Apr-14	4,383	4,376	8,759		
		May-14	4,522	4,555	9,078		
		Jun-14	4,729	4,516	9,245		
		Jul-14	4,512	4,558	9,070		
		Aug-14	4,518	4,673	9,191		
		Sep-14	4,729	4,797	9,526		
		<b>Annual Average</b>			<b>4,291</b>	<b>4,293</b>	<b>8,584</b>

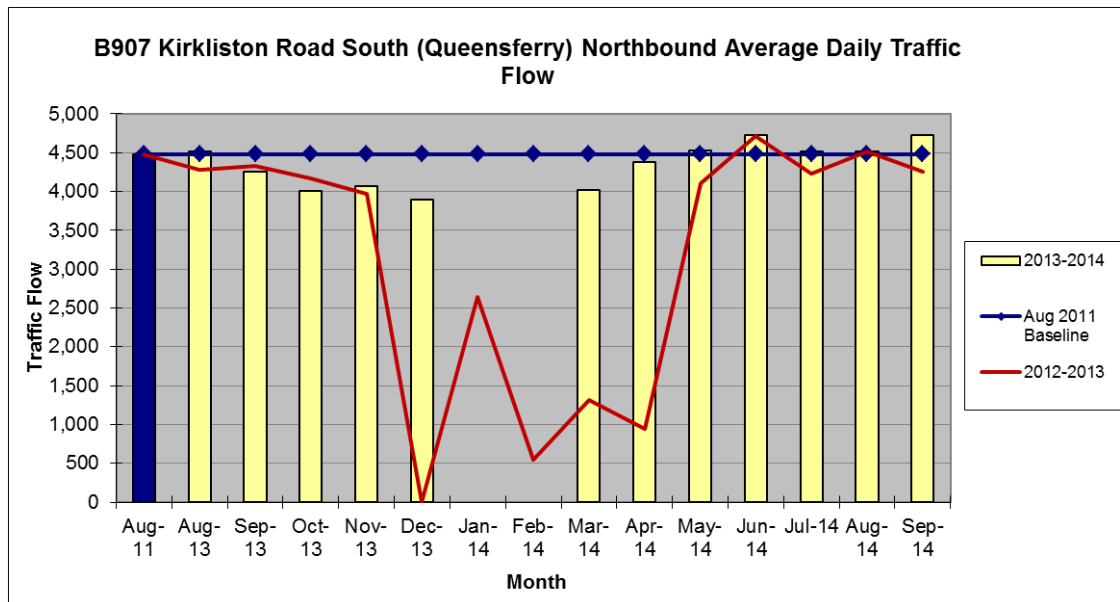


Figure 5-96 Monthly Northbound AADTs on the B907 Kirkliston Road (South Queensferry)

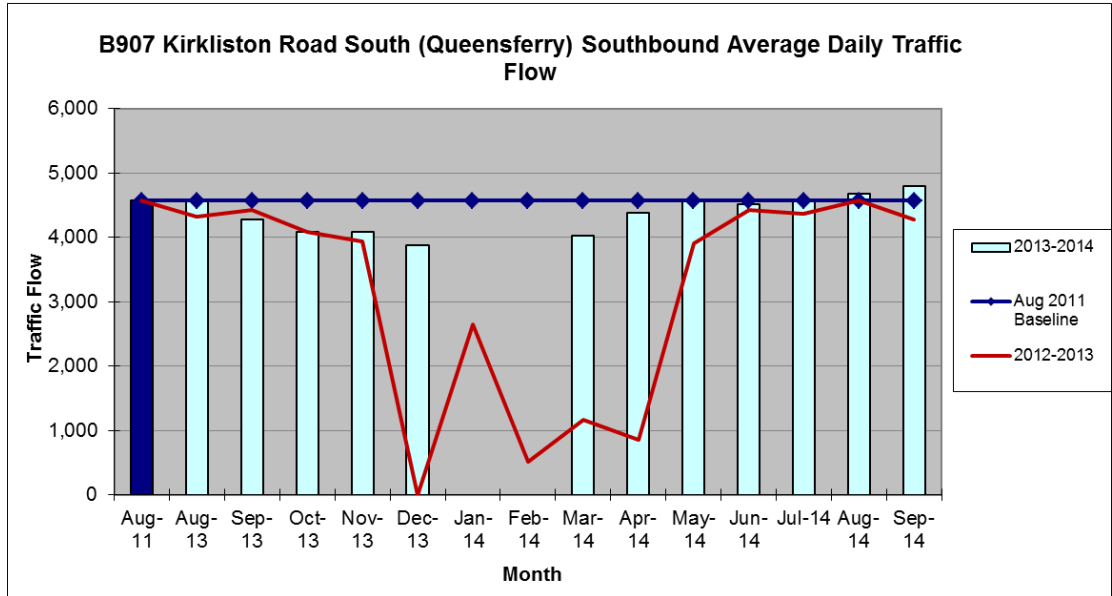


Figure 5-97 Monthly Southbound AADTs on the B907 Kirkliston Road (South Queensferry)

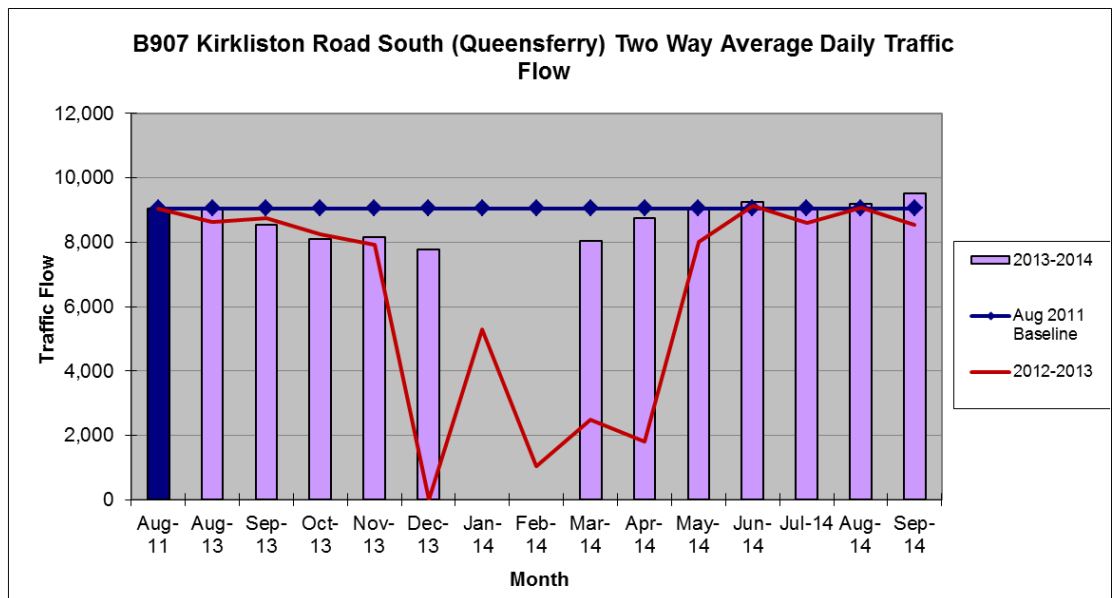


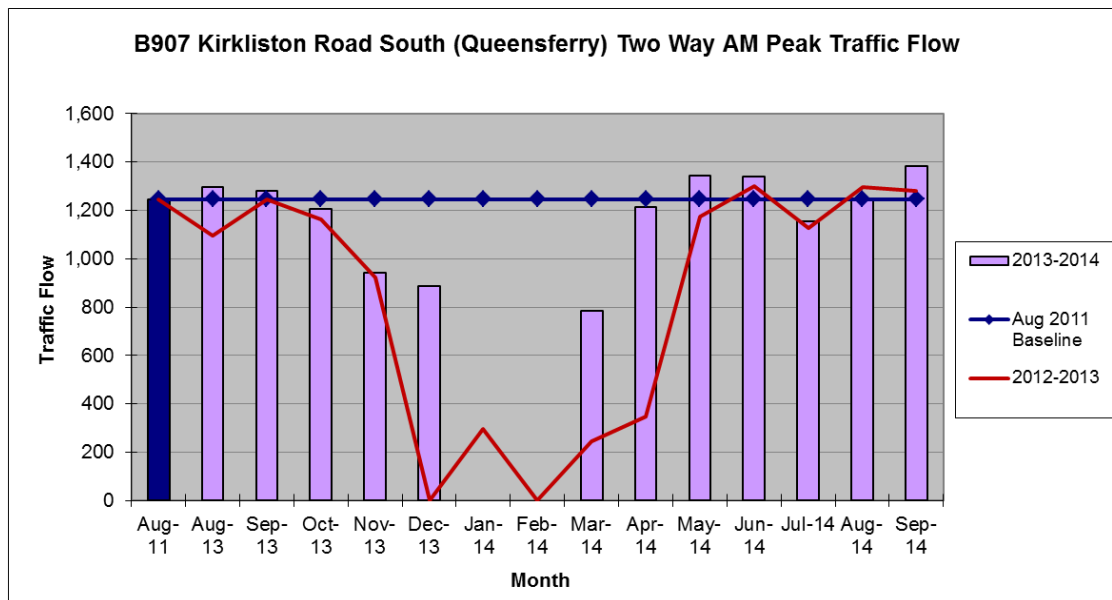
Figure 5-98 Monthly Two Way Daily Traffic Flows on the B907 Kirkliston Road (South Queensferry)



### 5.15.2 Monthly Average AM and PM Peak Traffic Flows

**Table 5-58 Site: JTC00603 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	1,247	2,232
		Aug-13	1,295	2,199
		Sep-13	1,280	2,092
		Oct-13	1,207	1,970
		Nov-13	942	2,001
		Dec-13	889	1,874
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	786	2,086
		Apr-14	1,213	2,082
		May-14	1,343	2,169
		Jun-14	1,340	2,228
		Jul-14	1,155	2,222
		Aug-14	1,248	2,280
		Sep-14	1,384	2,384
		<b>Annual Average</b>	<b>1,145</b>	<b>2,092</b>



**Figure 5-99 Monthly Two Way AM Peak Flows on the B907 Kirkliston Road (South Queensferry)**

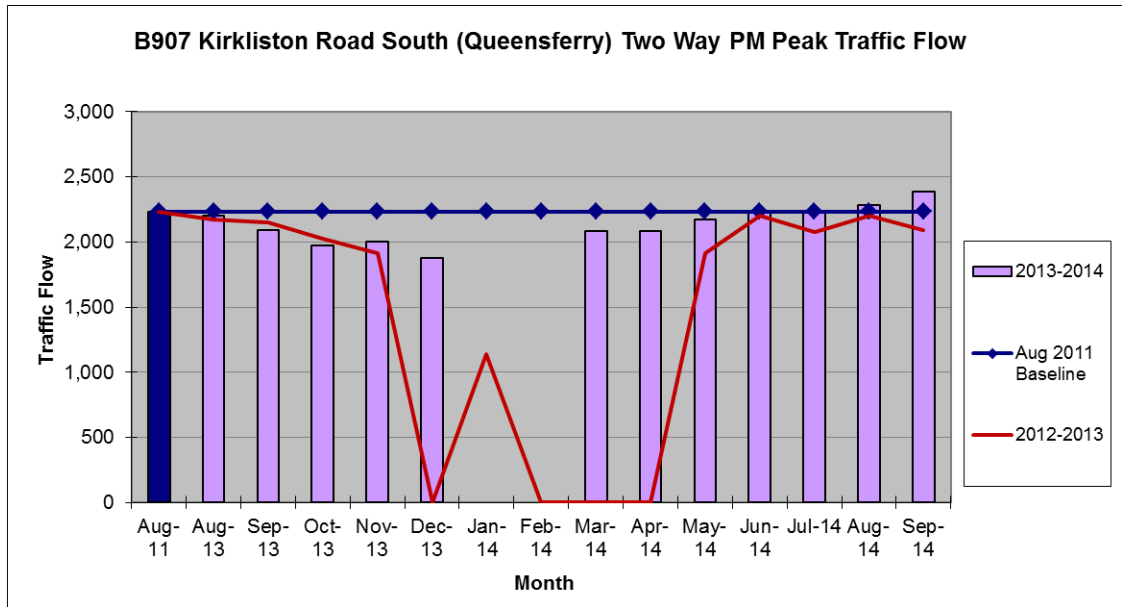


Figure 5-100 Monthly Two Way PM Peak Flows on the B907 Kirkliston Road (South Queensferry)

### 5.15.3 Monthly Average HGV Flows

Table 5-59 Site: JTC00603 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	59
		Aug-13	54
		Sep-13	50
		Oct-13	45
		Nov-13	45
		Dec-13	41
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	118
		Apr-14	141
		May-14	143
		Jun-14	140
		Jul-14	146
		Aug-14	154
		Sep-14	156
	<b>Annual Average</b>	<b>92</b>	

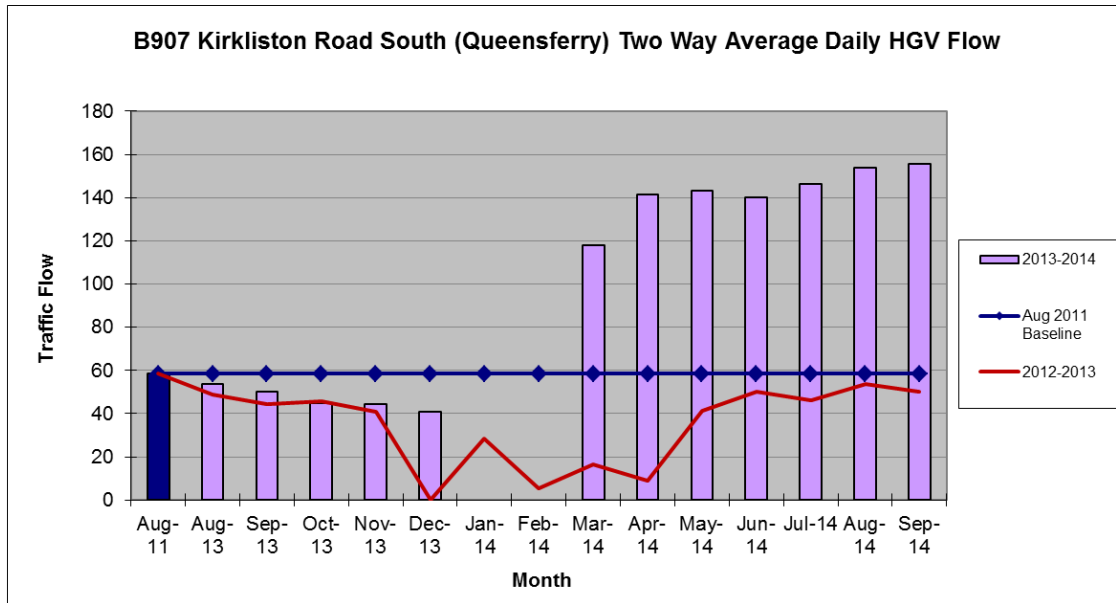


Figure 5-101 Monthly Two Way HGV Flows on the B907 Kirkliston Road (South Queensferry)

### 5.15.4 Monthly Average All Vehicles Traffic Speeds

Table 5-60 Site: JTC00603 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-13	45	44
		Sep-13	45	44
		Oct-13	45	45
		Nov-13	44	44
		Dec-13	44	44
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	43	44
		Apr-14	44	44
		May-14	43	44
		Jun-14	44	44
		Jul-14	45	45
		Aug-14	44	44
		Sep-14	43	43

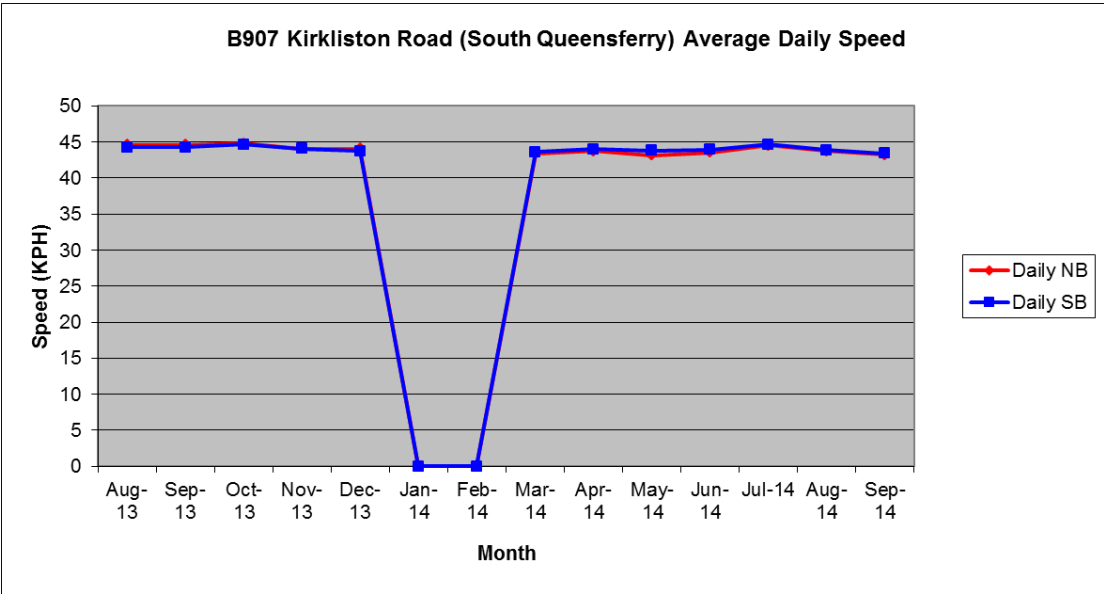


Figure 5-102 Average Monthly Traffic Speeds (KPH) on the B907 Kirkliston Road (South Queensferry)

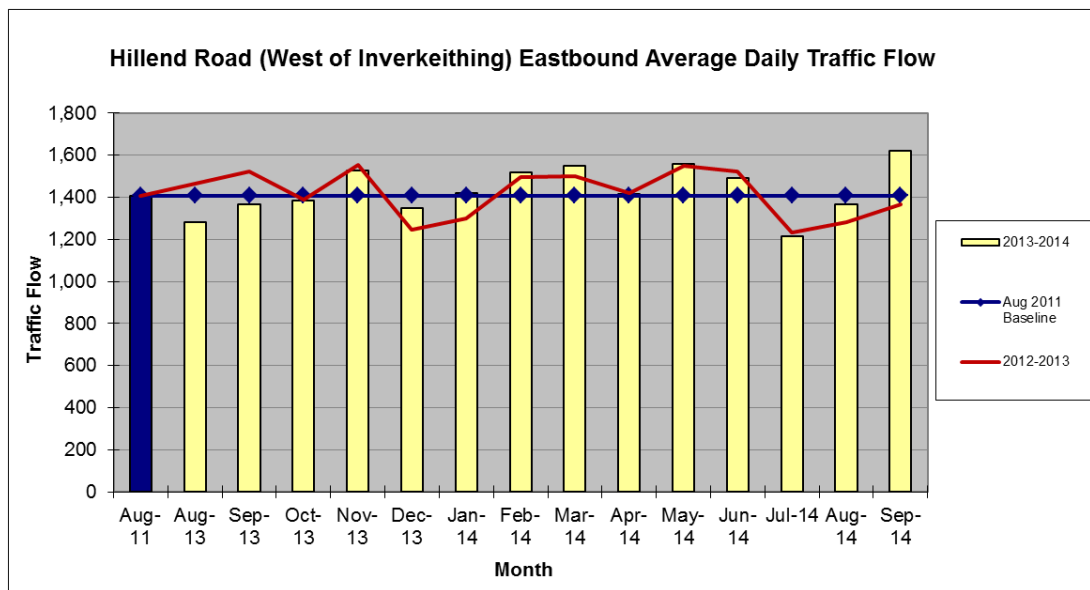
**6 Other Roads – Automatic Traffic Counter Data**

**6.1 Traffic Counter JTC00392 – Hillend Road (West of Inverkeithing)**

**6.1.1 Monthly Average Traffic Flows**

*Table 3-6-1 Site: JTC00392 Annual Traffic Flows – August 2013 to September 2014*

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	1,407	1,074	2,481
		Aug-13	1,280	1,019	2,299
		Sep-13	1,367	1,100	2,466
		Oct-13	1,385	1,100	2,485
		Nov-13	1,530	1,204	2,734
		Dec-13	1,351	1,091	2,442
		Jan-14	1,419	1,153	2,571
		Feb-14	1,517	1,212	2,729
		Mar-14	1,550	1,255	2,805
		Apr-14	1,415	1,122	2,537
		May-14	1,559	1,249	2,808
		Jun-14	1,494	1,209	2,703
		Jul-14	1,215	1,006	2,221
		Aug-14	1,366	1,096	2,462
		Sep-14	1,620	1,270	2,891
				<b>Annual Average</b>	<b>1,423</b>



**Figure 6-1 Monthly Eastbound AADTs on the Hillend Road (West of Inverkeithing)**

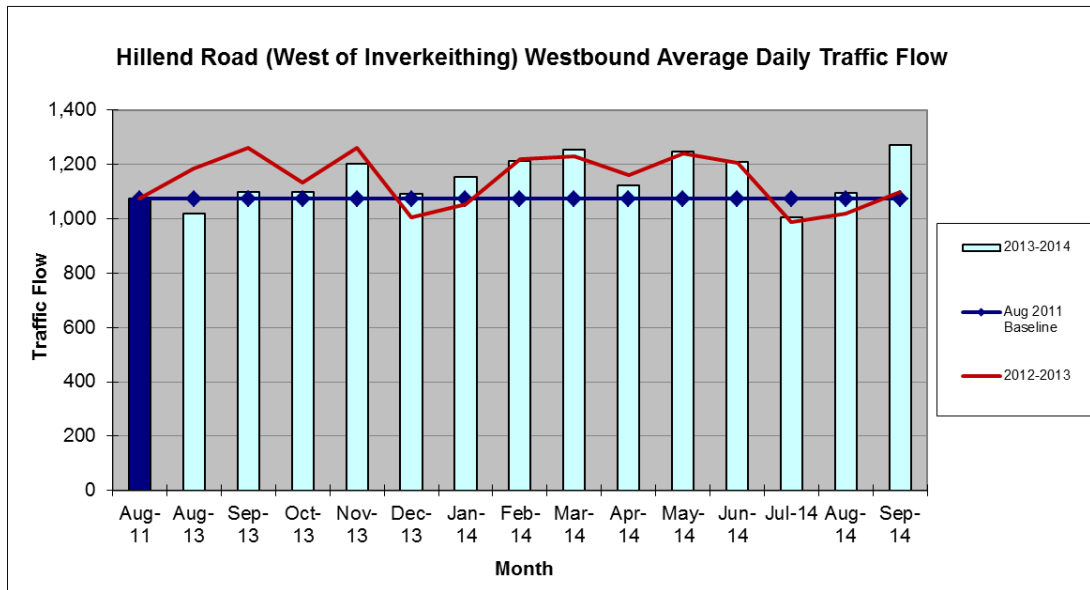


Figure 6-2 Monthly Westbound AADTs on the Hillend Road (West of Inverkeithing)

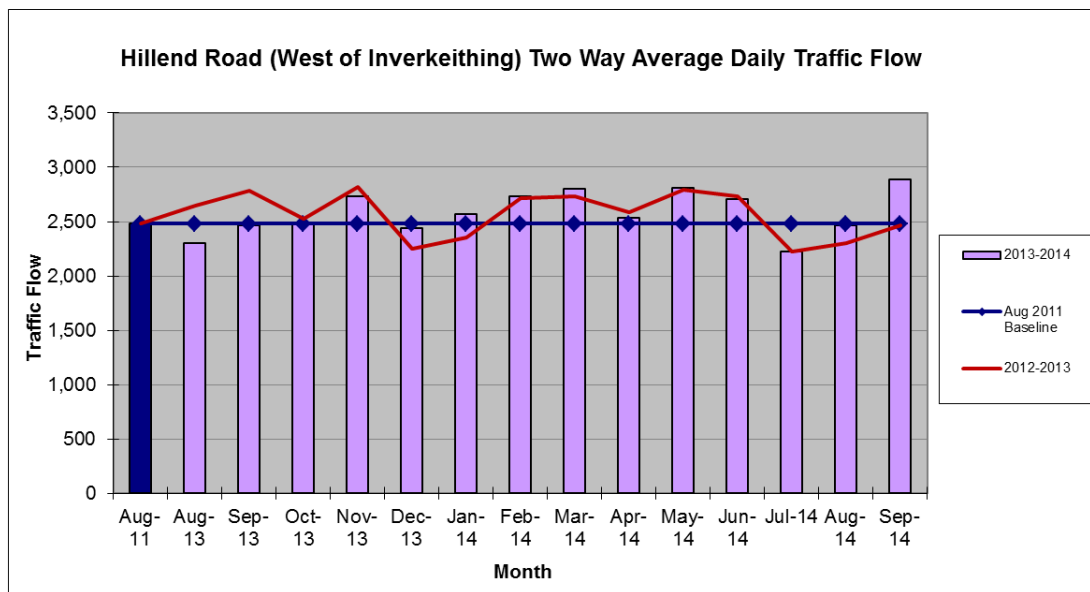
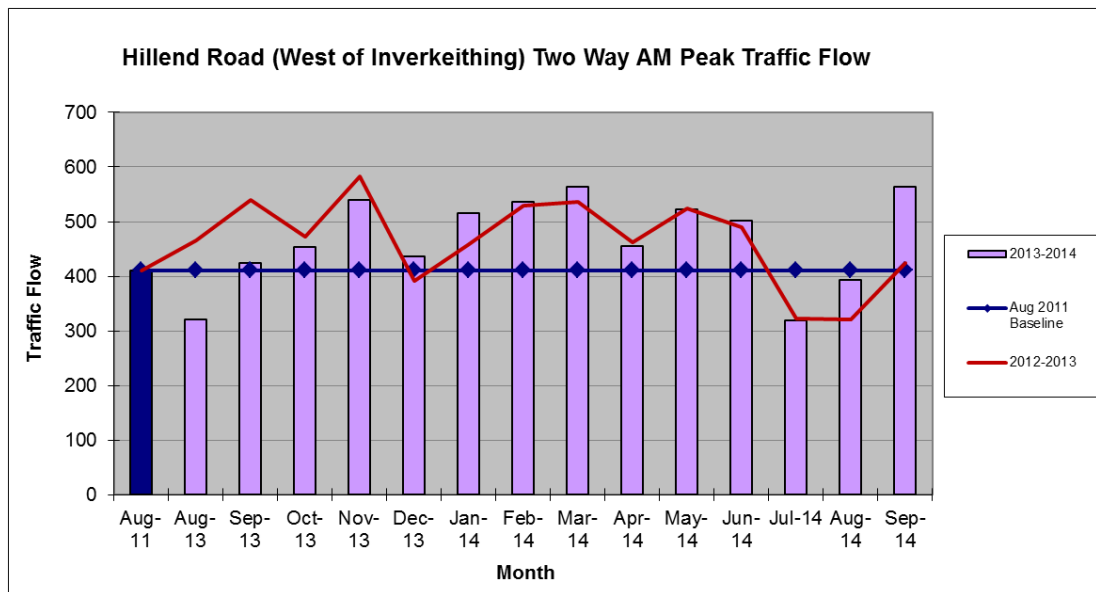


Figure 6-3 Monthly Two Way Daily Traffic Flows on the Hillend Road (West of Inverkeithing)

### 6.1.2 Monthly Average AM and PM Peak Traffic Flows

**Table 6-2 Site: JTC00392 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	411	639
		Aug-13	321	433
		Sep-13	424	650
		Oct-13	453	528
		Nov-13	540	594
		Dec-13	436	490
		Jan-14	515	551
		Feb-14	535	591
		Mar-14	563	610
		Apr-14	455	542
		May-14	522	602
		Jun-14	502	581
		Jul-14	319	432
		Aug-14	393	501
		Sep-14	563	634
<b>Annual Average</b>			<b>465</b>	<b>550</b>



**Figure 6-4 Monthly Two Way AM Peak Flows on the Hillend Road (West of Inverkeithing)**

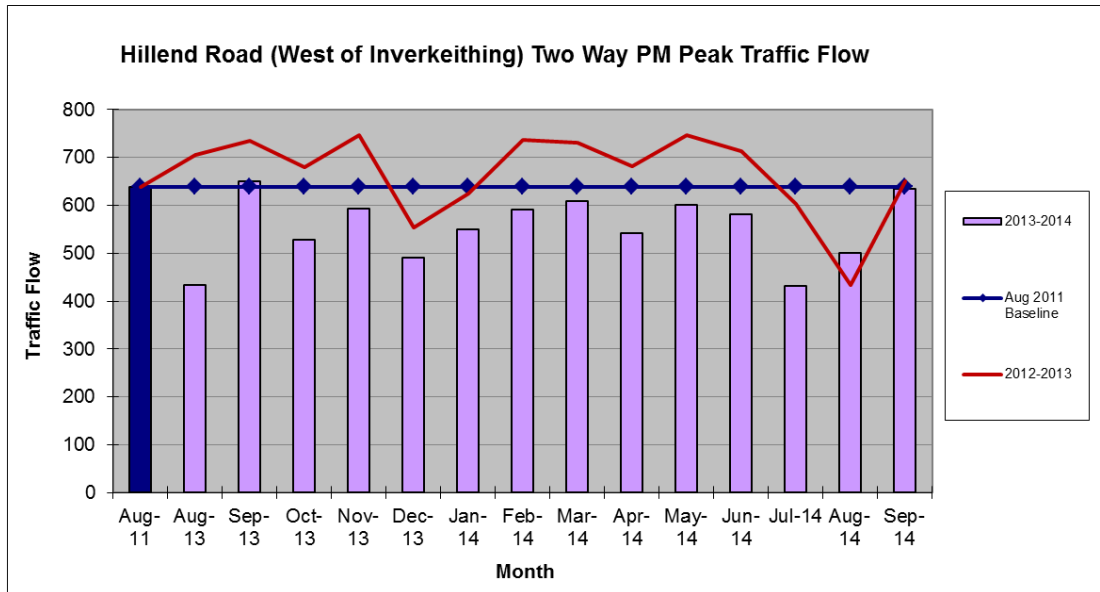


Figure 6-5 Monthly Two Way PM Peak Flows on the Hillend Road (West of Inverkeithing)



### 6.1.3 Monthly Average HGV Flows

Table 6-3 Site: JTC00392 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	82
		Aug-13	59
		Sep-13	65
		Oct-13	79
		Nov-13	78
		Dec-13	71
		Jan-14	81
		Feb-14	78
		Mar-14	79
		Apr-14	72
		May-14	70
		Jun-14	55
		Jul-14	53
		Aug-14	58
		Sep-14	102
		<b>Annual Average</b>	<b>62</b>

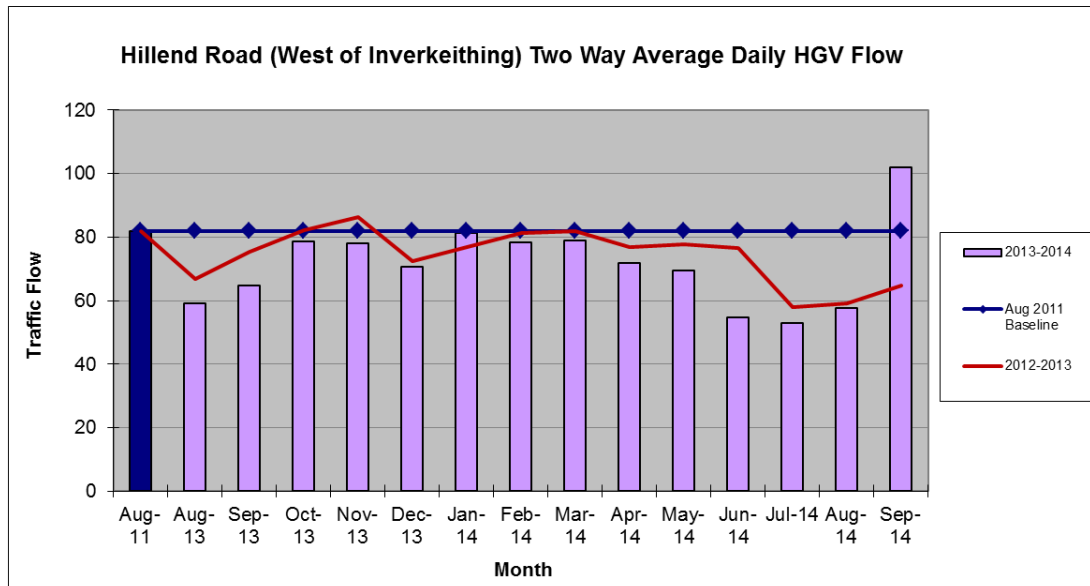
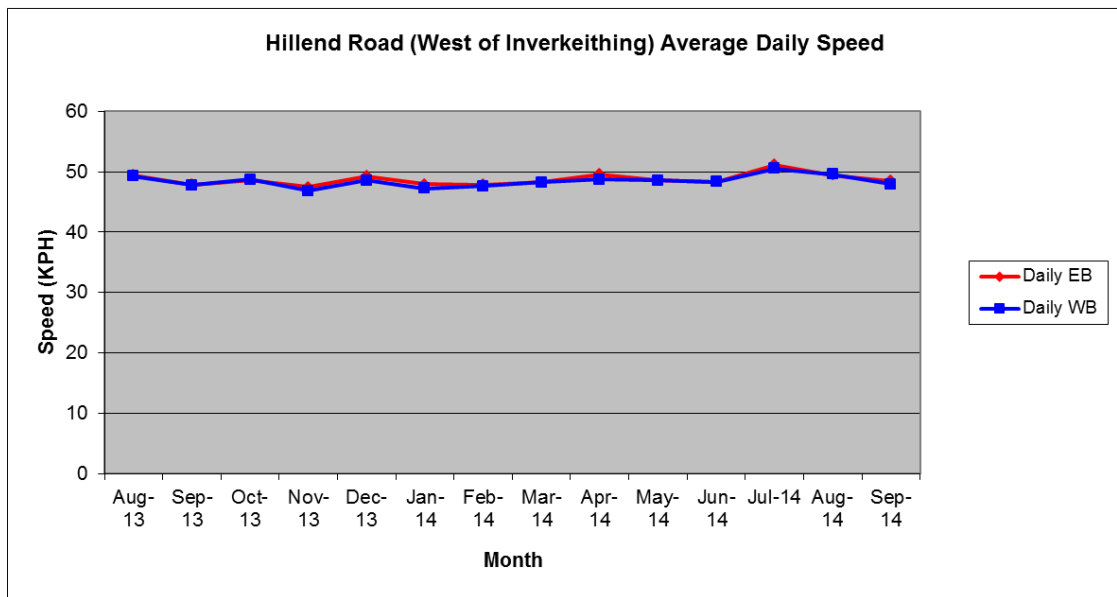


Figure 6-6 Monthly Two Way HGV Flows on the Hillend Road (West of Inverkeithing)

### 6.1.4 Monthly Average All Vehicles Traffic Speeds

**Table 6-4 Site: JTC00392 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB	WB
JTC00392	Hillend Road (West of Inverkeithing)	Aug-13	49	49
		Sep-13	48	48
		Oct-13	49	49
		Nov-13	47	47
		Dec-13	49	49
		Jan-14	48	47
		Feb-14	48	48
		Mar-14	48	48
		Apr-14	50	49
		May-14	49	49
		Jun-14	48	48
		Jul-14	51	51
		Aug-14	49	50
Sep-14	49	48		



**Figure 6-7 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 3-6-5 Site: JTC00576 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	1,424	1,867	3,291
		Aug-13	1,573	1,906	3,479
		Sep-13	1,533	1,836	3,369
		Oct-13	1,505	1,784	3,290
		Nov-13	1,534	1,831	3,364
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	1,423	1,671	3,094
		Mar-14	1,565	1,793	3,358
		Apr-14	1,573	1,877	3,449
		May-14	1,732	1,922	3,654
		Jun-14	1,813	1,954	3,767
		Jul-14	1,682	1,880	3,562
		Aug-14	1,469	1,715	3,184
		Sep-14	1,484	1,815	3,299
			<b>Annual Average</b>		<b>1,593</b>

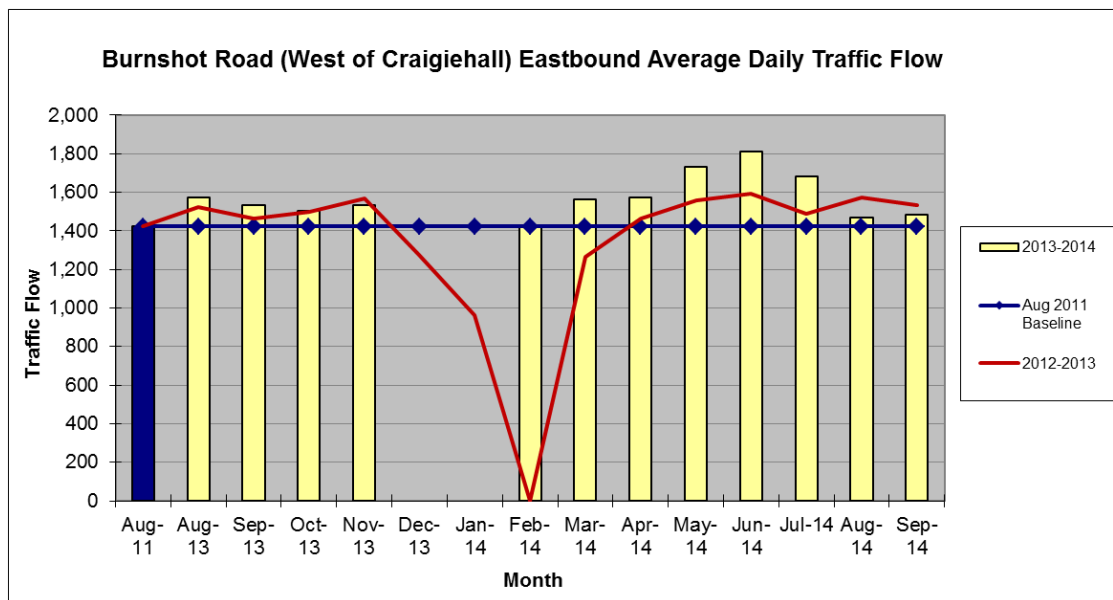


Figure 6-8 Monthly Eastbound AADTs on the Burnshot Road (West of Craigiehall)

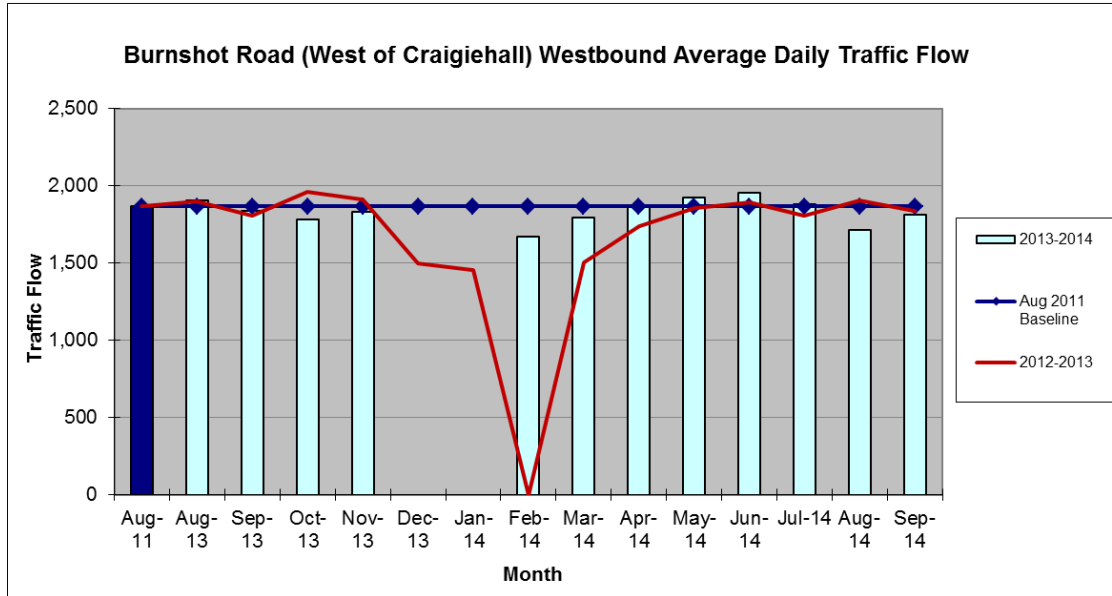


Figure 6-9 Monthly Westbound AADTs on the Burnshot Road (West of Craigiehall)

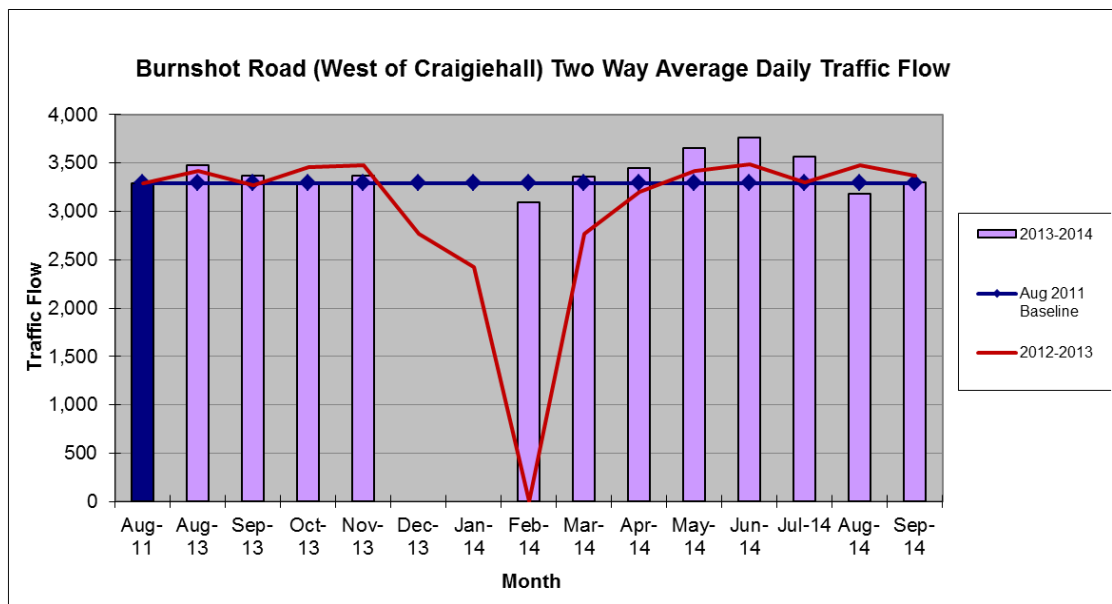
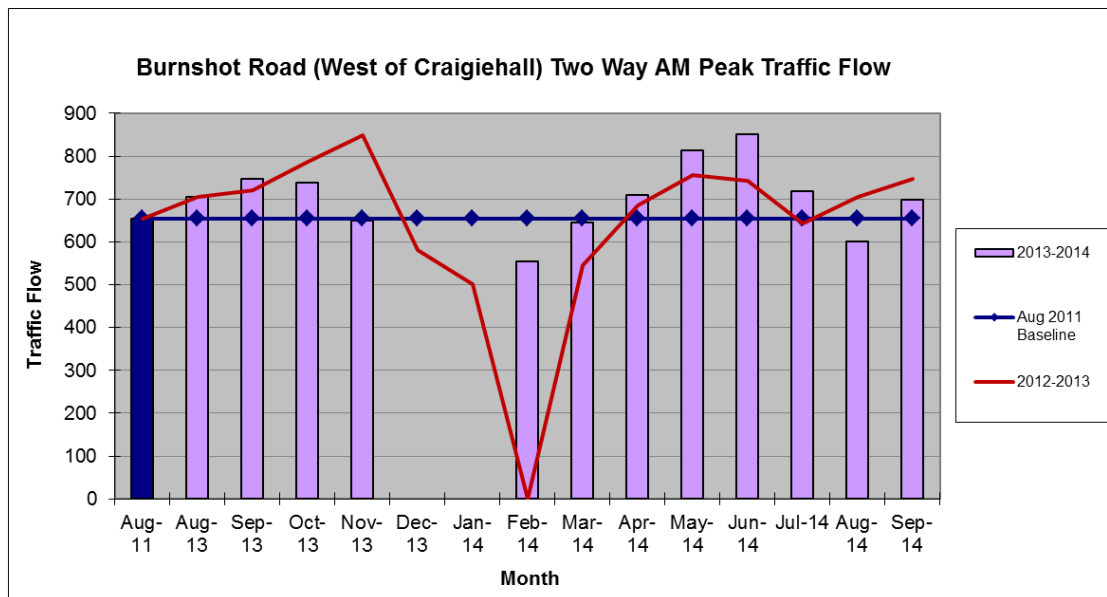


Figure 6-10 Monthly Two Way Daily Traffic Flows on the Burnshot Road (West of Craigiehall)

### 6.2.2 Monthly Average AM and PM Peak Traffic Flows

**Table 6-6 Site: JTC00576 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00576	Burnshot Road (West of Craighiehall)	Aug-11	655	989
		Aug-13	705	1,009
		Sep-13	748	977
		Oct-13	739	955
		Nov-13	651	973
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	555	909
		Mar-14	644	972
		Apr-14	710	1,017
		May-14	814	1,024
		Jun-14	851	1,043
		Jul-14	718	999
		Aug-14	601	910
		Sep-14	698	941
				<b>Annual Average</b>



**Figure 6-11 Monthly Two Way AM Peak Flows on the Burnshot Road (West of Craighiehall)**

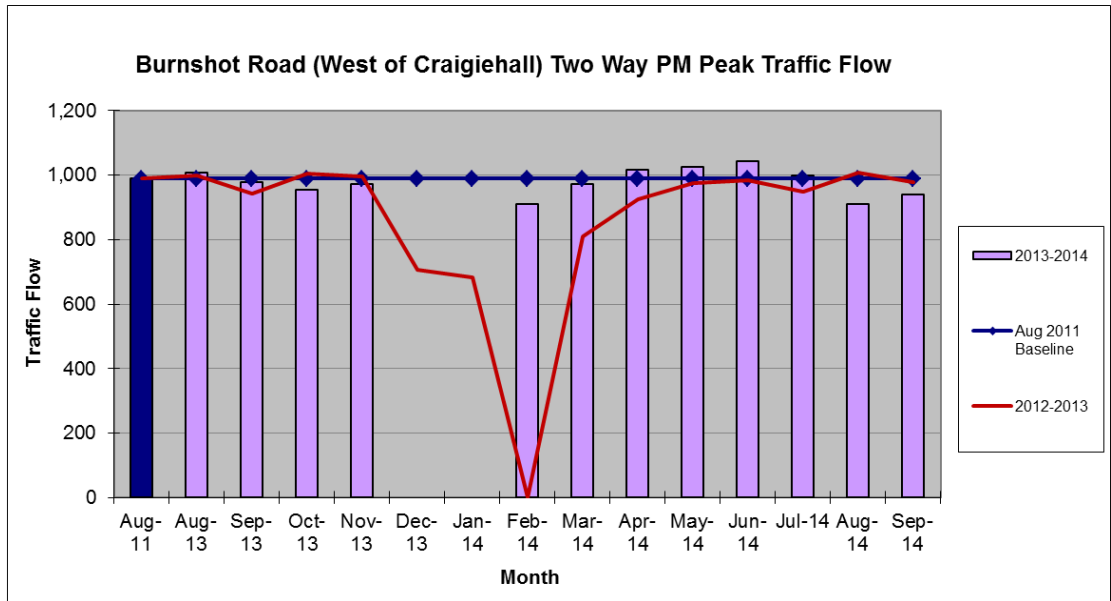


Figure 6-12 Monthly Two Way PM Peak Flows on the Burnshot Road (West of Craigiehall)

### 6.2.3 Monthly Average HGV Flows

Table 6-7 Site: JTC00576 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	13
		Aug-13	11
		Sep-13	9
		Oct-13	6
		Nov-13	8
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	3
		Mar-14	6
		Apr-14	5
		May-14	7
		Jun-14	7
		Jul-14	9
		Aug-14	6
		Sep-14	9
	<b>Annual Average</b>	<b>7</b>	

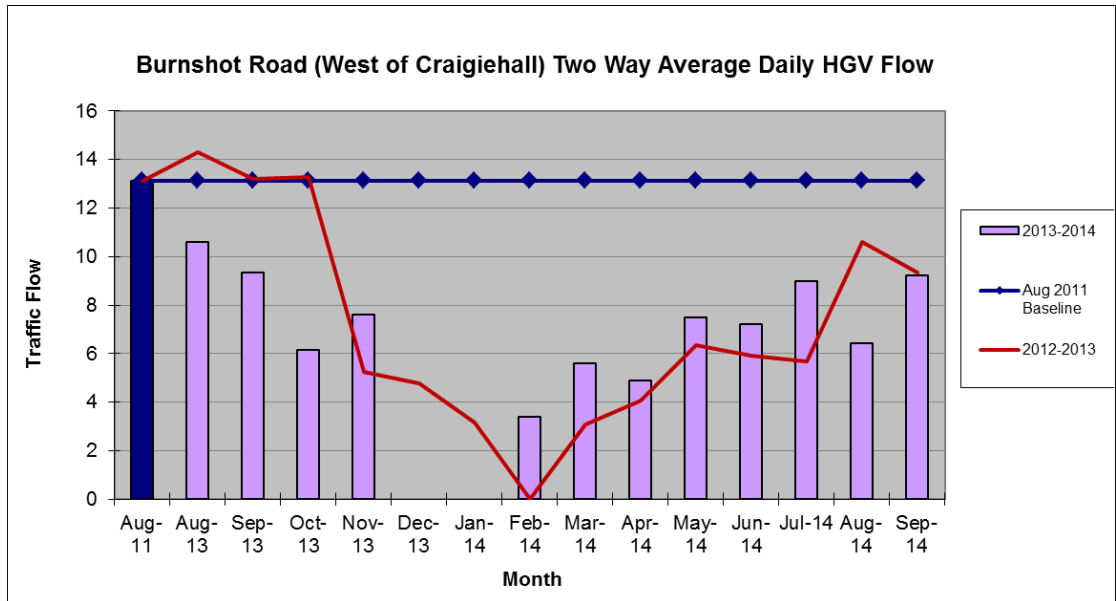


Figure 6-13 Monthly Two Way HGV Flows on the Burnshot Road (West of Craigiehall)

### 6.2.4 Monthly Average All Vehicles Traffic Speeds

Table 6-8 Site: JTC00576 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00576	Burnshot Road (West of Craigiehall)	Aug-13	82	85
		Sep-13	81	85
		Oct-13	80	84
		Nov-13	80	83
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	80	84
		Mar-14	81	86
		Apr-14	81	86
		May-14	81	86
		Jun-14	81	85
		Jul-14	81	85
		Aug-14	81	84
Sep-14	82	86		

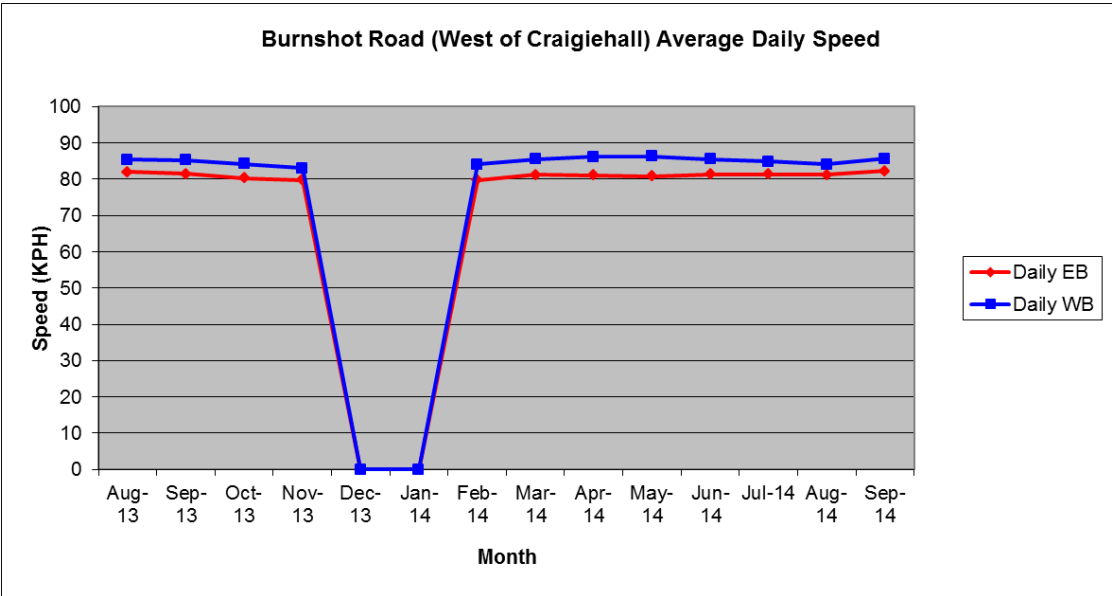


Figure 6-14 Average Monthly Traffic Speeds (KPH) on the Burnshot Road (West of Craigiehall)



### 6.3 Traffic Counter JTC00579 – Queensferry Road (Rosyth)

#### 6.3.1 Monthly Average Traffic Flows

Table 3-6-9 Site: JTC00579 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	3,024	3,832	6,856
		Aug-13	3,292	3,697	6,988
		Sep-13	3,201	3,521	6,722
		Oct-13	3,020	3,345	6,365
		Nov-13	3,167	3,626	6,792
		Dec-13	2,964	3,346	6,310
		Jan-14	2,649	2,954	5,603
		Feb-14	3,135	3,537	6,672
		Mar-14	3,048	3,387	6,435
		Apr-14	2,970	3,334	6,304
		May-14	3,228	3,658	6,886
		Jun-14	3,170	3,571	6,741
		Jul-14	3,017	3,426	6,443
		Aug-14	3,241	3,702	6,944
		Sep-14	2,941	3,401	6,342
Annual Average			3,072	3,450	6,522

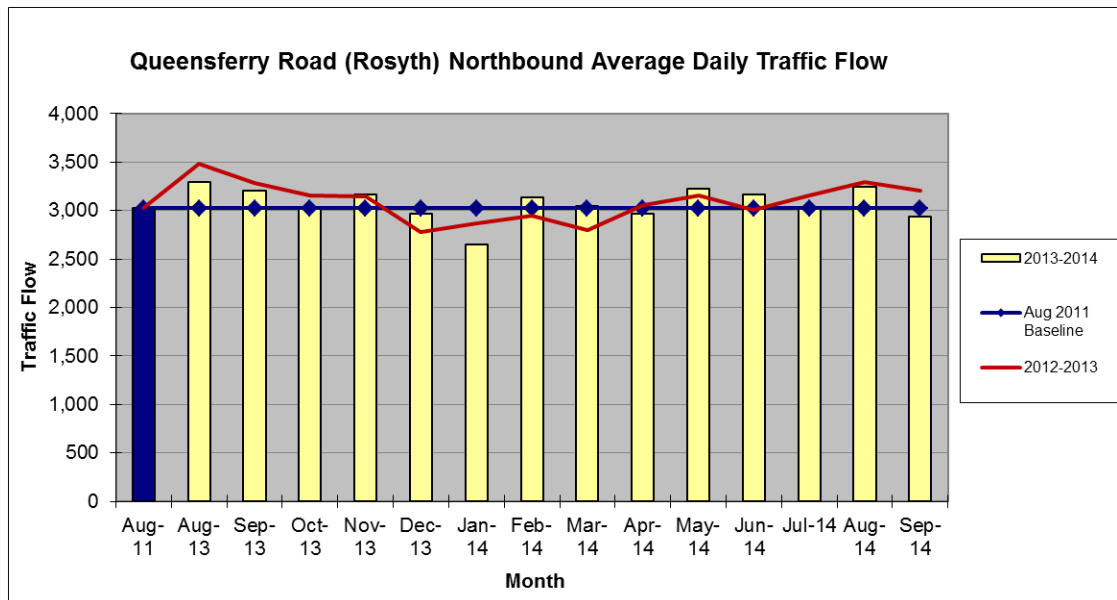


Figure 6-15 Monthly Northbound AADTs on the Queensferry Road (Rosyth)

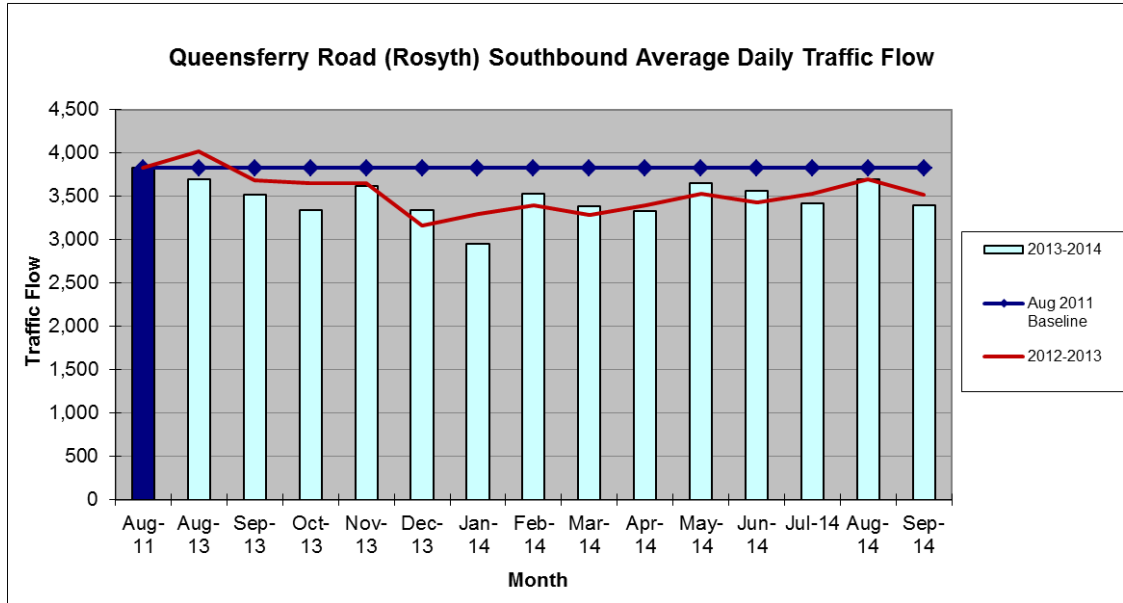


Figure 6-16 Monthly Southbound AADTs on the Queensferry Road (Rosyth)

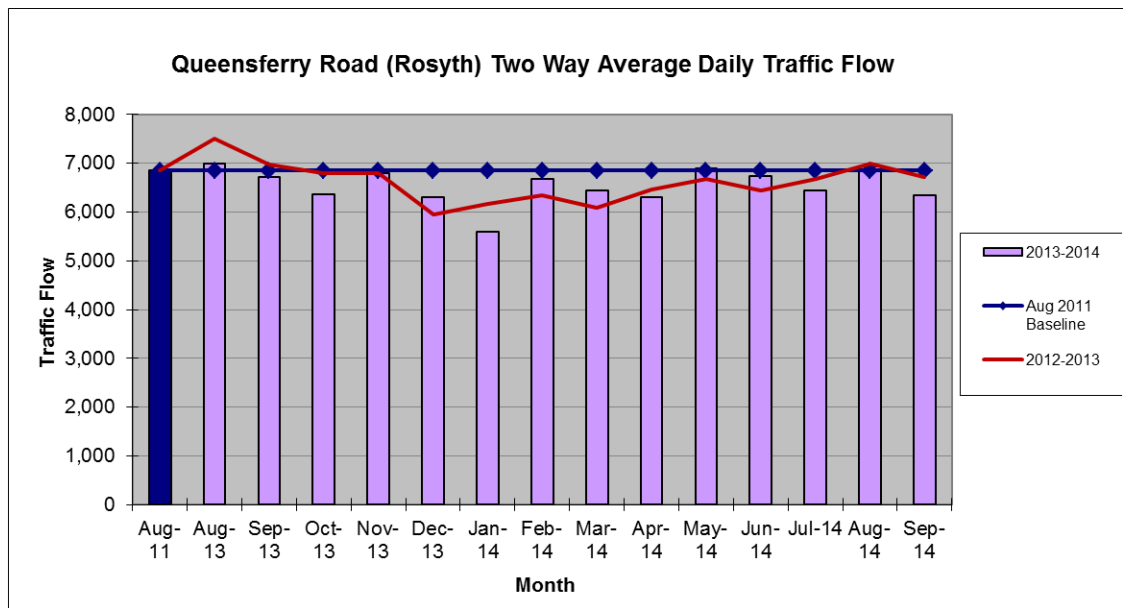


Figure 6-17 Monthly Two Way Daily Traffic Flows on the Queensferry Road (Rosyth)

### 6.3.2 Monthly Average AM and PM Peak Traffic Flows

Table 6-10 Site: JTC00579 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014

Counter	Location	Date	AM	PM
JTC00579	Queensferry Road (Rosyth)	Aug-11	1,062	1,481
		Aug-13	1,068	1,531
		Sep-13	1,065	1,511
		Oct-13	1,022	1,406
		Nov-13	955	1,507
		Dec-13	753	1,393
		Jan-14	633	1,288
		Feb-14	1,001	1,535
		Mar-14	847	1,489
		Apr-14	977	1,379
		May-14	1,117	1,513
		Jun-14	1,096	1,447
		Jul-14	962	1,412
		Aug-14	1,038	1,549
		Sep-14	1,054	1,424
	<b>Annual Average</b>	<b>958</b>	<b>1,451</b>	

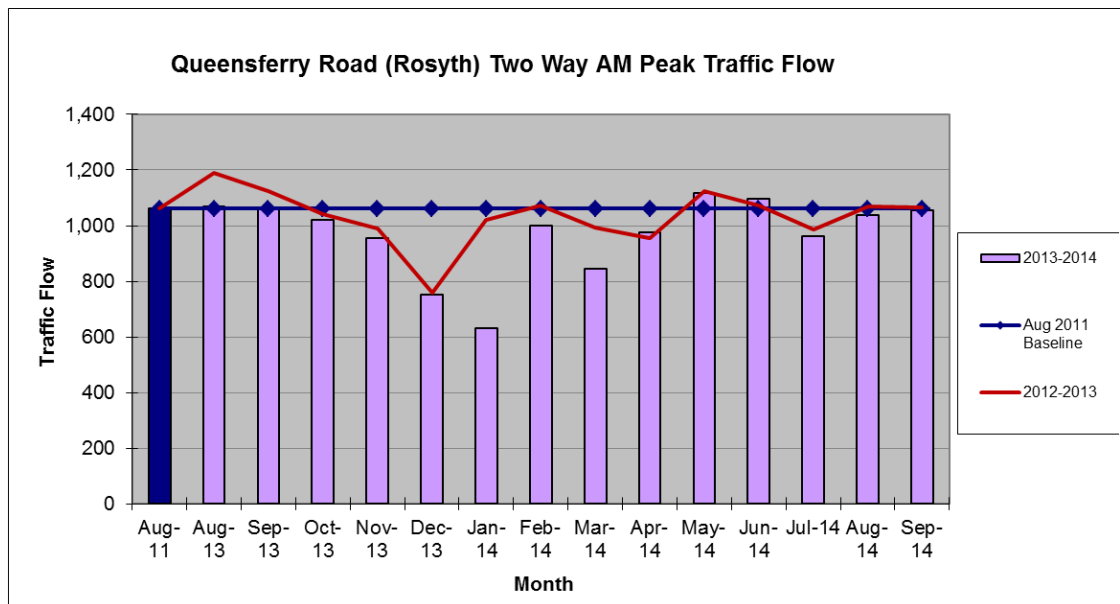


Figure 6-18 Monthly Two Way AM Peak Flows on the Queensferry Road (Rosyth)

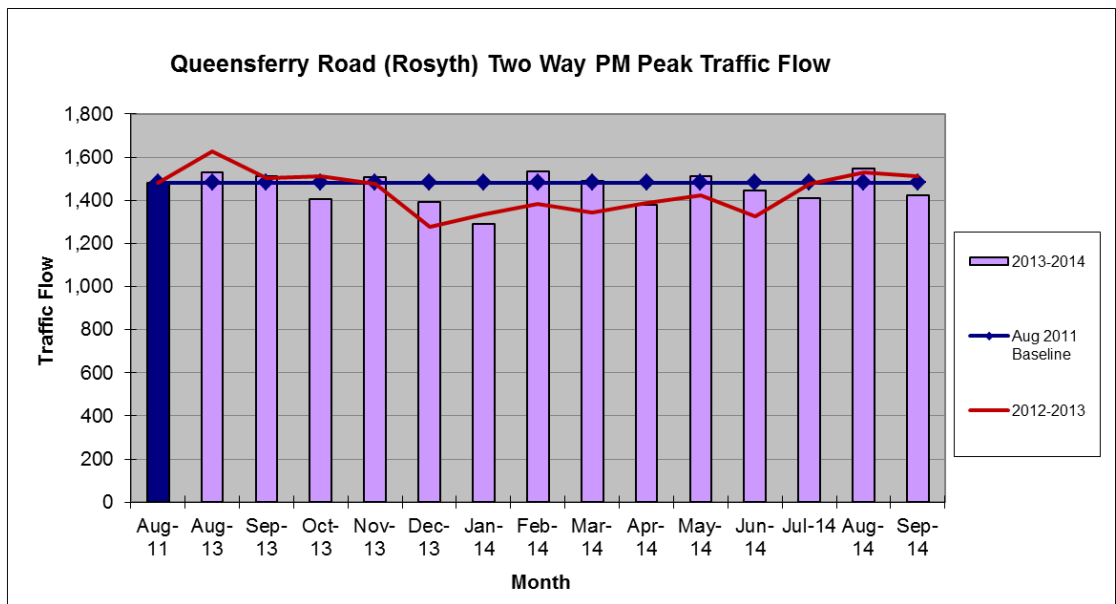


Figure 6-19 Monthly Two Way PM Peak Flows on the Queensferry Road (Rosyth)

### 6.3.3 Monthly Average HGV Flows

Table 6-11 Site: JTC00579 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	356
		Aug-13	369
		Sep-13	362
		Oct-13	351
		Nov-13	350
		Dec-13	275
		Jan-14	255
		Feb-14	326
		Mar-14	311
		Apr-14	306
		May-14	329
		Jun-14	323
		Jul-14	304
		Aug-14	318
		Sep-14	322
		<b>Annual Average</b>	<b>322</b>

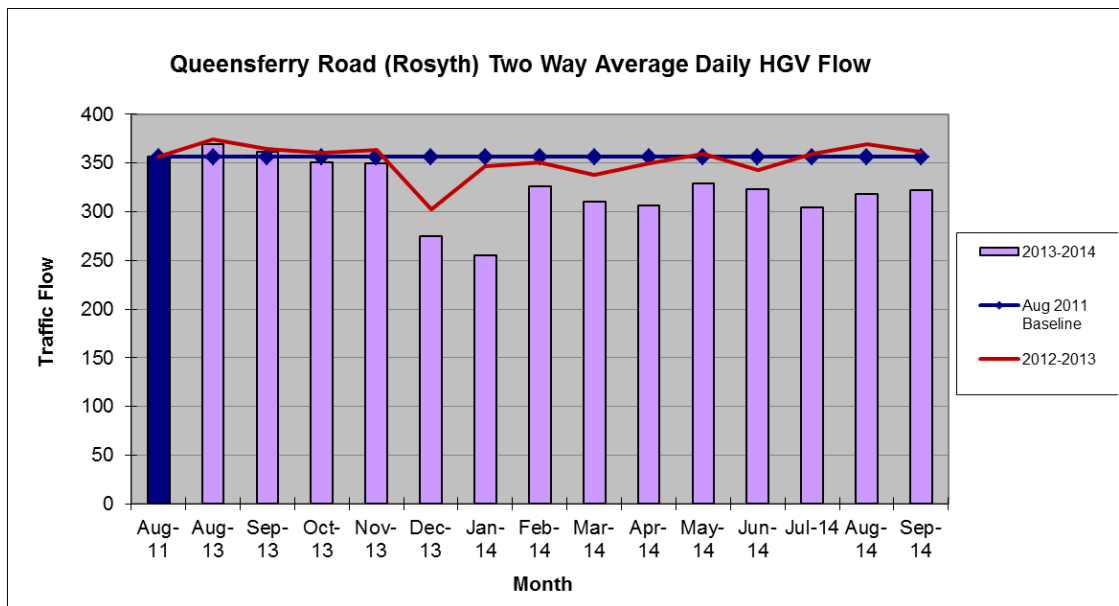


Figure 6-20 Monthly Two Way HGV Flows on the Queensferry Road (Rosyth)

### 6.3.4 Monthly Average All Vehicles Traffic Speeds

Table 6-12 Site: JTC00579 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00579	Queensferry Road (Rosyth)	Aug-13	38	41
		Sep-13	37	41
		Oct-13	38	41
		Nov-13	37	41
		Dec-13	37	41
		Jan-14	38	41
		Feb-14	38	41
		Mar-14	38	41
		Apr-14	38	41
		May-14	38	41
		Jun-14	38	41
		Jul-14	38	41
		Aug-14	38	41
Sep-14	36	41		

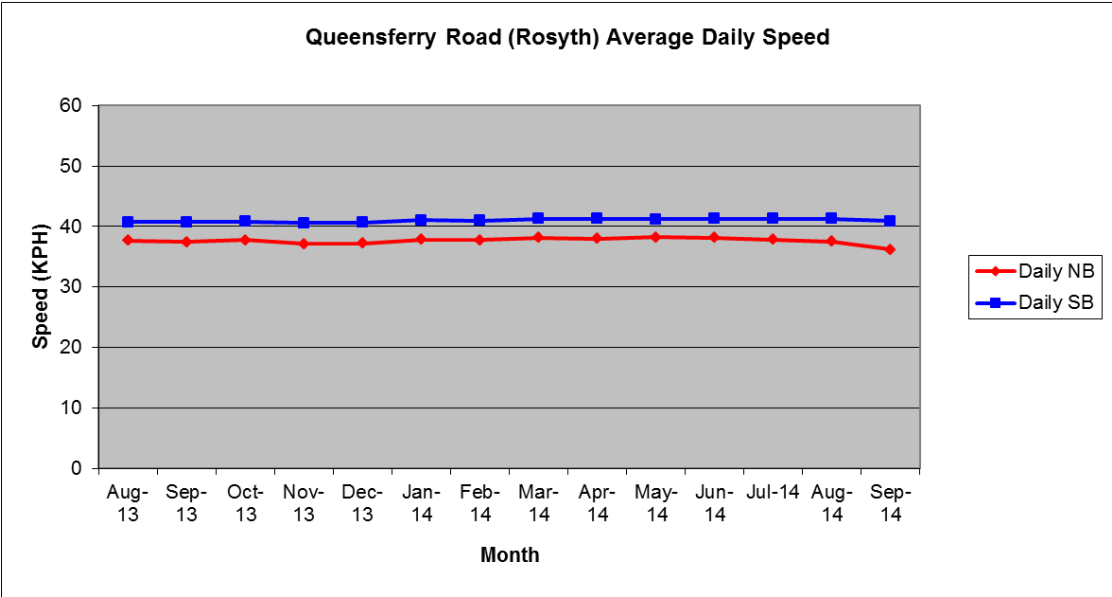


Figure 6-21 Average Monthly Traffic Speeds (KPH) on the Queensferry Road (Rosyth)

## 6.4 Traffic Counter JTC00580 – Castle Road (Rosyth)

### 6.4.1 Monthly Average Traffic Flows

Table 3-6-13 Site: JTC00580 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	7,114	3,103	10,217
		Aug-13	7,531	2,870	10,401
		Sep-13	7,762	2,899	10,661
		Oct-13	7,573	2,857	10,430
		Nov-13	8,010	2,981	10,991
		Dec-13	7,050	2,791	9,840
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	No Data	No Data	No Data
		Apr-14	7,197	2,837	10,034
		May-14	7,948	3,073	11,020
		Jun-14	7,811	3,009	10,820
		Jul-14	7,915	2,835	10,750
		Aug-14	7,821	2,816	10,637
		Sep-14	7,962	3,078	11,040
		<b>Annual Average</b>	<b>7,644</b>	<b>2,906</b>	<b>10,550</b>

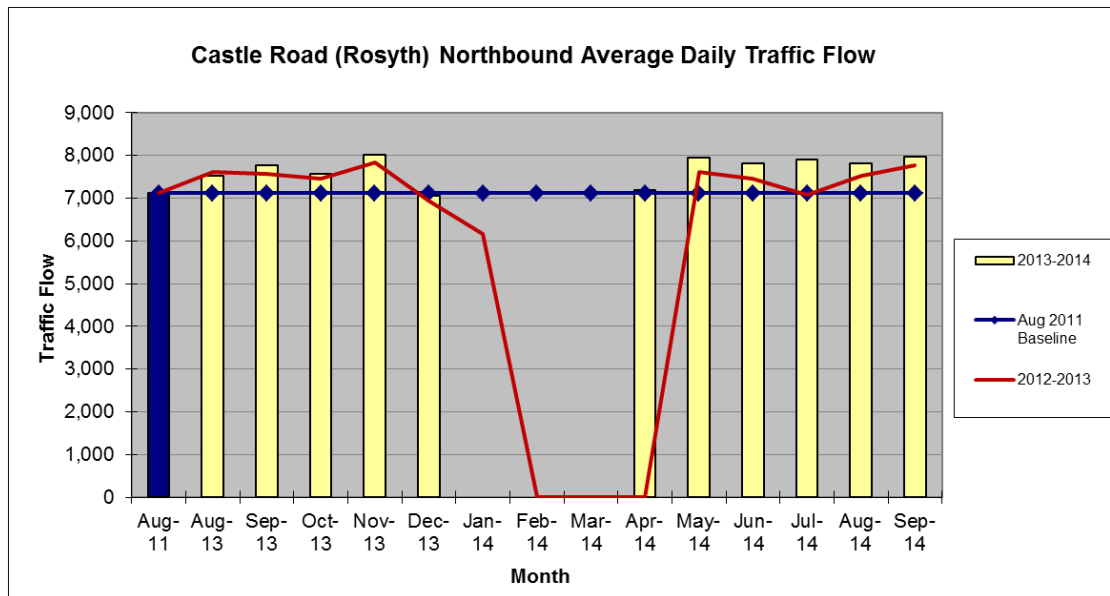


Figure 6-22 Monthly Eastbound AADTs on the Castle Road (Rosyth)

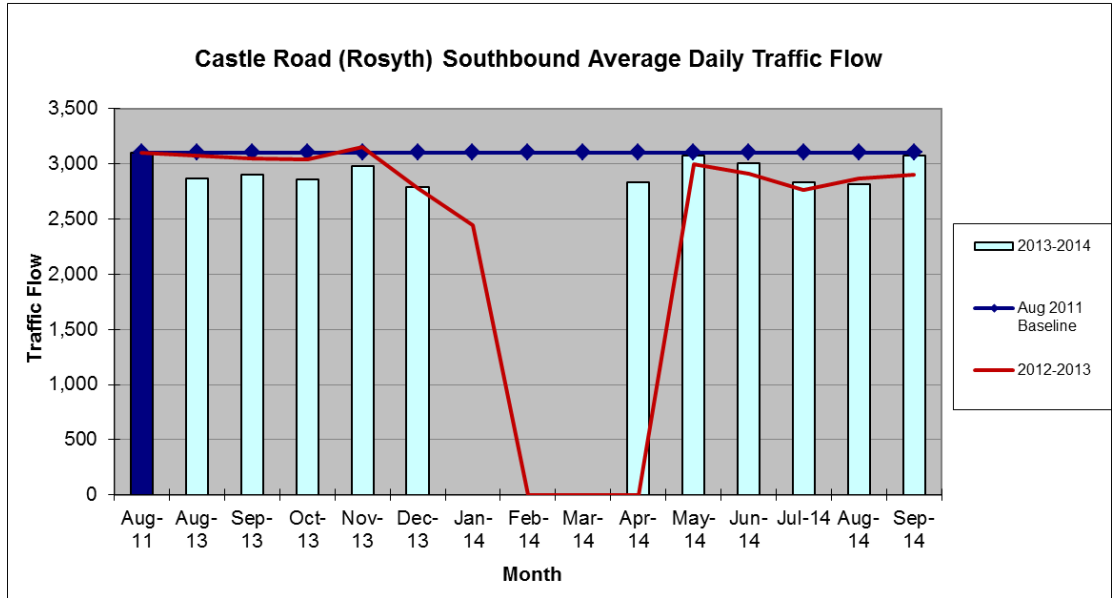


Figure 6-23 Monthly Westbound AADTs on the Castle Road (Rosyth)

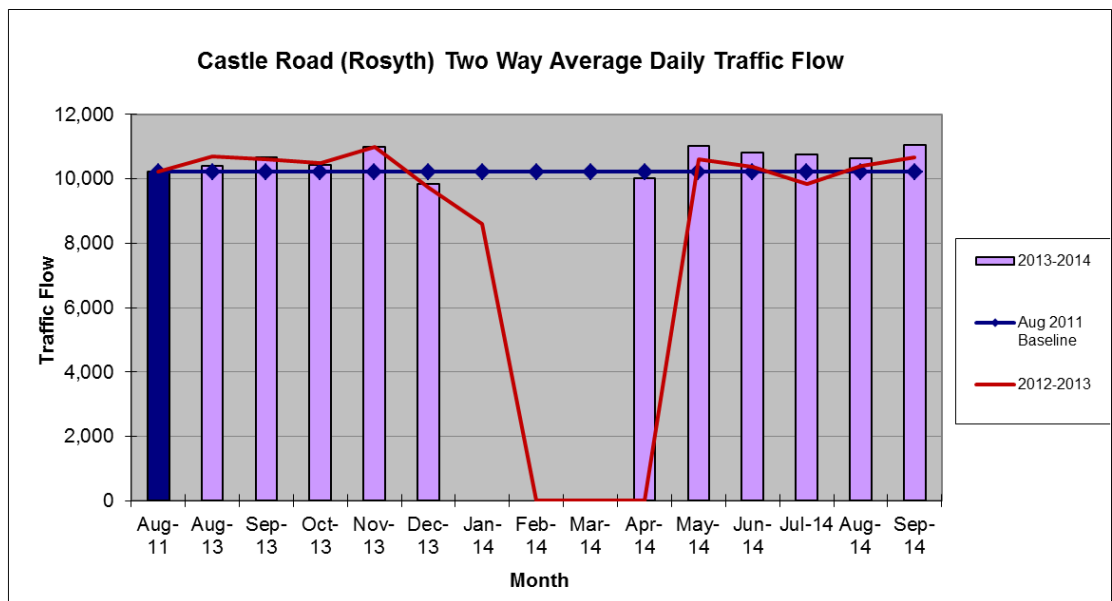


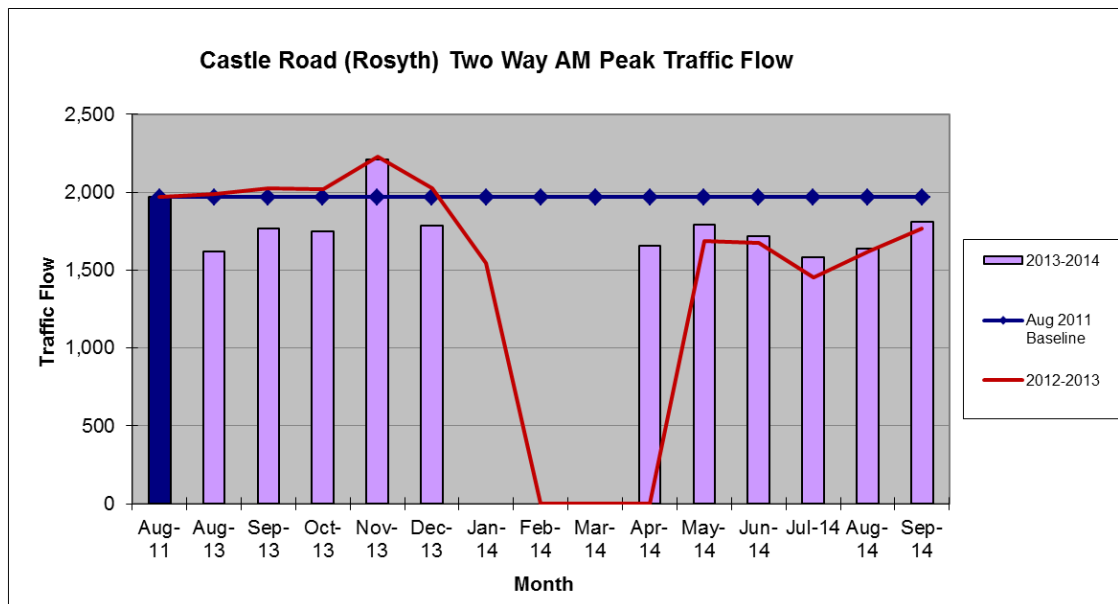
Figure 6-24 Monthly Two Way Daily Traffic Flows on the Castle Road (Rosyth)



### 6.4.2 Monthly Average AM and PM Peak Traffic Flows

**Table 6-14 Site: JTC00580 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00580	Castle Road (Rosyth)	Aug-11	1,970	2,408
		Aug-13	1,618	2,229
		Sep-13	1,769	2,255
		Oct-13	1,746	2,310
		Nov-13	2,213	2,619
		Dec-13	1,785	2,260
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	1,655	2,098
		May-14	1,794	2,275
		Jun-14	1,718	2,218
		Jul-14	1,584	2,252
		Aug-14	1,641	2,184
		Sep-14	1,813	2,322
		<b>Annual Average</b>		



**Figure 6-25 Monthly Two Way AM Peak Flows on the Castle Road (Rosyth)**

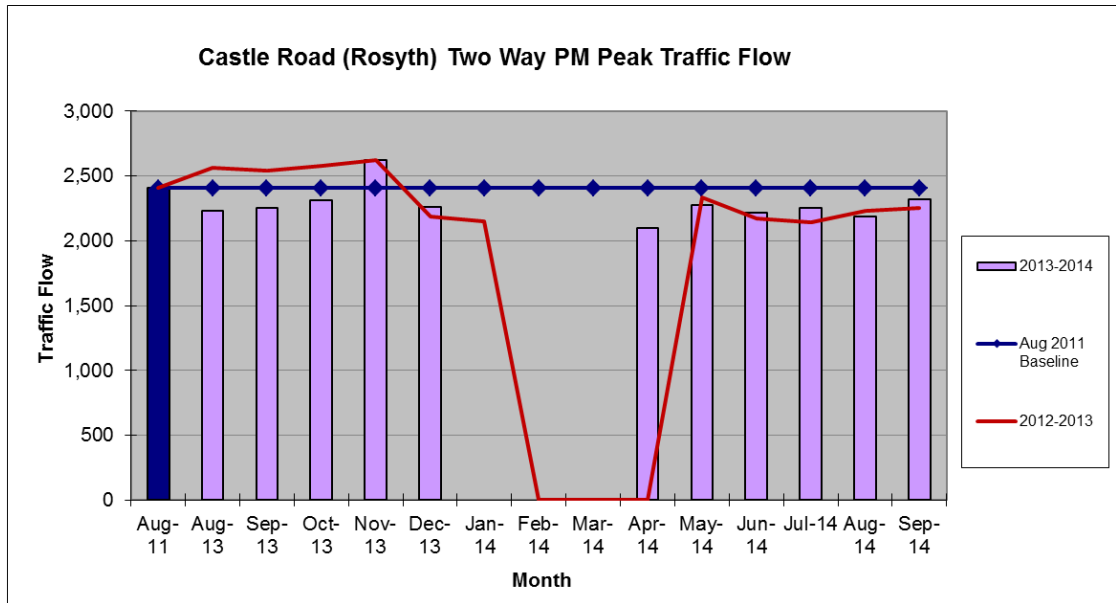


Figure 6-26 Monthly Two Way PM Peak Flows on the Castle Road (Rosyth)

### 6.4.3 Monthly Average HGV Flows

Table 6-15 Site: JTC00580 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	109
		Aug-13	121
		Sep-13	123
		Oct-13	121
		Nov-13	136
		Dec-13	149
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	173
		May-14	192
		Jun-14	193
		Jul-14	188
		Aug-14	170
		Sep-14	177
	<b>Annual Average</b>	<b>155</b>	

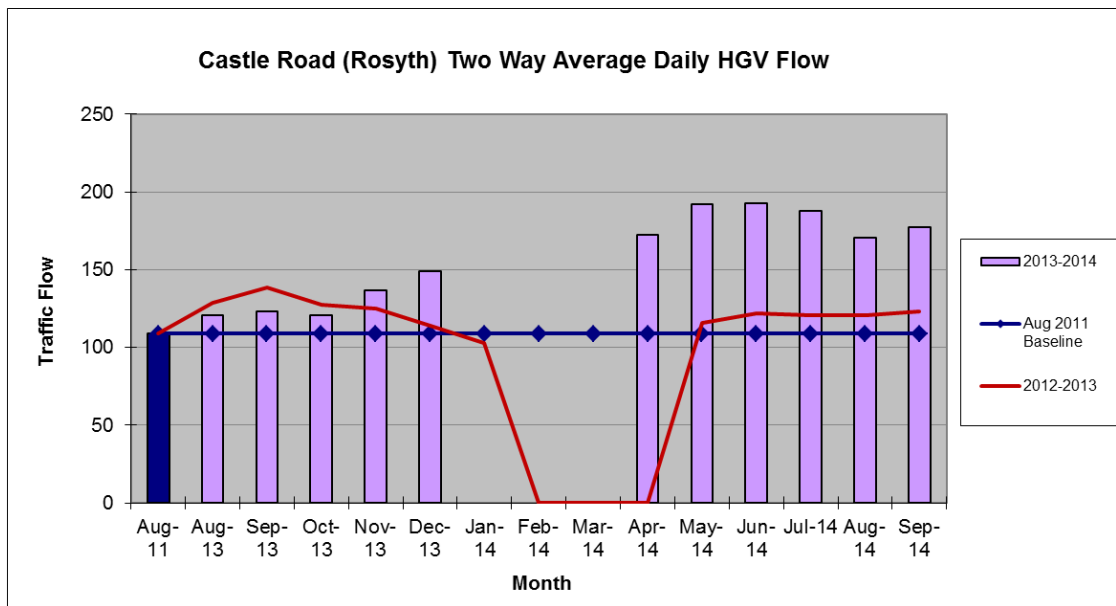


Figure 6-27 Monthly Two Way HGV Flows on the Castle Road (Rosyth)

### 6.4.4 Monthly Average All Vehicles Traffic Speeds

Table 6-16 Site: JTC00580 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00580	Castle Road (Rosyth)	Aug-13	47	48
		Sep-13	46	48
		Oct-13	47	48
		Nov-13	46	48
		Dec-13	46	48
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	47	48
		May-14	46	48
		Jun-14	47	48
		Jul-14	47	48
		Aug-14	46	48
		Sep-14	46	48

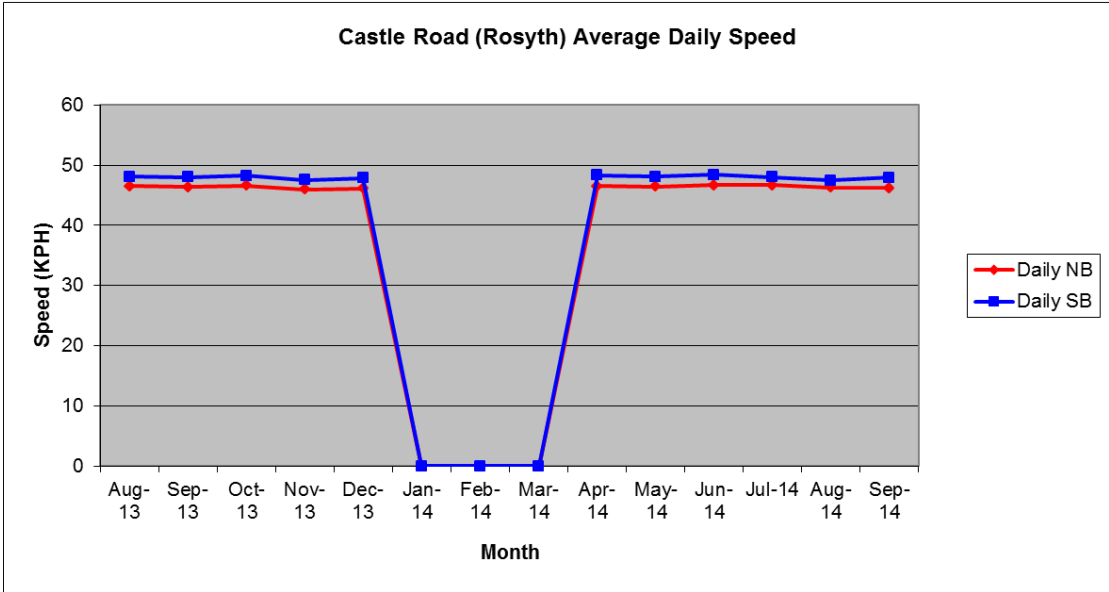


Figure 6-28 Average Monthly Traffic Speeds (KPH) on the Castle Road (Rosyth)

## 6.5 Traffic Counter JTC00585 – Sanderling Way (Dunfermline)

### 6.5.1 Monthly Average Traffic Flows

Table 3-6-17 Site: JTC00585 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	7,137	7,296	14,434
		Aug-13	7,188	7,445	14,633
		Sep-13	6,987	7,201	14,187
		Oct-13	7,004	7,199	14,203
		Nov-13	7,398	7,556	14,954
		Dec-13	7,289	7,402	14,691
		Jan-14	6,809	6,988	13,798
		Feb-14	7,248	7,446	14,694
		Mar-14	7,304	7,494	14,798
		Apr-14	7,400	7,581	14,981
		May-14	7,475	7,699	15,175
		Jun-14	7,402	7,593	14,995
		Jul-14	7,373	7,562	14,935
		Aug-14	7,697	7,928	15,626
		Sep-14	7,351	7,608	14,959
				<b>Annual Average</b>	<b>7,240</b>

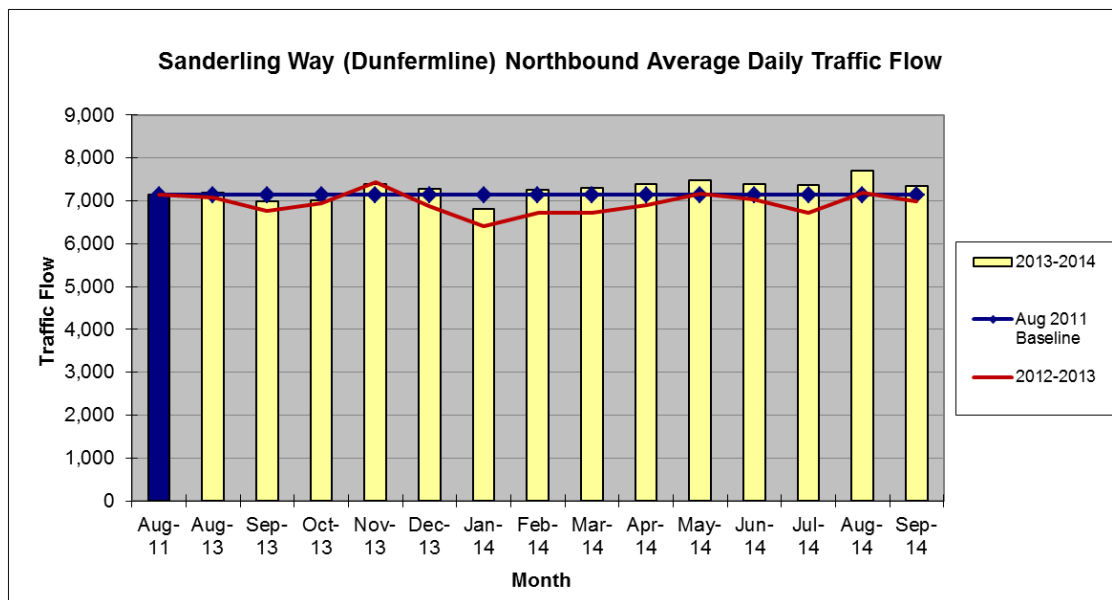


Figure 6-29 Monthly Northbound AADTs on the Sanderling Way (Dunfermline)

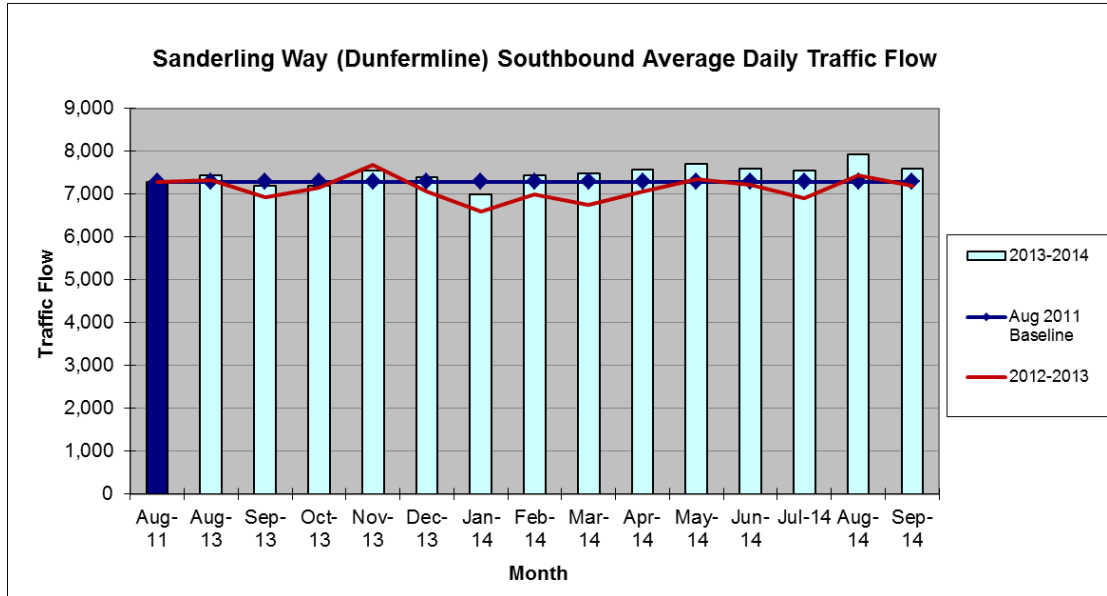


Figure 6-30 Monthly Southbound AADTs on the Sanderling Way (Dunfermline)

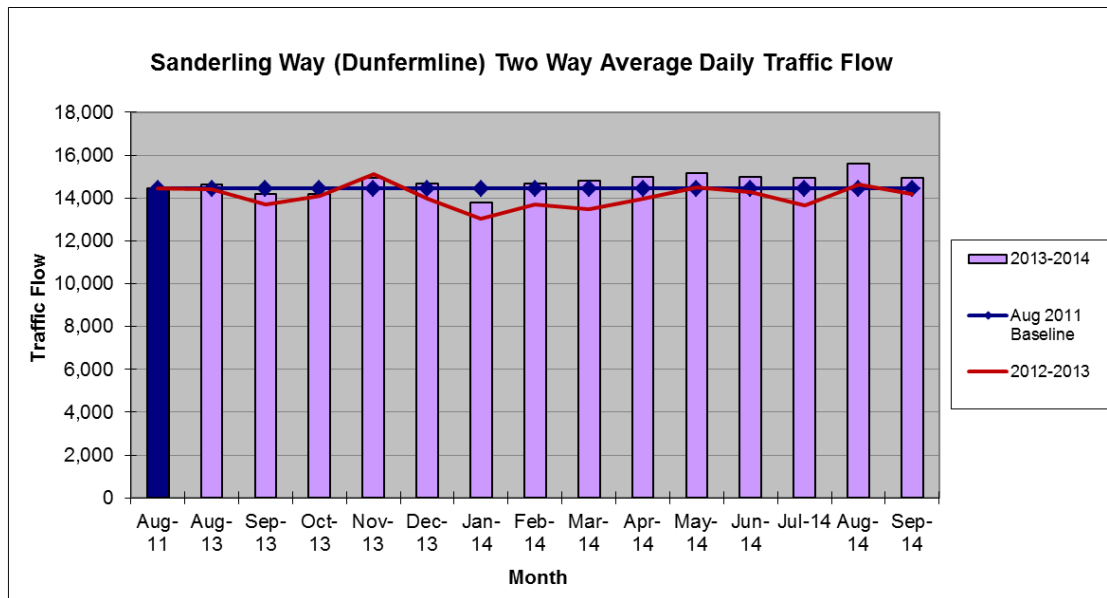
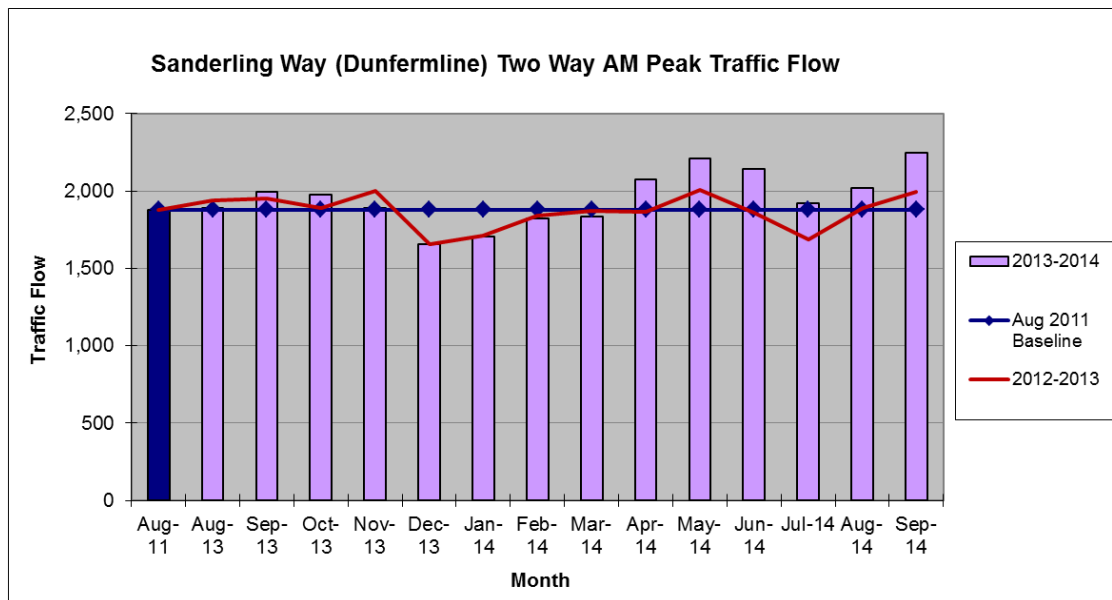


Figure 6-31 Monthly Two Way Daily Traffic Flows on the Sanderling Way (Dunfermline)

### 6.5.2 Monthly Average AM and PM Peak Traffic Flows

**Table 6-18 Site: JTC00585 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00585	Sanderling Way Way (Dunfermline)	Aug-11	1,880	3,658
		Aug-13	1,891	3,634
		Sep-13	1,995	3,595
		Oct-13	1,978	3,662
		Nov-13	1,890	3,617
		Dec-13	1,657	3,497
		Jan-14	1,704	3,407
		Feb-14	1,820	3,649
		Mar-14	1,835	3,637
		Apr-14	2,074	3,809
		May-14	2,210	3,895
		Jun-14	2,143	3,861
		Jul-14	1,921	3,836
		Aug-14	2,020	4,003
		Sep-14	2,249	3,950
		<b>Annual Average</b>	<b>1,927</b>	<b>3,675</b>



**Figure 6-32 Monthly Two Way AM Peak Flows on the Sanderling Way (Dunfermline)**

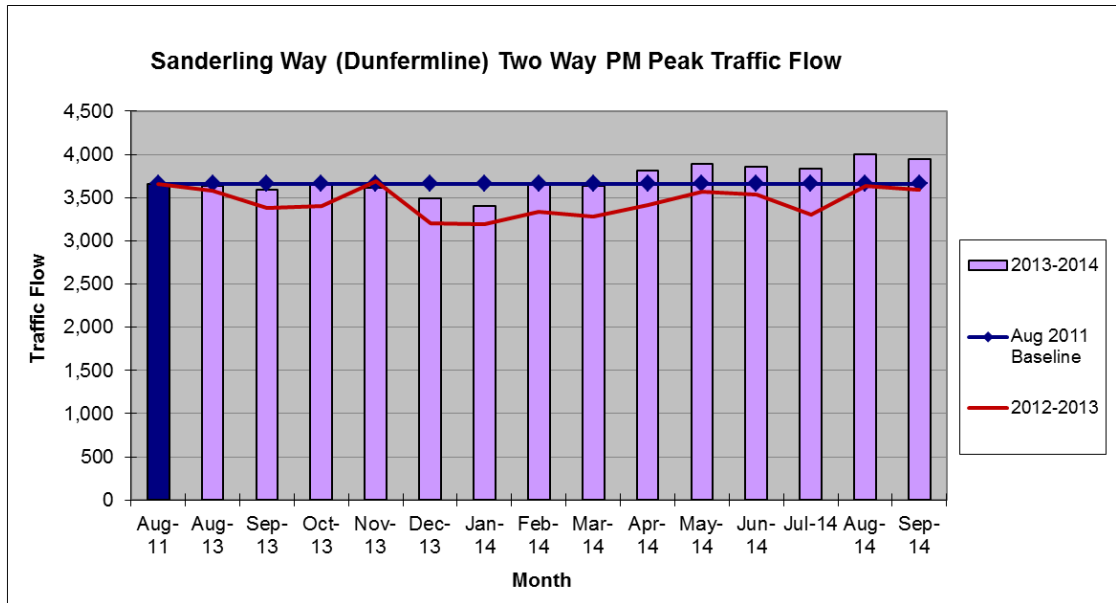


Figure 6-33 Monthly Two Way PM Peak Flows on the Sanderling Way (Dunfermline)

### 6.5.3 Monthly Average HGV Flows

Table 6-19 Site: JTC00585 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	232
		Aug-13	315
		Sep-13	320
		Oct-13	347
		Nov-13	381
		Dec-13	408
		Jan-14	332
		Feb-14	328
		Mar-14	335
		Apr-14	355
		May-14	351
		Jun-14	359
		Jul-14	362
		Aug-14	359
		Sep-14	390
		<b>Annual Average</b>	<b>349</b>



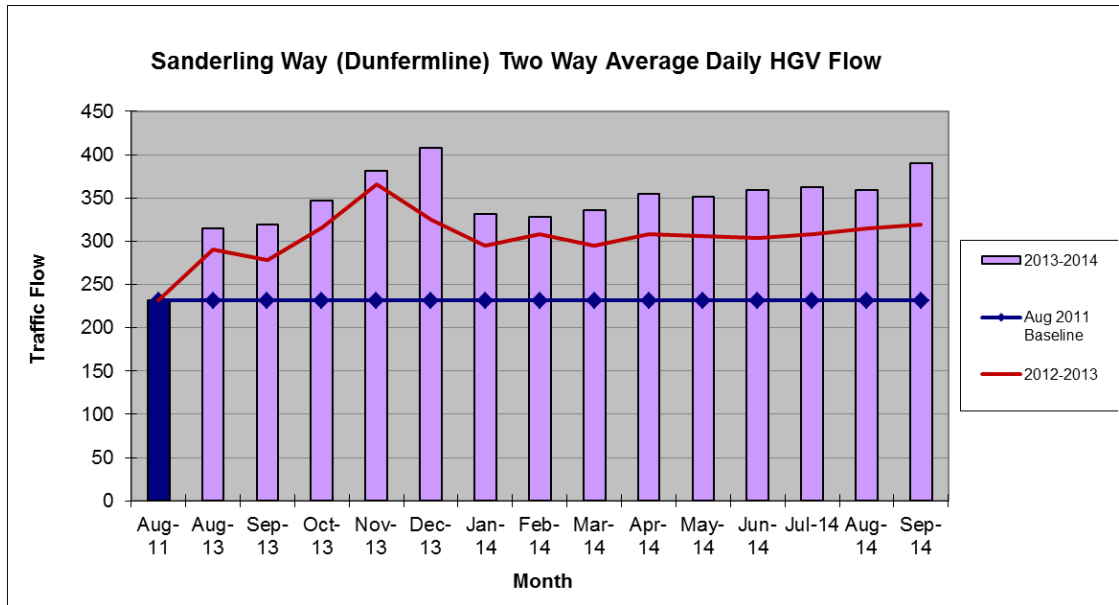


Figure 6-34 Monthly Two Way HG V Flows on the Sanderling Way (Dunfermline)

### 6.5.4 Monthly Average All Vehicles Traffic Speeds

Table 6-20 Site: JTC00585 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00585	Sanderling Way (Dunfermline)	Aug-13	60	60
		Sep-13	60	61
		Oct-13	59	60
		Nov-13	59	59
		Dec-13	59	59
		Jan-14	59	60
		Feb-14	59	60
		Mar-14	60	61
		Apr-14	60	61
		May-14	60	61
		Jun-14	60	61
		Jul-14	60	61
		Aug-14	60	61
Sep-14	60	61		

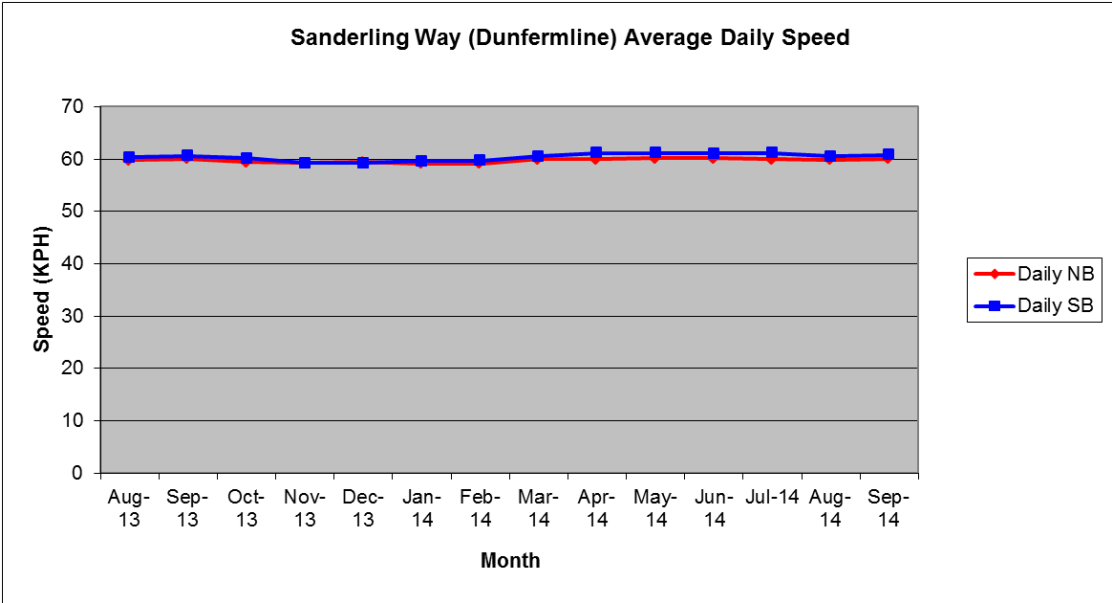


Figure 6-35 Average Monthly Traffic Speeds (KPH) on the Sanderling Way (Dunfermline)

## 6.6 Traffic Counter JTC00587 – Ferry Toll Road

### 6.6.1 Monthly Average Traffic Flows

Table 3-6-21 Site: JTC00587 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road	Aug-11	2,033	2,780	4,814
		Aug-13	1,955	2,105	4,059
		Sep-13	1,928	2,110	4,037
		Oct-13	1,898	2,061	3,959
		Nov-13	1,920	2,106	4,026
		Dec-13	1,709	1,855	3,564
		Jan-14	1,765	1,957	3,722
		Feb-14	1,827	1,981	3,808
		Mar-14	1,881	2,024	3,905
		Apr-14	1,866	2,021	3,887
		May-14	1,939	2,132	4,071
		Jun-14	1,826	1,987	3,813
		Jul-14	No Data	No Data	No Data
		Aug-14	No Data	No Data	No Data
		Sep-14	1,669	1,826	3,495
		<b>Annual Average</b>	<b>1,865</b>	<b>2,031</b>	<b>3,896</b>

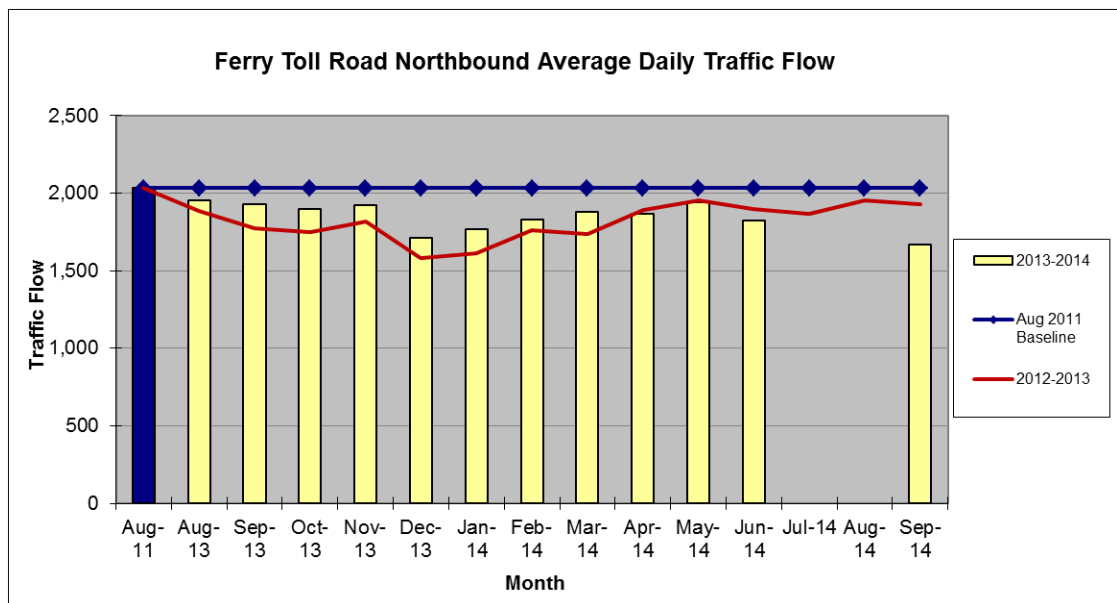


Figure 6-36 Monthly Northbound AADTs on the Ferry Toll Road

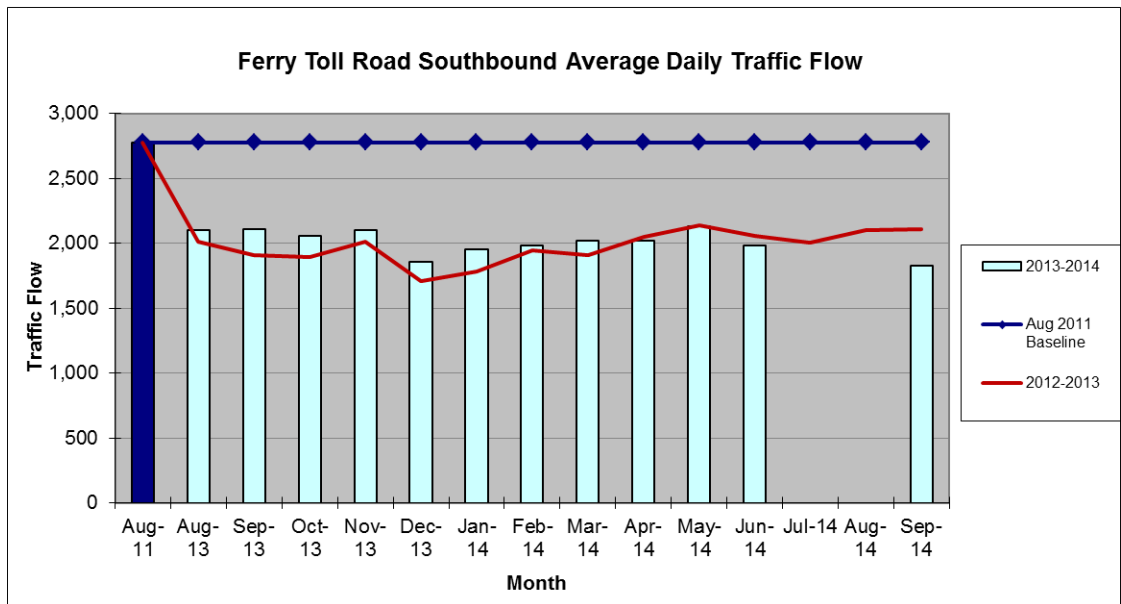


Figure 6-37 Monthly Southbound AADTs on the Ferry Toll Road

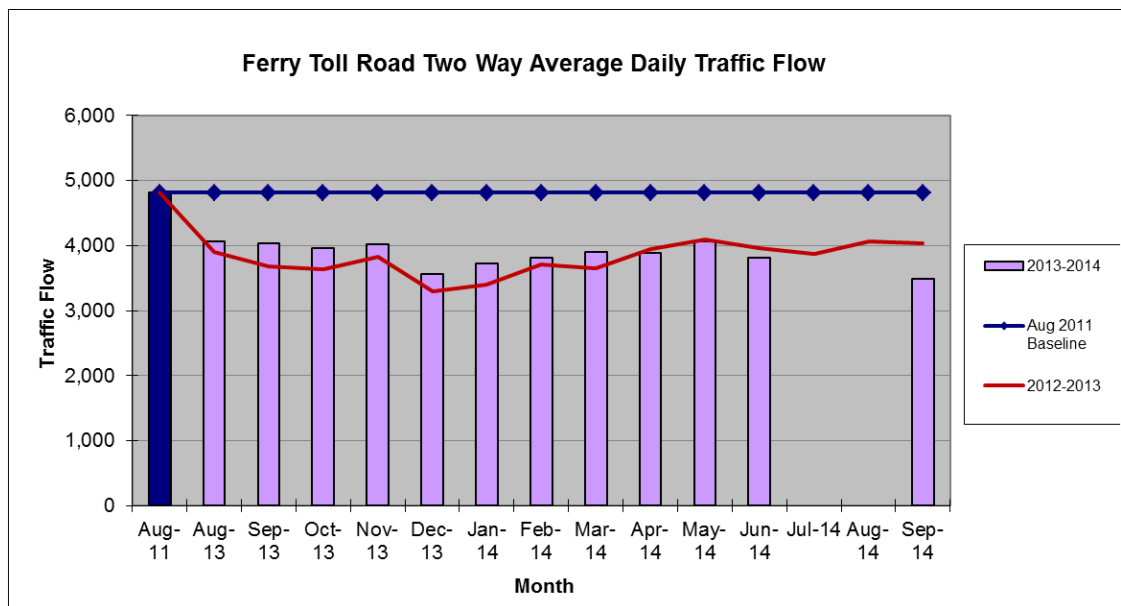
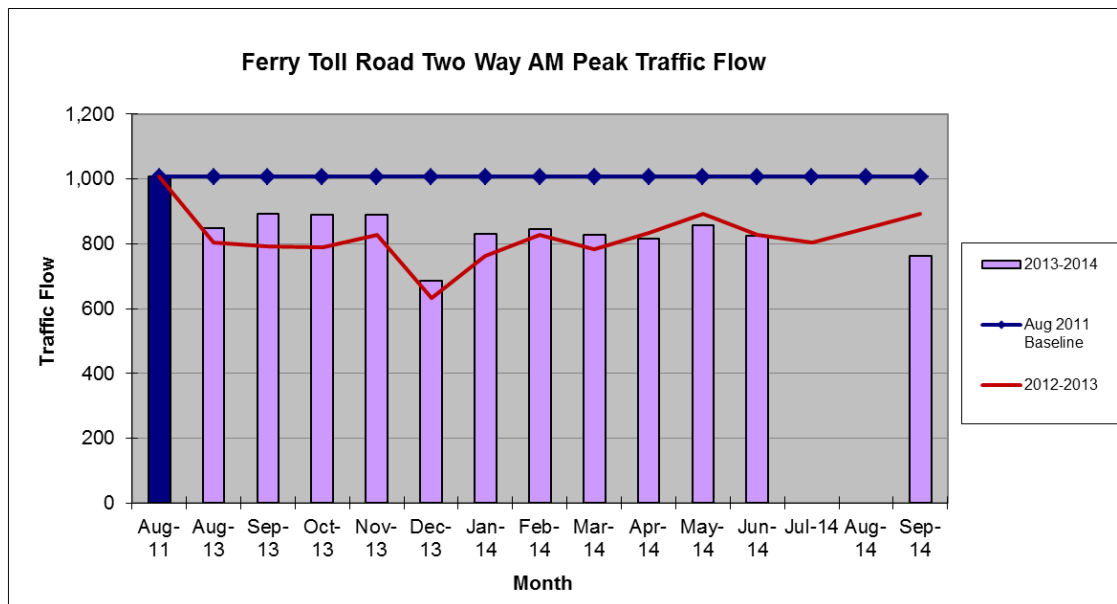


Figure 6-38 Monthly Two Way Daily Traffic Flows on the Ferry Toll Road

### 6.6.2 Monthly Average AM and PM Peak Traffic Flows

**Table 6-22 Site: JTC00587 Monthly Two Way AM and Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00587	Ferry Toll Road	Aug-11	1,007	1,182
		Aug-13	849	1,017
		Sep-13	893	1,021
		Oct-13	890	1,002
		Nov-13	890	970
		Dec-13	685	826
		Jan-14	831	896
		Feb-14	845	908
		Mar-14	826	938
		Apr-14	816	964
		May-14	858	1,009
		Jun-14	824	921
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	764	862
		<b>Annual Average</b>		



**Figure 6-39 Monthly Two Way AM Peak Flows on the Ferry Toll Road**

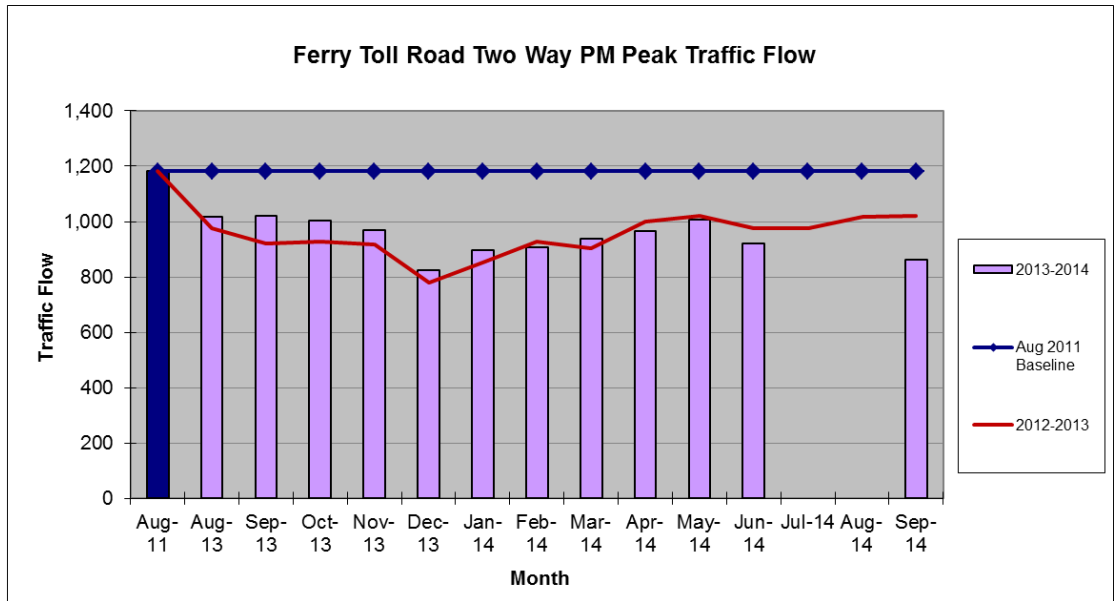


Figure 6-40 Monthly Two Way PM Peak Flows on the Ferry Toll Road

### 6.6.3 Monthly Average HGV Flows

Table 6-23 Site: JTC00587 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00587	Ferry Toll Road	Aug-11	9
		Aug-13	9
		Sep-13	9
		Oct-13	9
		Nov-13	9
		Dec-13	6
		Jan-14	7
		Feb-14	8
		Mar-14	7
		Apr-14	7
		May-14	8
		Jun-14	8
		Jul-14	No Data
		Aug-14	No Data
Sep-14	3		
		<b>Annual Average</b>	<b>8</b>

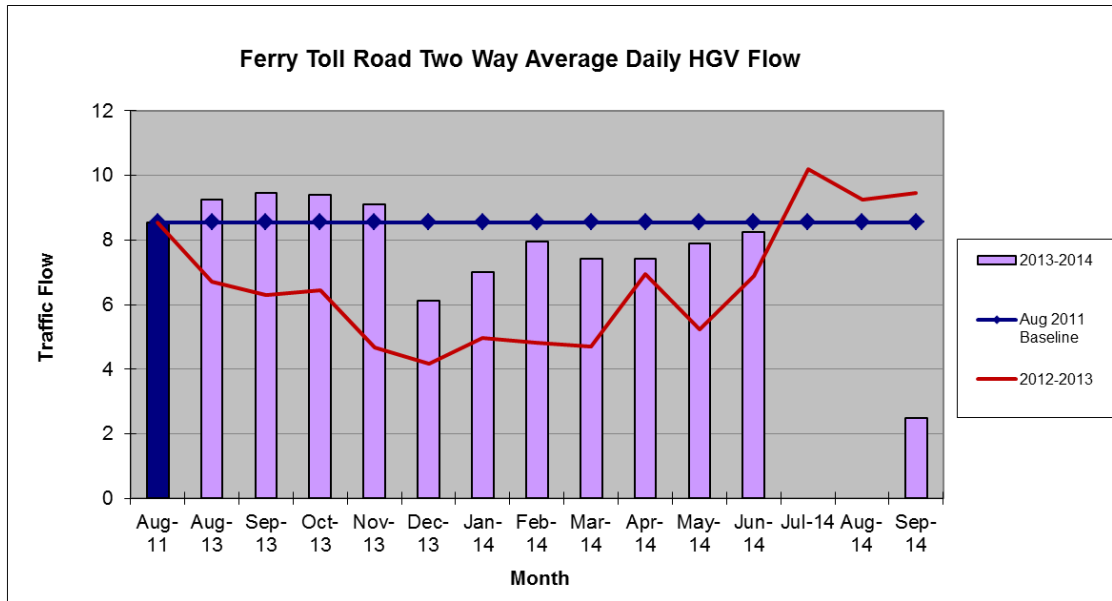


Figure 6-41 Monthly Two Way HGV Flows on the Ferry Toll Road

### 6.6.4 Monthly Average All Vehicles Traffic Speeds

Table 6-24 Site: JTC00587 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	NB	SB
JTC00587	Ferry Toll Road	Aug-13	54	55
		Sep-13	54	54
		Oct-13	54	55
		Nov-13	54	56
		Dec-13	55	55
		Jan-14	54	55
		Feb-14	54	55
		Mar-14	54	55
		Apr-14	54	55
		May-14	54	55
		Jun-14	54	55
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	54	55

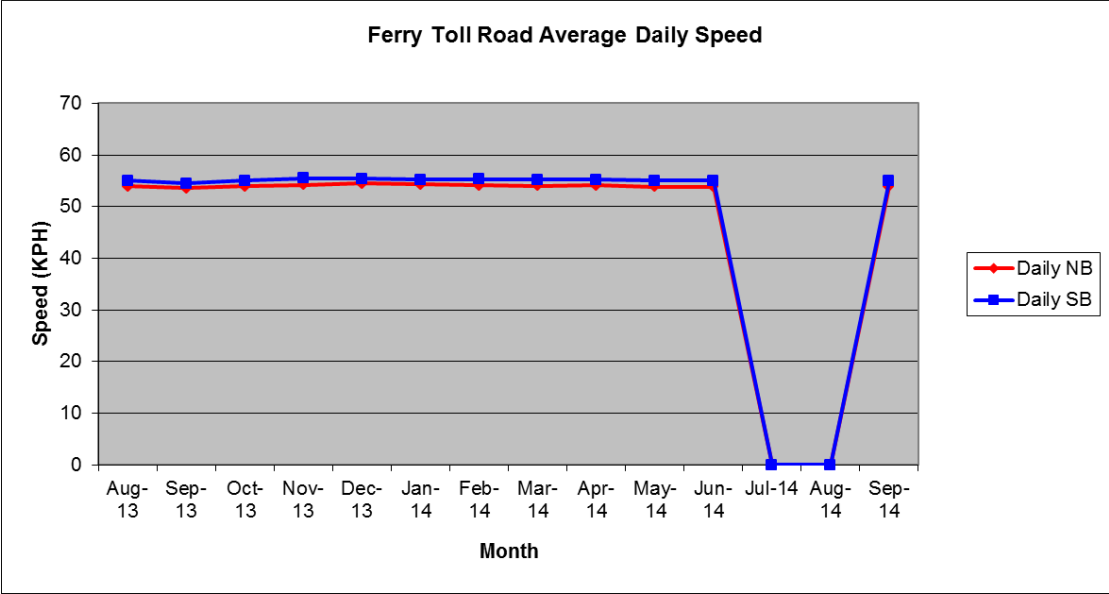


Figure 6-42 Average Monthly Traffic Speeds (KPH) on the Ferry Toll Road



## 6.7 Traffic Counter JTC00588 – King Malcolm Drive (Rosyth)

### 6.7.1 Monthly Average Traffic Flows

Table 3-6-25 Site: JTC00588 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	1,748	1,443	3,191
		Aug-13	2,524	2,221	4,745
		Sep-13	2,488	2,180	4,669
		Oct-13	2,522	2,197	4,719
		Nov-13	2,512	2,136	4,648
		Dec-13	1,924	1,628	3,553
		Jan-14	2,361	2,004	4,365
		Feb-14	2,701	2,279	4,980
		Mar-14	2,568	2,201	4,769
		Apr-14	2,584	2,223	4,808
		May-14	2,647	2,354	5,001
		Jun-14	2,735	2,491	5,226
		Jul-14	3,345	3,303	6,648
		Aug-14	3,107	2,943	6,050
		Sep-14	No Data	No Data	No Data
<b>Annual Average</b>			<b>2,576</b>	<b>2,268</b>	<b>4,844</b>

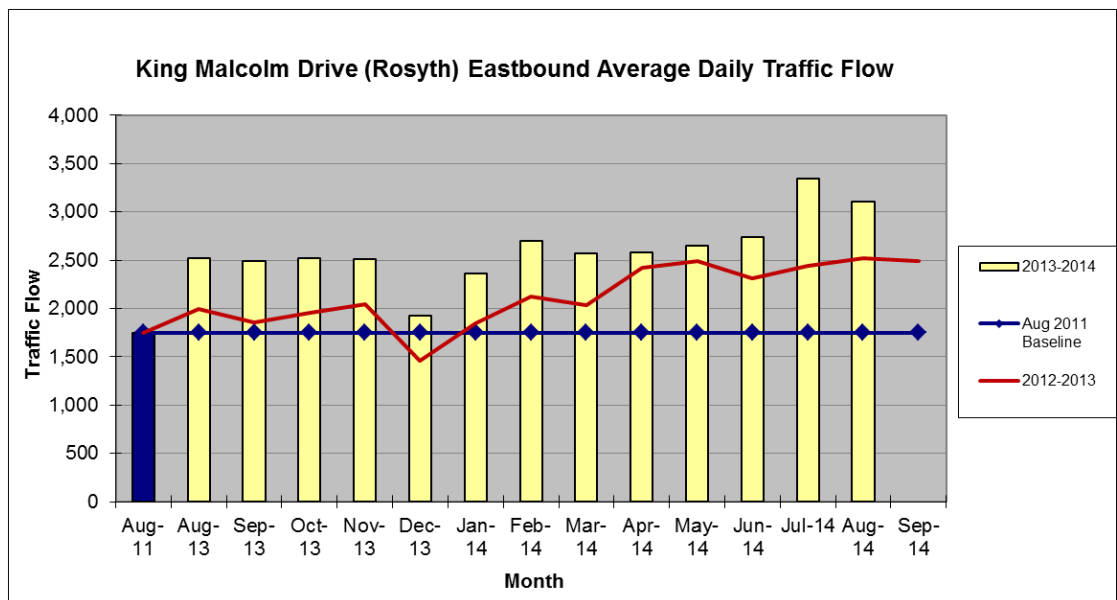


Figure 6-43 Monthly Eastbound AADTs on the King Malcolm Drive (Rosyth)

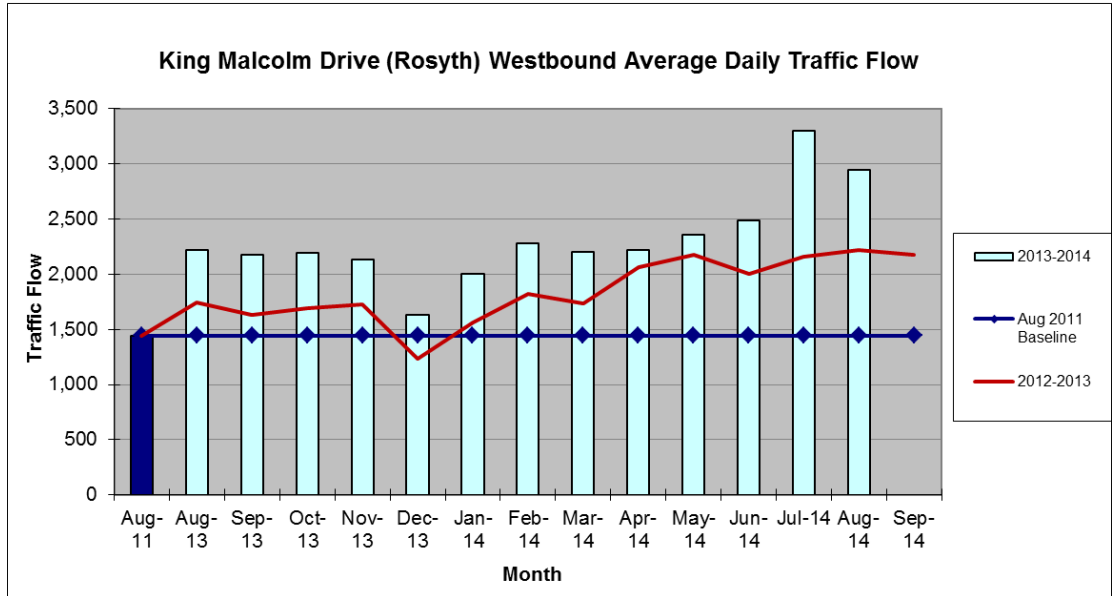


Figure 6-44 Monthly Westbound AADTs on the King Malcolm Drive (Rosyth)

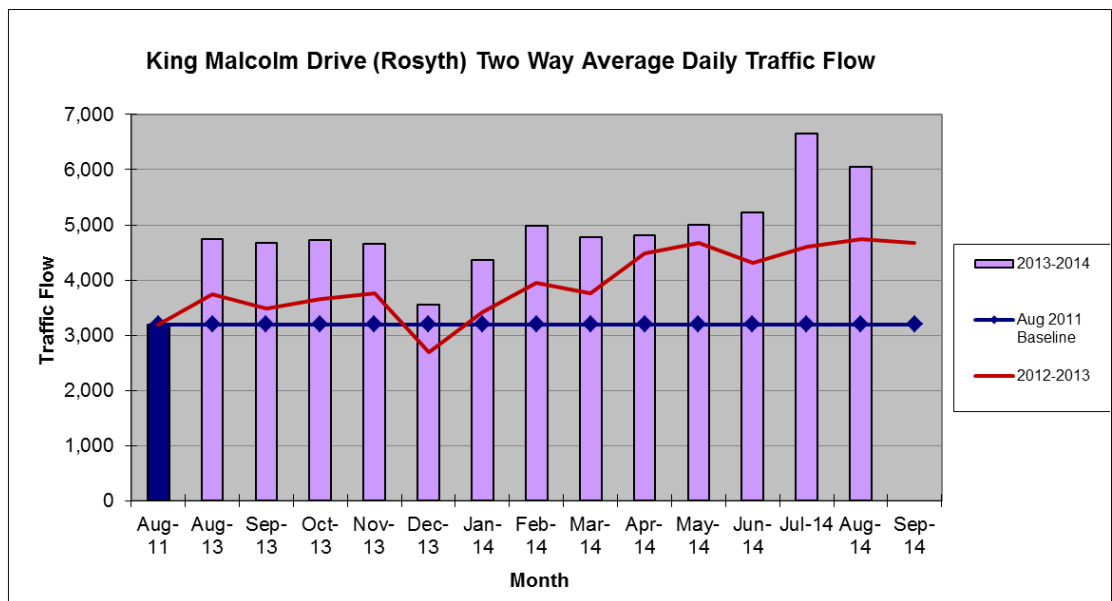
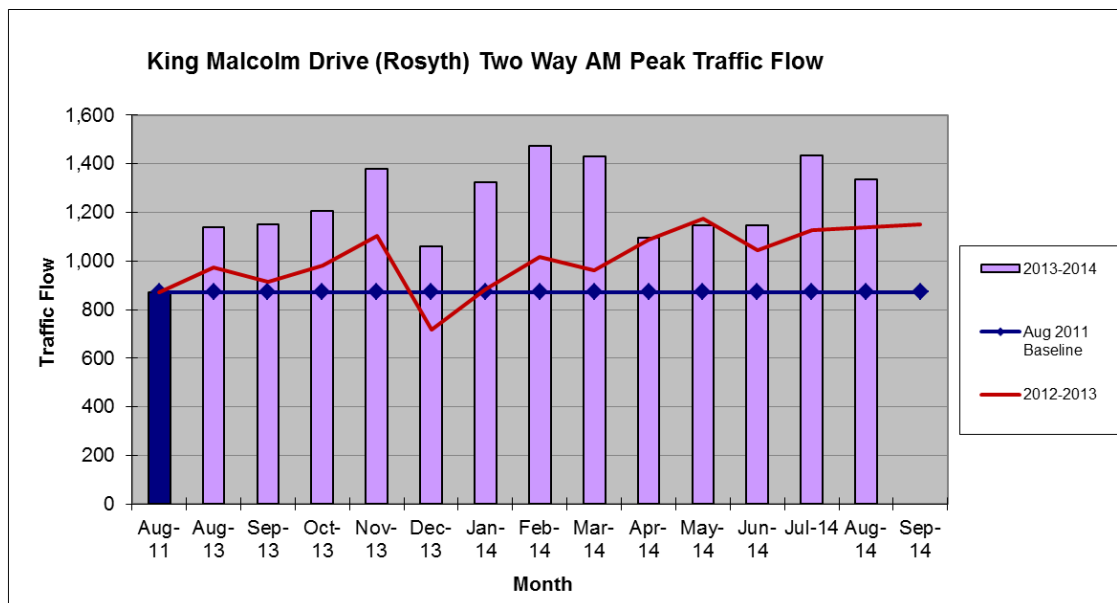


Figure 6-45 Monthly Two Way Daily Traffic Flows on the King Malcolm Drive (Rosyth)

### 6.7.2 Monthly Average AM and PM Peak Traffic Flows

**Table 6-26 Site: JTC00588 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	873	906
		Aug-13	1,139	1,369
		Sep-13	1,152	1,365
		Oct-13	1,207	1,423
		Nov-13	1,378	1,330
		Dec-13	1,060	989
		Jan-14	1,322	1,290
		Feb-14	1,476	1,444
		Mar-14	1,431	1,385
		Apr-14	1,097	1,471
		May-14	1,146	1,431
		Jun-14	1,146	1,528
		Jul-14	1,436	1,886
		Aug-14	1,336	1,668
		Sep-14	No Data	No Data
		<b>Annual Average</b>	<b>1,249</b>	<b>1,409</b>



**Figure 6-46 Monthly Two Way AM Peak Flows on the King Malcolm Drive (Rosyth)**

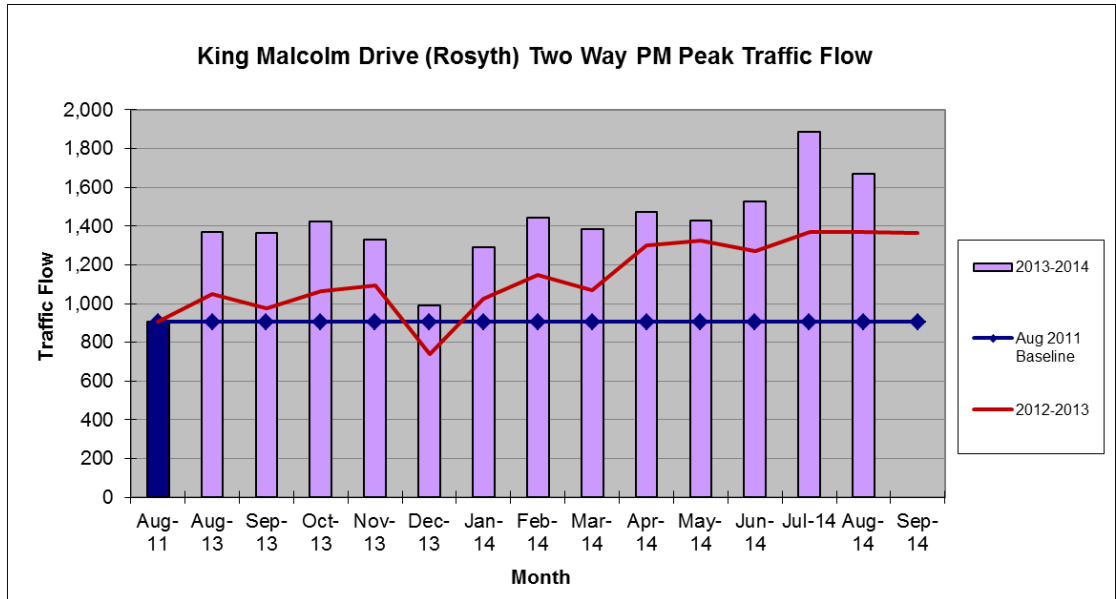


Figure 6-47 Monthly Two Way PM Peak Flows on the King Malcolm Drive (Rosyth)

### 6.7.3 Monthly Average HGV Flows

Table 6-27 Site: JTC00588 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	156
		Aug-13	237
		Sep-13	218
		Oct-13	216
		Nov-13	201
		Dec-13	135
		Jan-14	144
		Feb-14	191
		Mar-14	187
		Apr-14	177
		May-14	187
		Jun-14	202
		Jul-14	200
		Aug-14	170
Sep-14	No Data		
<b>Annual Average</b>			<b>191</b>

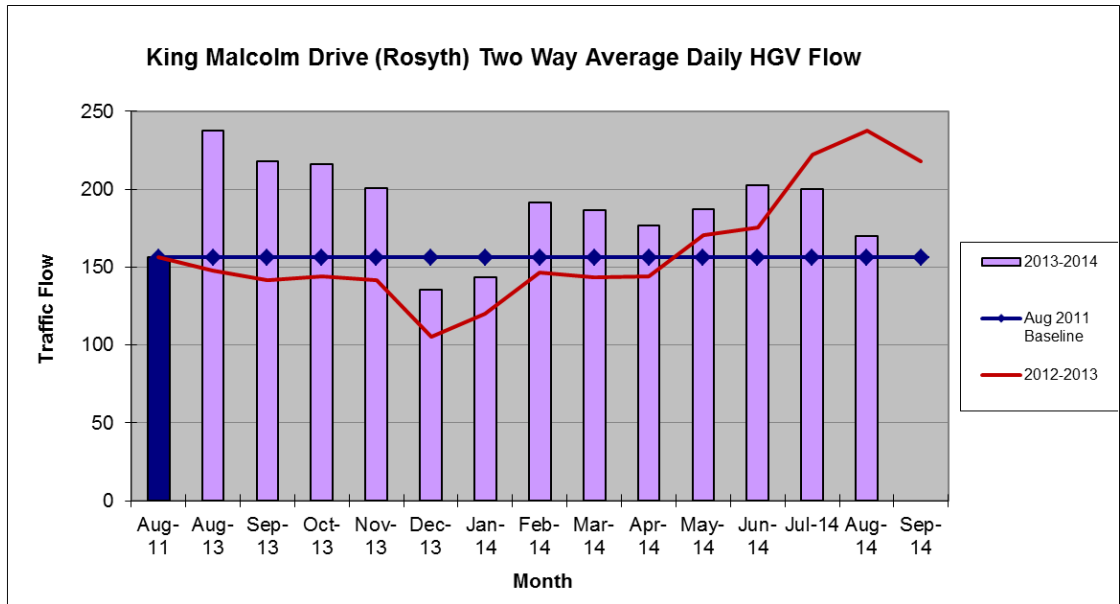


Figure 6-48 Monthly Two Way HGV Flows on the King Malcolm Drive (Rosyth)

### 6.7.4 Monthly Average All Vehicles Traffic Speeds

Table 6-28 Site: JTC00588 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014

Counter	Location	Date	EB	WB
JTC00588	King Malcolm Drive (Rosyth)	Aug-13	41	45
		Sep-13	41	45
		Oct-13	41	45
		Nov-13	41	45
		Dec-13	42	46
		Jan-14	41	46
		Feb-14	41	46
		Mar-14	42	46
		Apr-14	42	46
		May-14	42	46
		Jun-14	40	45
		Jul-14	39	44
		Aug-14	40	44
Sep-14	No Data	No Data		

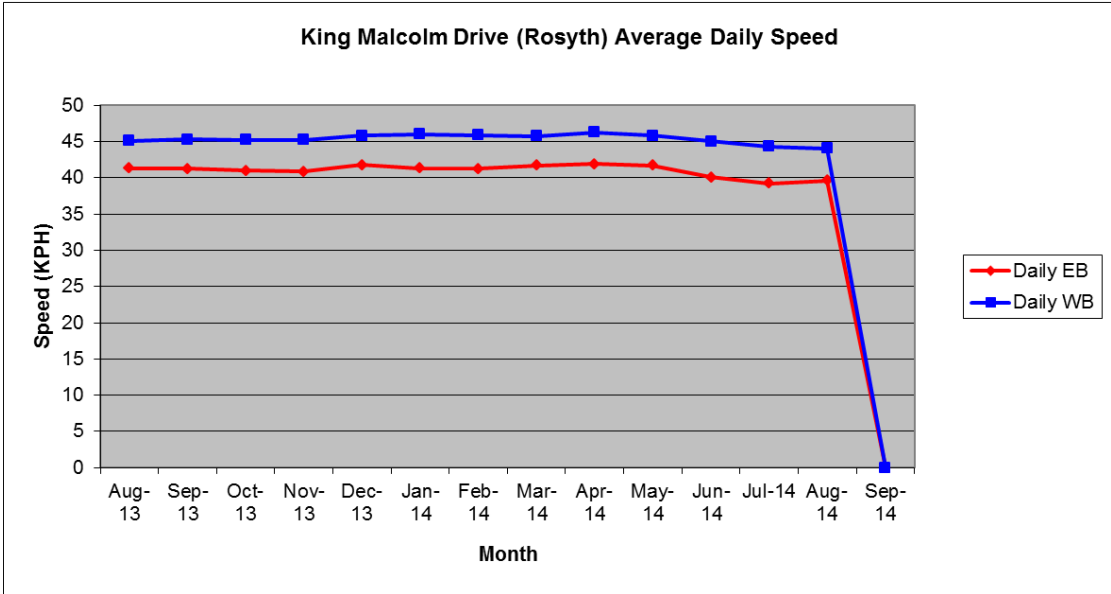


Figure 6-49 Average Monthly Traffic Speeds (KPH) on the King Malcolm Drive (Rosyth)

## 6.8 Traffic Counter JTC00593 – Main Street West (Dalmeny)

### 6.8.1 Monthly Average Traffic Flows

Table 3-6-29 Site: JTC00593 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	518	372	890
		Aug-13	No Data	No Data	No Data
		Sep-13	No Data	No Data	No Data
		Oct-13	1,679	1,310	2,989
		Nov-13	855	657	1,512
		Dec-13	436	308	743
		Jan-14	494	373	867
		Feb-14	467	347	814
		Mar-14	489	366	856
		Apr-14	544	374	918
		May-14	518	359	877
		Jun-14	No Data	No Data	No Data
		Jul-14	No Data	No Data	No Data
		Aug-14	No Data	No Data	No Data
		Sep-14	570	371	941
		<b>Annual Average</b>	<b>685</b>	<b>512</b>	<b>1,197</b>

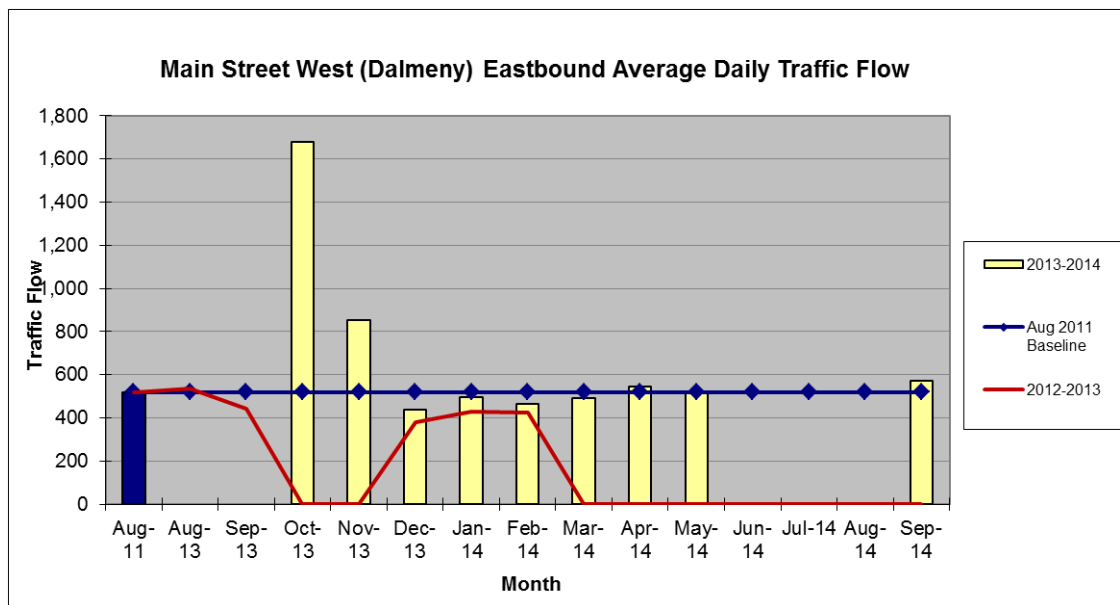


Figure 6-50 Monthly Eastbound AADTs on the Main Street West (Dalmeny)

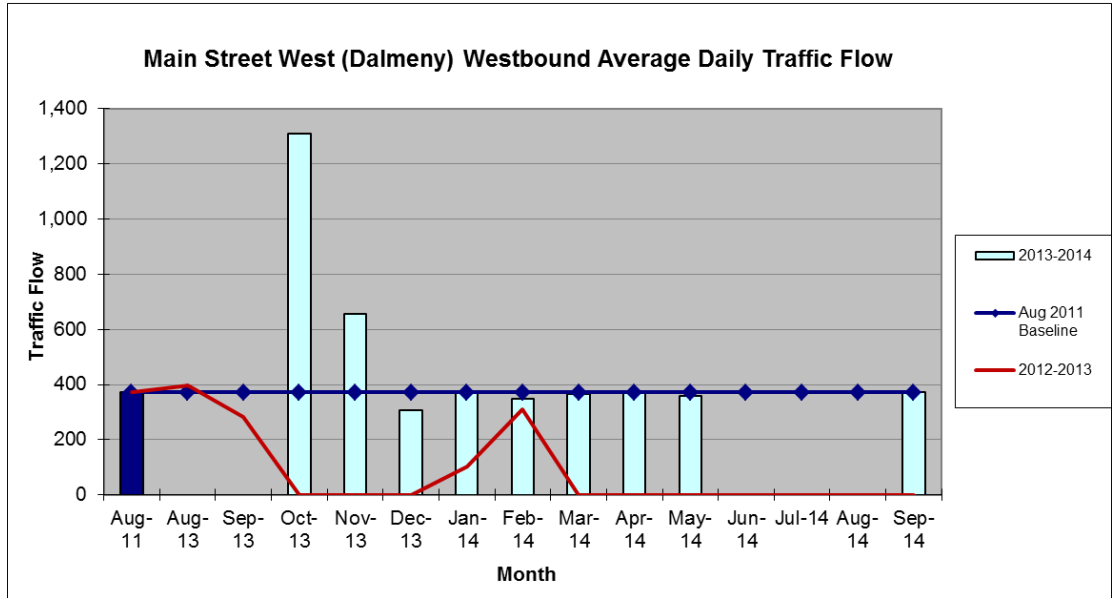


Figure 6-51 Monthly Westbound AADTs on the Main Street West (Dalmeny)

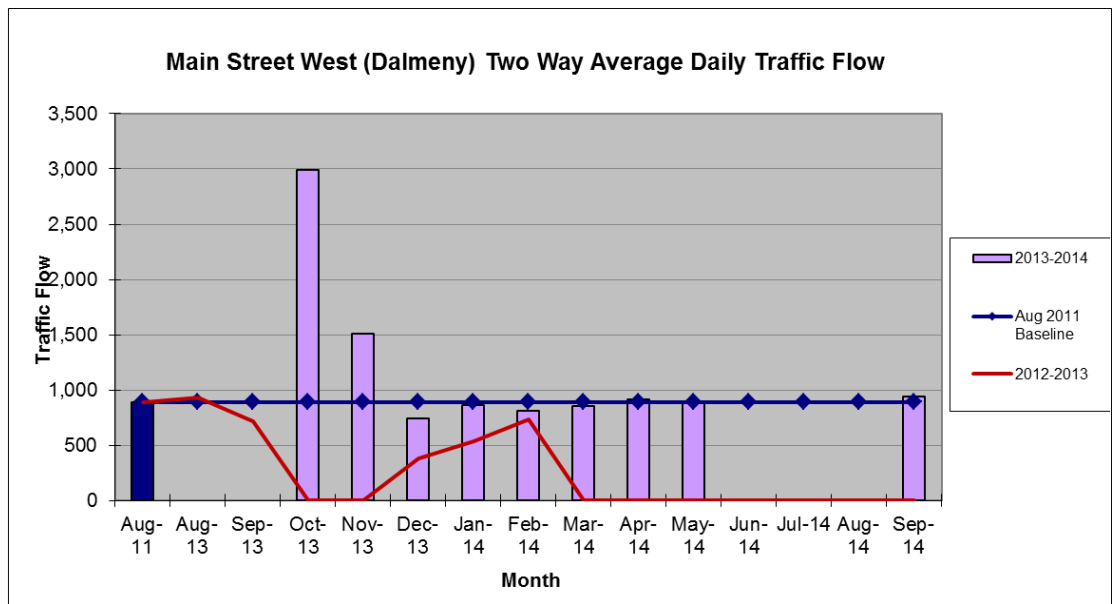


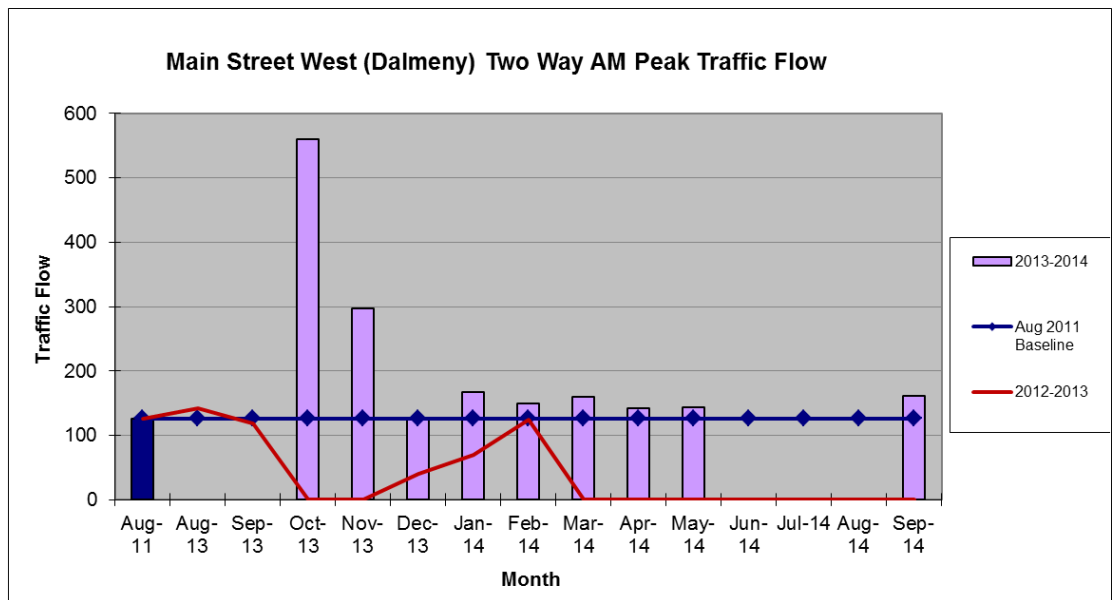
Figure 6-52 Monthly Two Way Daily Traffic Flows on the Main Street West (Dalmeny)



### 6.8.2 Monthly Average AM and PM Peak Traffic Flows

**Table 6-30 Site: JTC00593 Monthly Tw Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00593	Main Street West (Dalmeny)	Aug-11	126	254
		Aug-13	No Data	No Data
		Sep-13	No Data	No Data
		Oct-13	561	690
		Nov-13	297	399
		Dec-13	126	178
		Jan-14	167	214
		Feb-14	150	210
		Mar-14	160	208
		Apr-14	142	225
		May-14	144	231
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	161	275
		<b>Annual Average</b>	<b>218</b>	<b>294</b>



**Figure 6-53 Monthly Eastbound AM Peak Flows on the Main Street West (Dalmeny)**

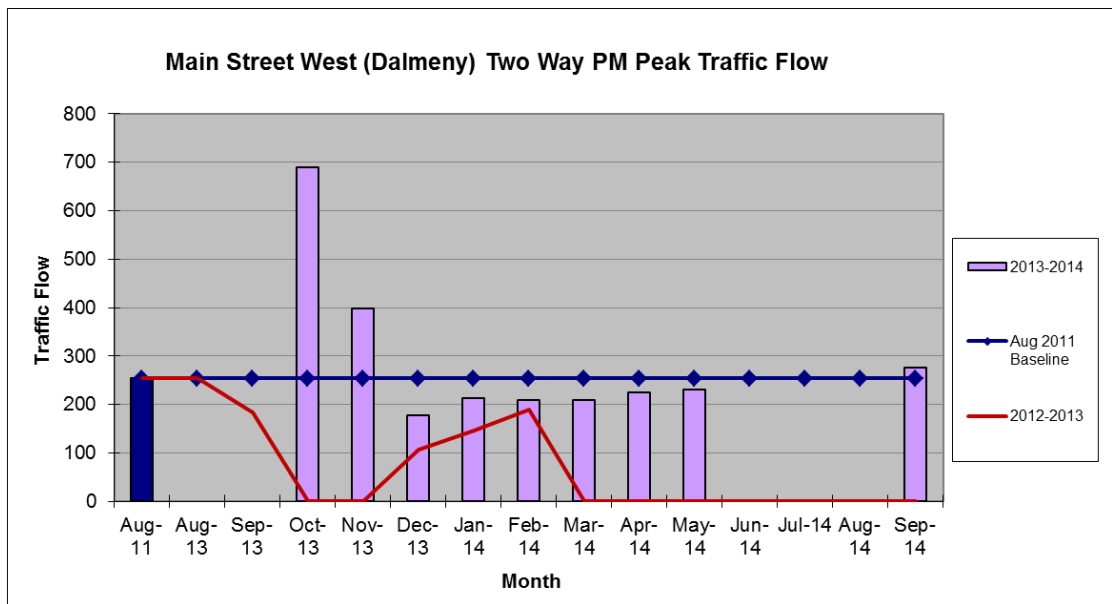


Figure 6-54 Monthly Two Way AM Peak Flows on the Main Street West (Dalmeny)

### 6.8.3 Monthly Average HGV Flows

Table 6-31 Site: JTC00593 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	59
		Aug-13	No Data
		Sep-13	No Data
		Oct-13	9
		Nov-13	6
		Dec-13	4
		Jan-14	6
		Feb-14	5
		Mar-14	8
		Apr-14	7
		May-14	11
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	17
	<b>Annual Average</b>	<b>7</b>	

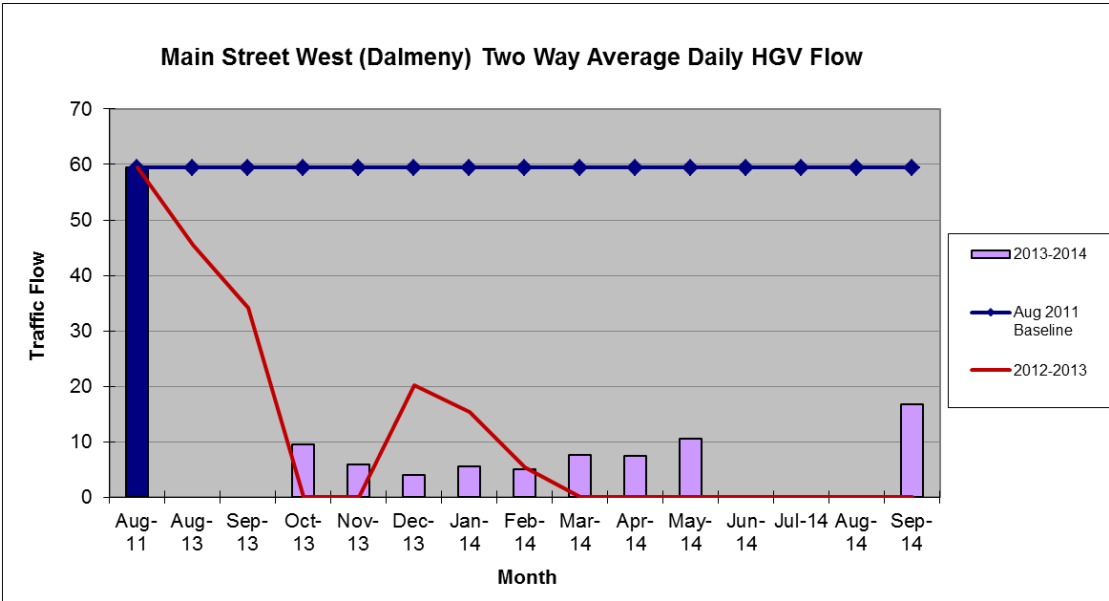
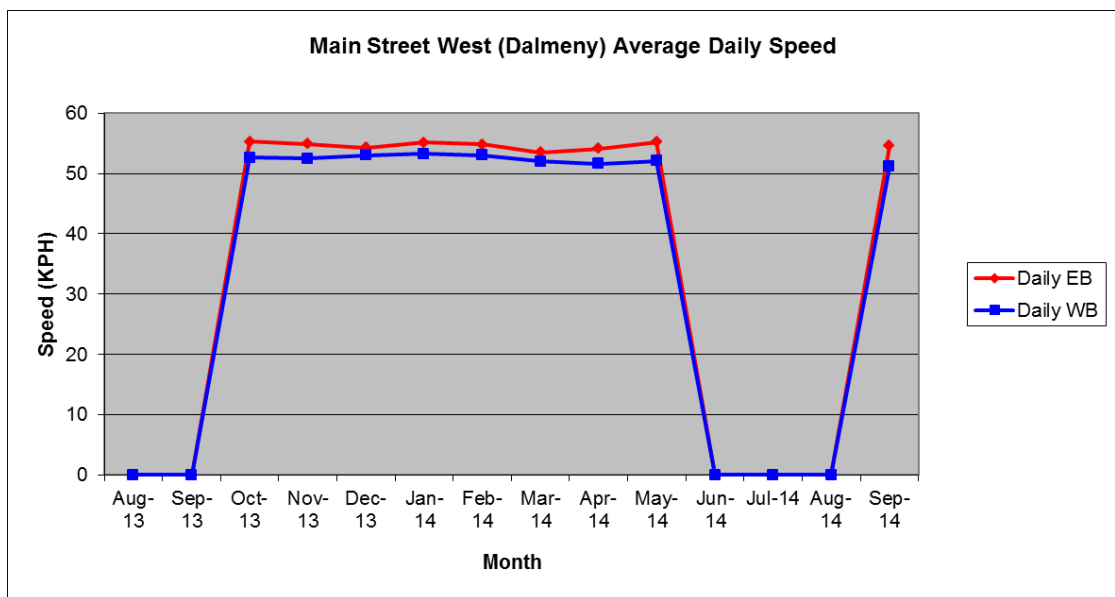


Figure 6-55 Monthly Two Way HGV Flows on the Main Street West (Dalmeny)

### 6.8.4 Monthly Average All Vehicles Traffic Speeds

**Table 6-32 Site: JTC00593 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB	WB
JTC00593	Main Street West (Dalmeny)	Aug-13	No Data	No Data
		Sep-13	No Data	No Data
		Oct-13	55	53
		Nov-13	55	53
		Dec-13	54	53
		Jan-14	55	53
		Feb-14	55	53
		Mar-14	54	52
		Apr-14	54	52
		May-14	55	52
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	55	51



**Figure 6-56 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 3-6-33 Site: JTC00596 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way	
JTC00596	Society Road (South Queensferry)	Aug-11	756	672	1,427	
		Aug-13	937	343	1,279	
		Sep-13	1,088	283	1,371	
		Oct-13	597	533	1,130	
		Nov-13	726	668	1,394	
		Dec-13	633	570	1,202	
		Jan-14	610	482	1,092	
		Feb-14	No Data	No Data	No Data	
		Mar-14	No Data	No Data	No Data	
		Apr-14	No Data	No Data	No Data	
		May-14	No Data	No Data	No Data	
		Jun-14	No Data	No Data	No Data	
		Jul-14	No Data	No Data	No Data	
		Aug-14	No Data	No Data	No Data	
		Sep-14	No Data	No Data	No Data	
		<b>Annual Average</b>		765	480	1,245

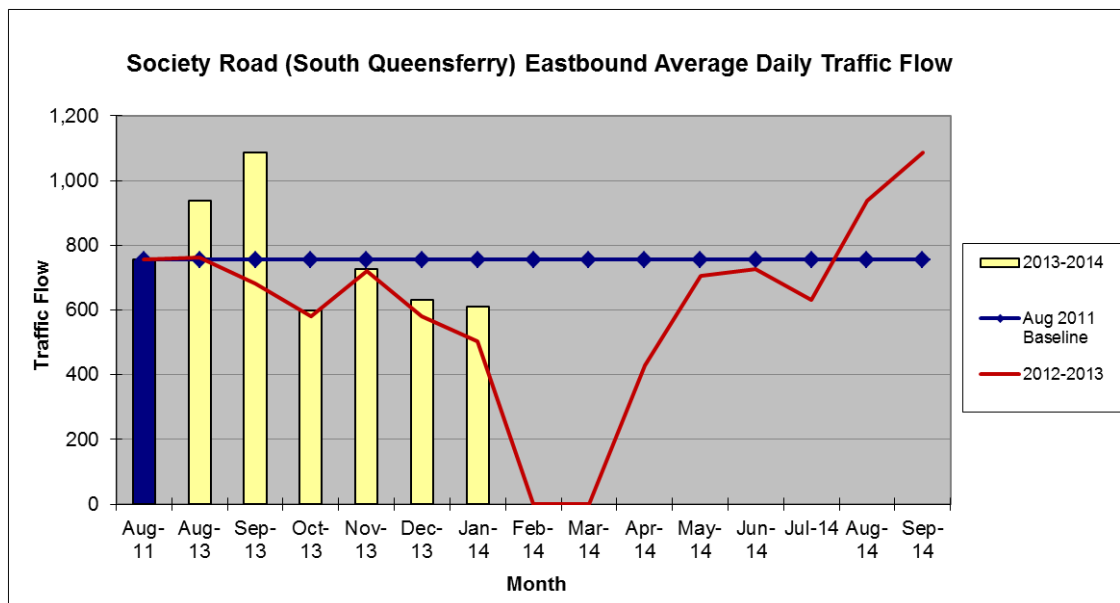


Figure 6-57 Monthly Eastbound AADTs on the Society Road (South Queensferry)

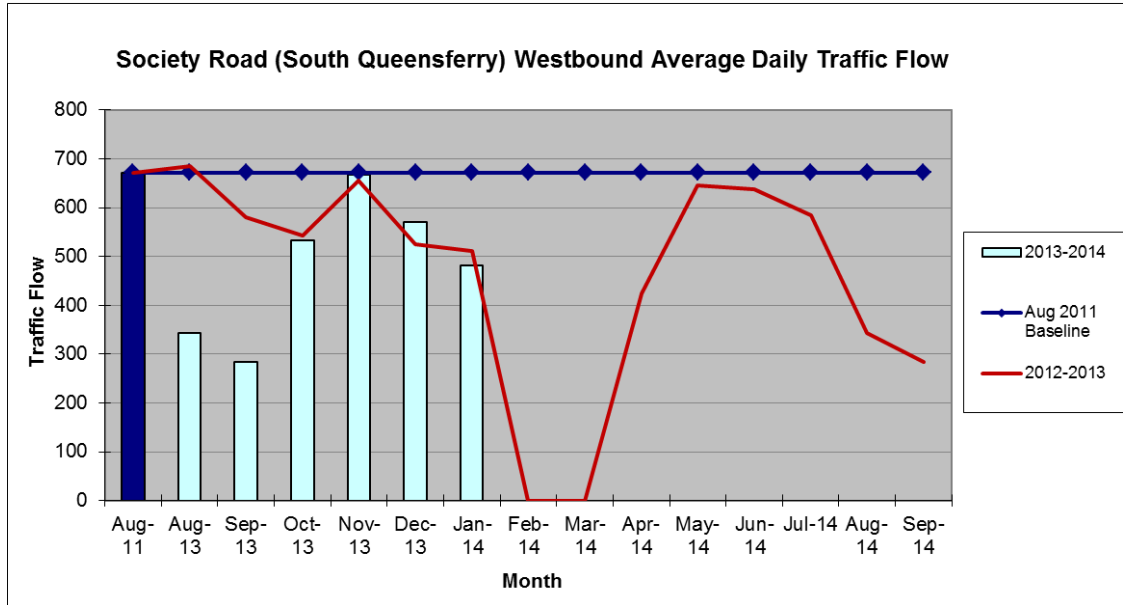


Figure 6-58 Monthly Westbound AADTs on the Society Road (South Queensferry)

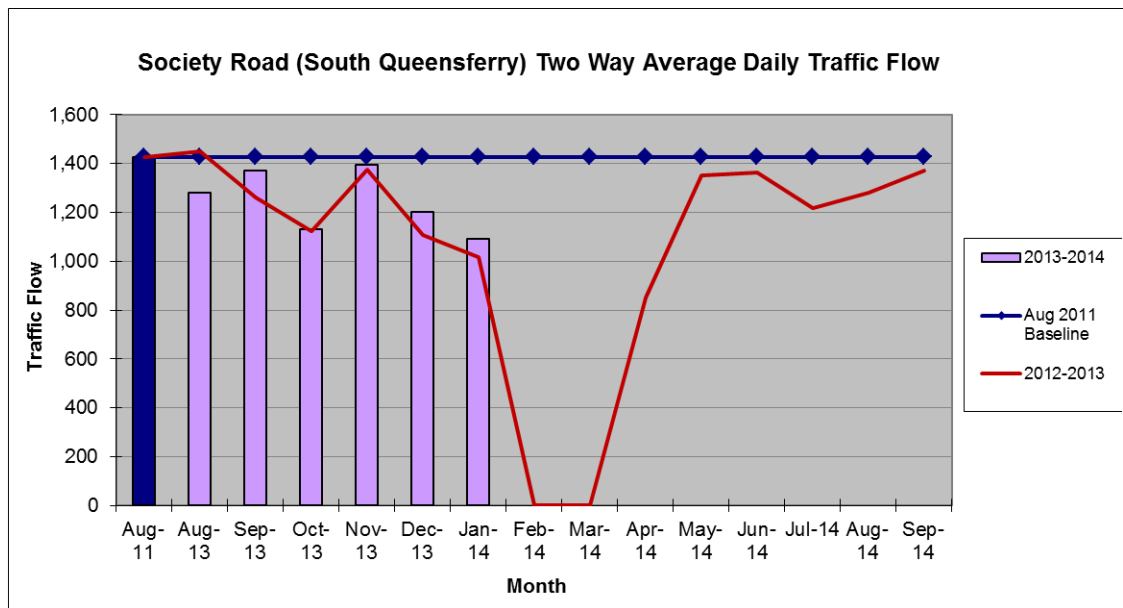
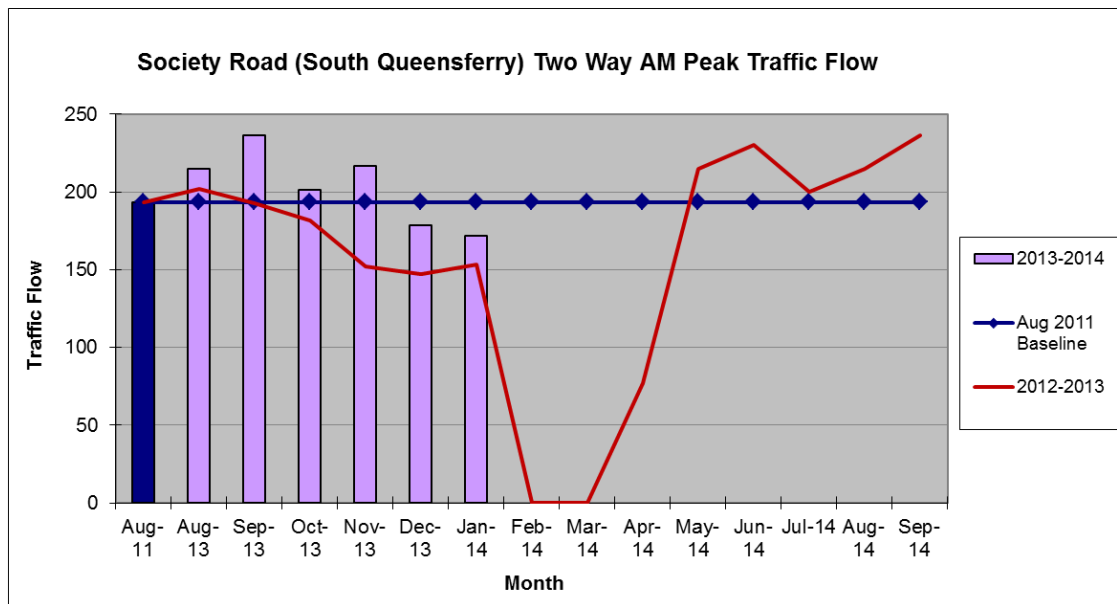


Figure 6-59 Monthly Two Way Daily Traffic Flows on the Society Road (South Queensferry)

### 6.9.2 Monthly Average AM and PM Peak Traffic Flows

**Table 6-34 Site: JTC00596 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00596	Society Road (South Queensferry)	Aug-11	194	305
		Aug-13	215	253
		Sep-13	237	282
		Oct-13	201	236
		Nov-13	217	315
		Dec-13	179	258
		Jan-14	172	252
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		<b>Annual Average</b>		203



**Figure 6-60 Monthly Eastbound AM Peak Flows on Society Road (South Queensferry)**

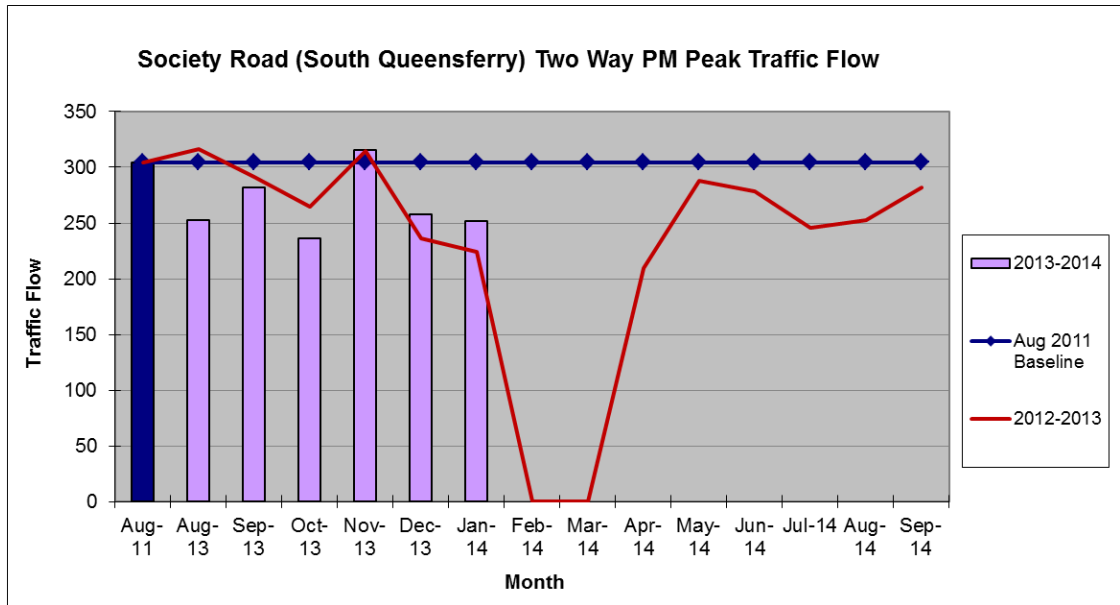


Figure 6-61 Monthly Two Way AM Peak Flows on the Society Road (South Queensferry)

### 6.9.3 Monthly Average HGV Flows

Table 6-35 Site: JTC00596 Annual HGV Traffic Flows – August 2013 to September 2014

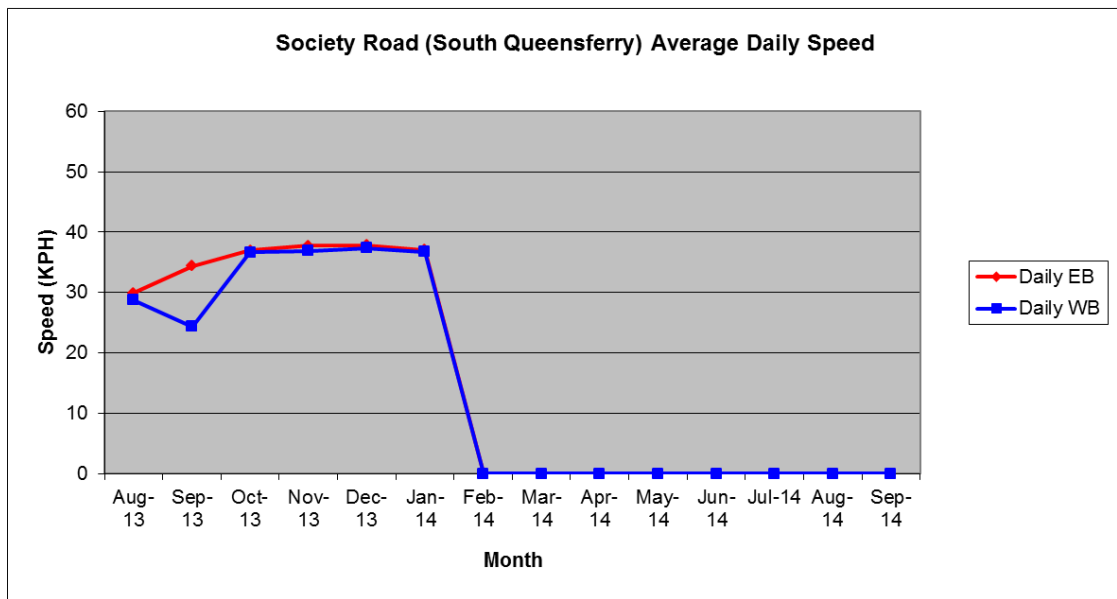
Counter	Location	Date	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	2
		Aug-13	2
		Sep-13	1
		Oct-13	0
		Nov-13	0
		Dec-13	0
		Jan-14	0
		Feb-14	No Data
		Mar-14	No Data
		Apr-14	No Data
		May-14	No Data
		Jun-14	No Data
		Jul-14	No Data
		Aug-14	No Data
		Sep-14	No Data
		<b>Annual Average</b>	No Data



### 6.9.4 Monthly Average All Vehicles Traffic Speeds

**Table 6-36 Site: JTC00596 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB	WB
JTC00596	Society Road (South Queensferry)	Aug-13	30	29
		Sep-13	34	24
		Oct-13	37	37
		Nov-13	38	37
		Dec-13	38	37
		Jan-14	37	37
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	No Data	No Data
		May-14	No Data	No Data
		Jun-14	No Data	No Data
		Jul-14	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data



**Figure 6-62 Average Monthly Traffic Speeds (KPH) on the Society Road (South Queensferry)**

## 6.10 Traffic Counter JTC00597 – Society Road (West of Port Edgar)

### 6.10.1 Monthly Average Traffic Flows

Table 3-6-37 Site: JTC00597 Annual Traffic Flows – August 2013 to September 2014

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (West of Port Edgar)	Aug-11	378	368	746
		Aug-13	324	323	648
		Sep-13	299	294	593
		Oct-13	223	219	442
		Nov-13	347	339	685
		Dec-13	No Data	No Data	No Data
		Jan-14	No Data	No Data	No Data
		Feb-14	No Data	No Data	No Data
		Mar-14	224	209	432
		Apr-14	323	315	638
		May-14	358	366	723
		Jun-14	332	328	659
		Jul-14	No Data	No Data	No Data
		Aug-14	335	327	662
		Sep-14	302	296	598
		<b>Annual Average</b>	<b>304</b>	<b>299</b>	<b>603</b>

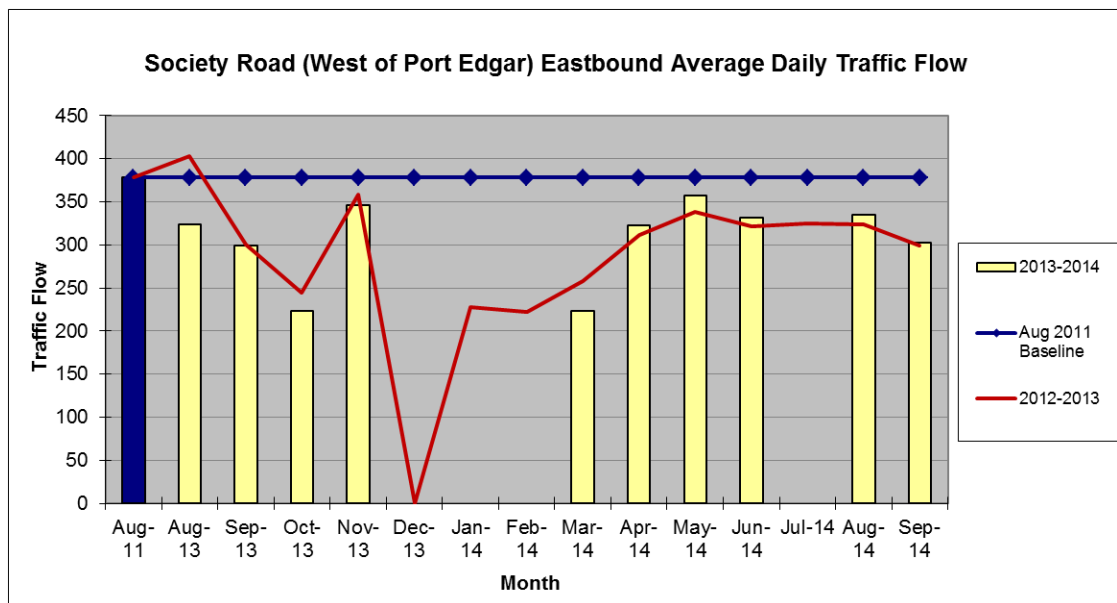


Figure 6-63 Monthly Eastbound AADTs on the Society Road (West of Port Edgar)

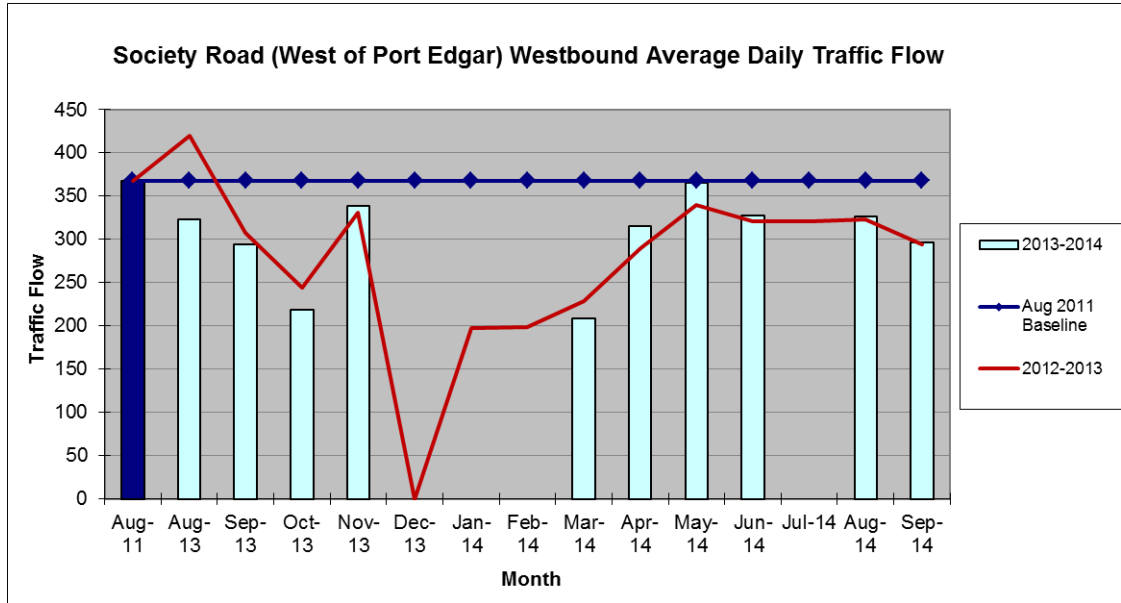


Figure 6-64 Monthly Westbound AADTs on the Society Road (West of Port Edgar)

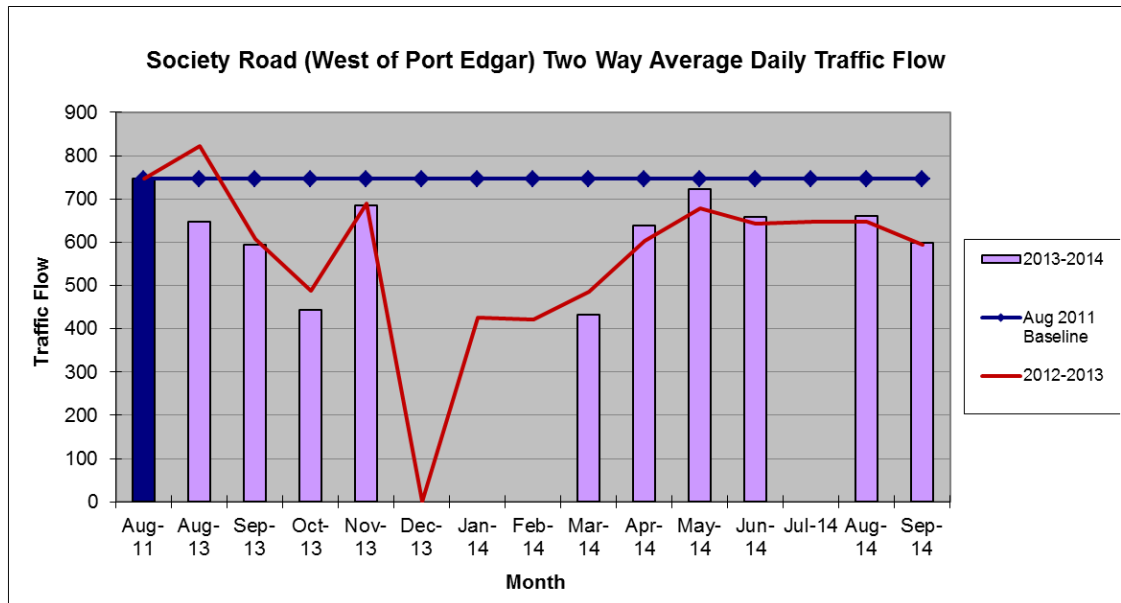
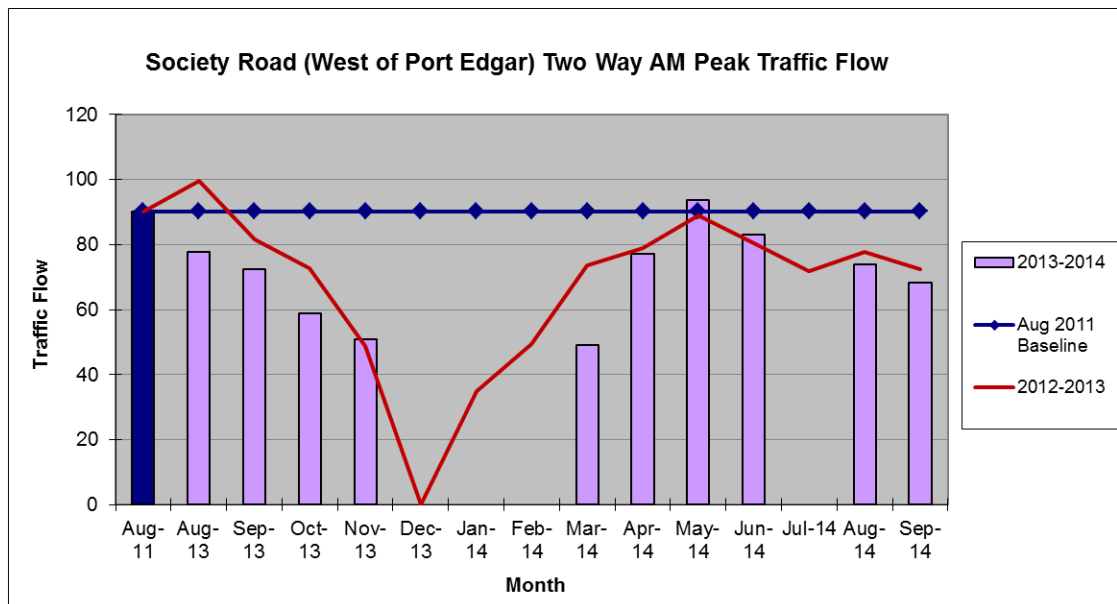


Figure 6-65 Monthly Two Way Daily Traffic Flows on the Society Road (West of Port Edgar)

### 6.10.2 Monthly Average AM and PM Peak Traffic Flows

**Table 6-38 Site: JTC00597 Monthly Two Way AM and PM Peak Traffic Flows – August 2013 to September 2014**

Counter	Location	Date	AM	PM
JTC00597	Society Road (West of Port Edgar)	Aug-11	90	137
		Aug-13	78	133
		Sep-13	73	128
		Oct-13	59	91
		Nov-13	51	157
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	49	103
		Apr-14	77	137
		May-14	94	143
		Jun-14	83	129
		Jul-14	No Data	No Data
		Aug-14	74	139
		Sep-14	68	129
		<b>Annual Average</b>	70	128



**Figure 6-66 Monthly Two Way AM Peak Flows on Society Road (West of Port Edgar)**

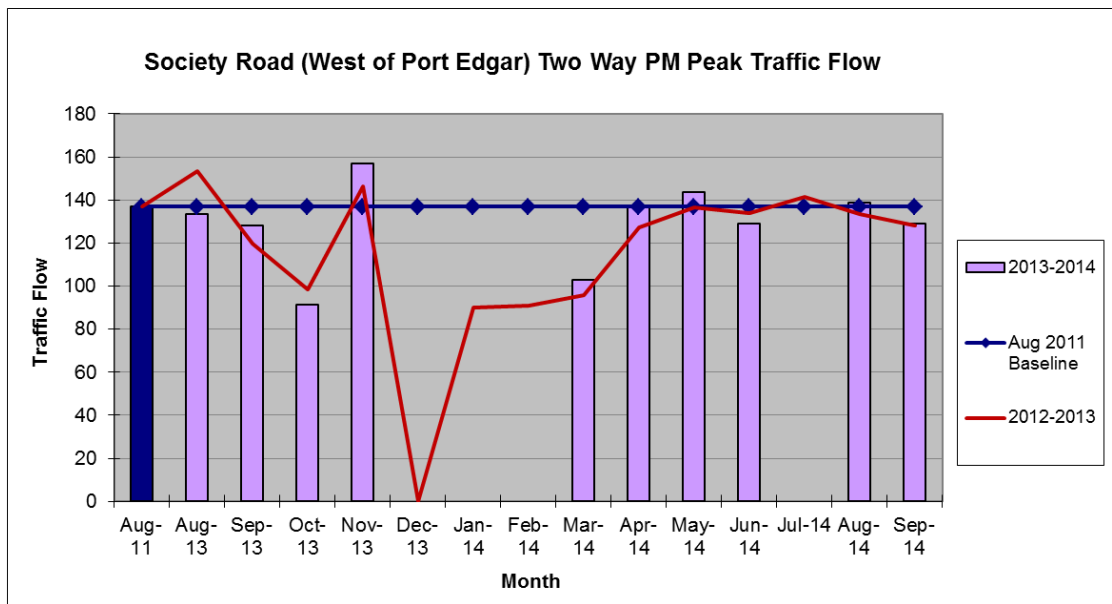


Figure 6-67 Monthly Two Way PM Peak Flows on the Society Road (West of Port Edgar)

### 6.10.3 Monthly Average HGV Flows

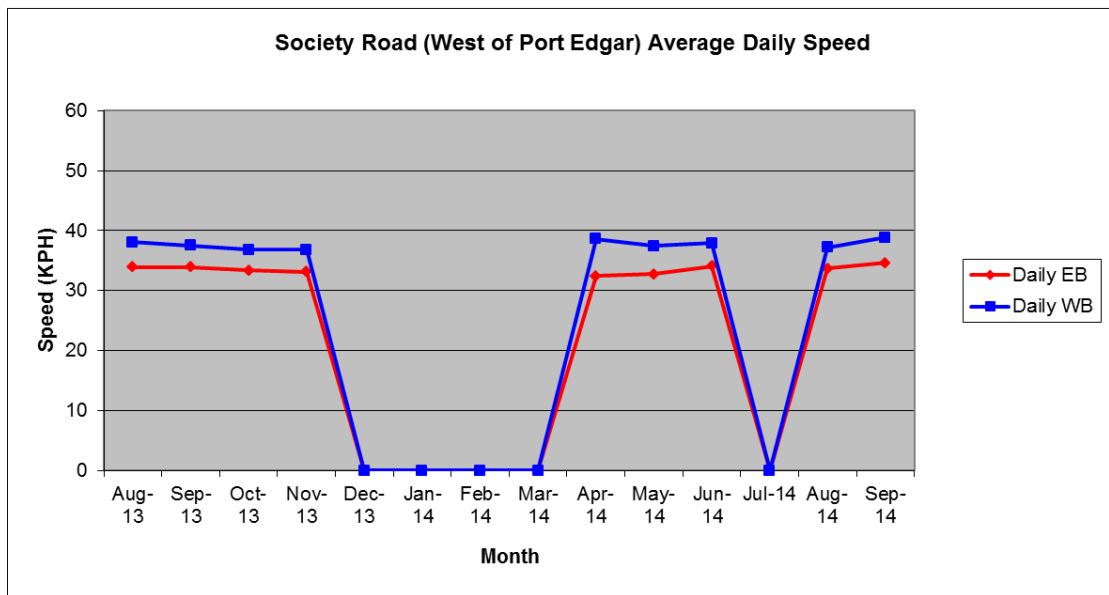
Table 6-39 Site: JTC00597 Annual HGV Traffic Flows – August 2013 to September 2014

Counter	Location	Date	Two Way
JTC00597	Society Road (West of Port Edgar)	Aug-11	1
		Aug-13	0
		Sep-13	1
		Oct-13	0
		Nov-13	0
		Dec-13	No Data
		Jan-14	No Data
		Feb-14	No Data
		Mar-14	0
		Apr-14	0
		May-14	1
		Jun-14	0
		Jul-14	No Data
		Aug-14	0
		Sep-14	0
		<b>Annual Average</b>	<b>No Data</b>

### 6.10.4 Monthly Average All Vehicles Traffic Speeds

**Table 6-40 Site: JTC00597 Average Monthly Traffic Speeds (KPH) (All Vehicles) – August 2013 to September 2014**

Counter	Location	Date	EB	WB
JTC00597	Society Road (West of Port Edgar)	Aug-13	34	38
		Sep-13	34	38
		Oct-13	33	37
		Nov-13	33	37
		Dec-13	No Data	No Data
		Jan-14	No Data	No Data
		Feb-14	No Data	No Data
		Mar-14	No Data	No Data
		Apr-14	32	39
		May-14	33	37
		Jun-14	34	38
		Jul-14	No Data	No Data
		Aug-14	34	37
		Sep-14	35	39



**Figure 6-68 Average Monthly Traffic Speeds (KPH) on the Society Road (West of Port Edgar)**

# 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.

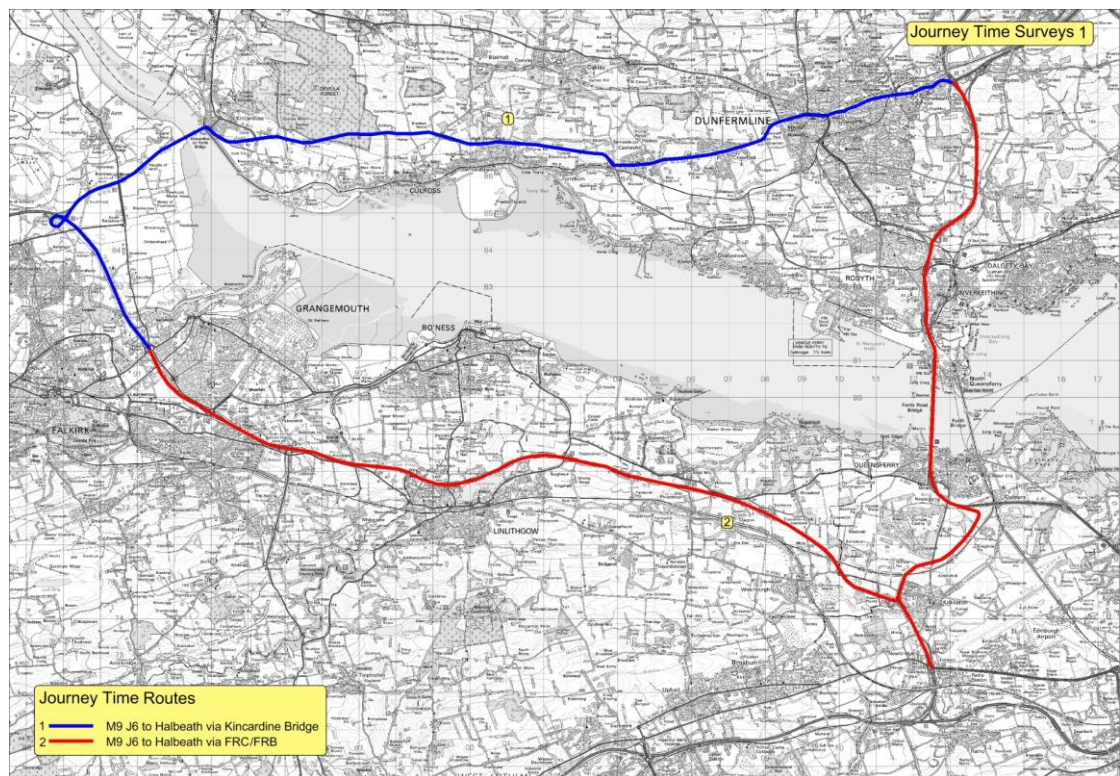


Figure 7-1 Strategic Journey Time Routes

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.



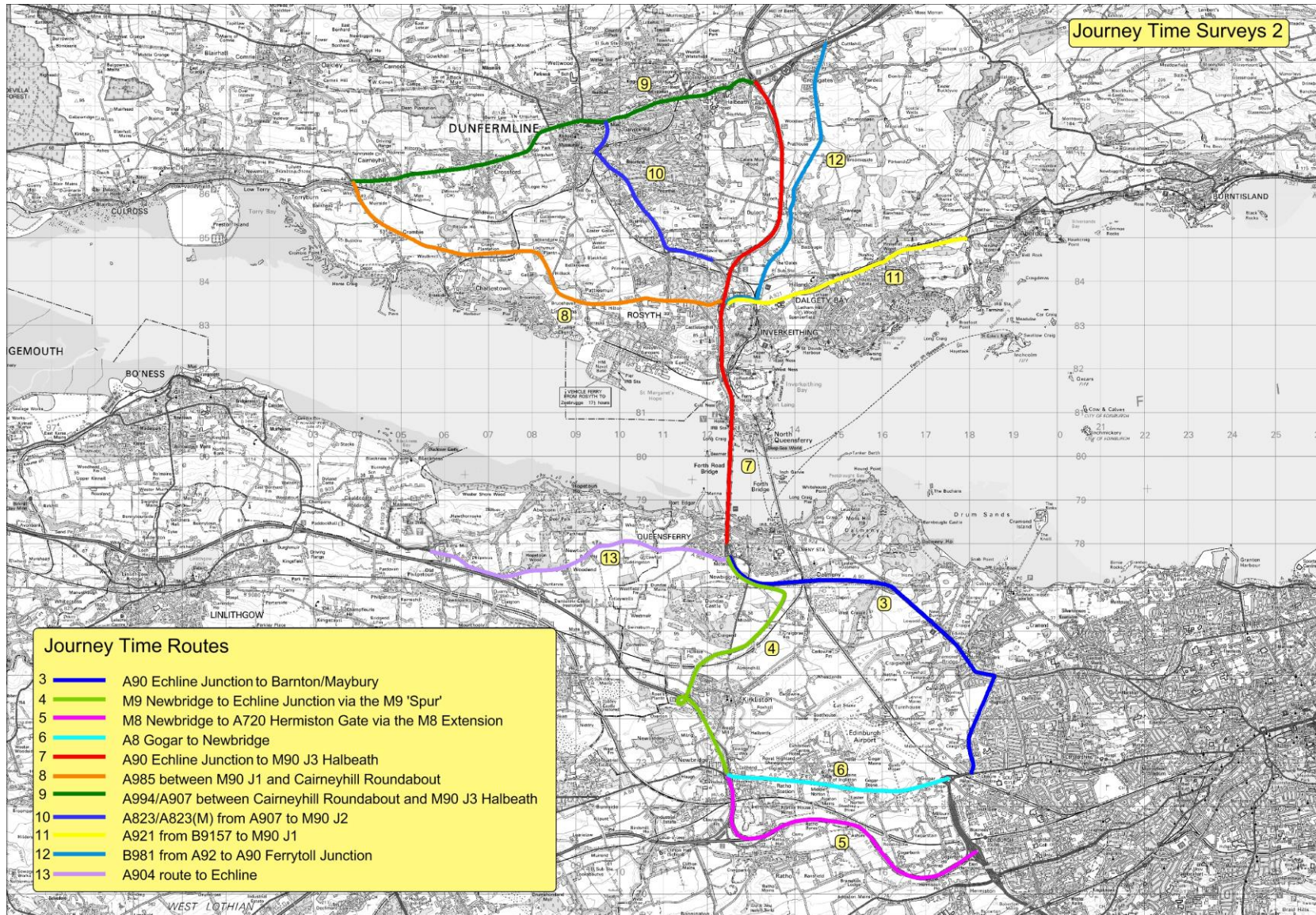


Figure 7-2 Local Journey Time Routes

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.

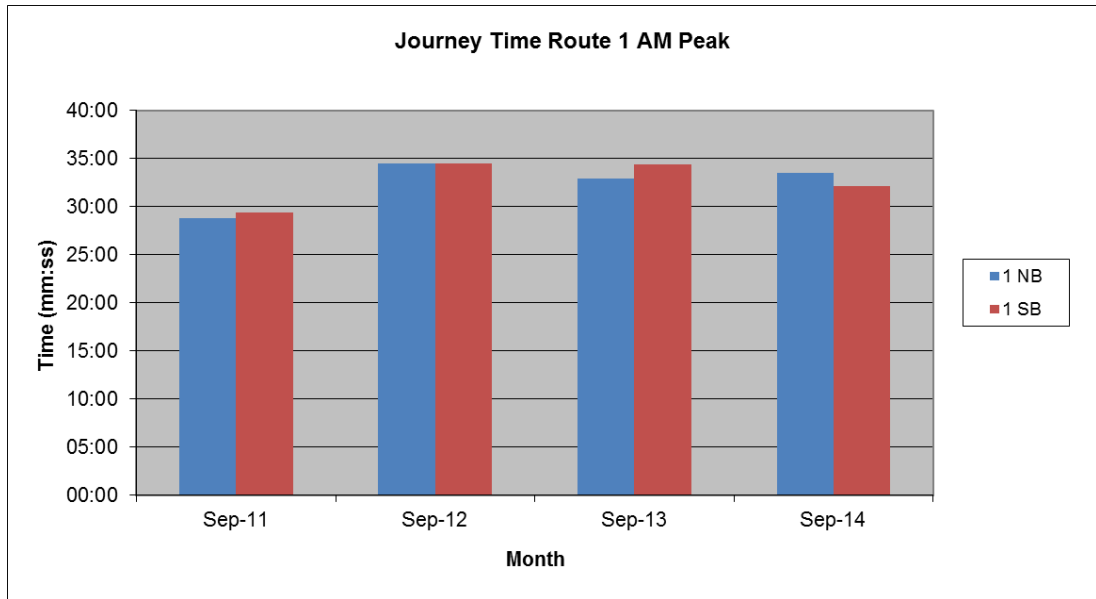
## 7.2 Route 1 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge



Figure 7-3 Route 1 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge

Table 7-1 Route 1 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge AM Peak

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 1 - M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge	Sep-13	4	30.2	00:32:55	2	29.2	00:34:25
	Oct-13	Not Surveyed					
	Nov-13	Not Surveyed					
	Dec-13	Not Surveyed					
	Jan-14	Not Surveyed					
	Feb-14	Not Surveyed					
	Mar-14	Not Surveyed					
	Apr-14	Not Surveyed					
	May-14	Not Surveyed					
	Jun-14	Not Surveyed					
	Jul-14	Not Surveyed					
	Aug-14	Not Surveyed					
Sep-14	4	30.4	00:33:33	4	29.2	00:32:07	



**Figure 7-4 Route 1 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge AM Peak**

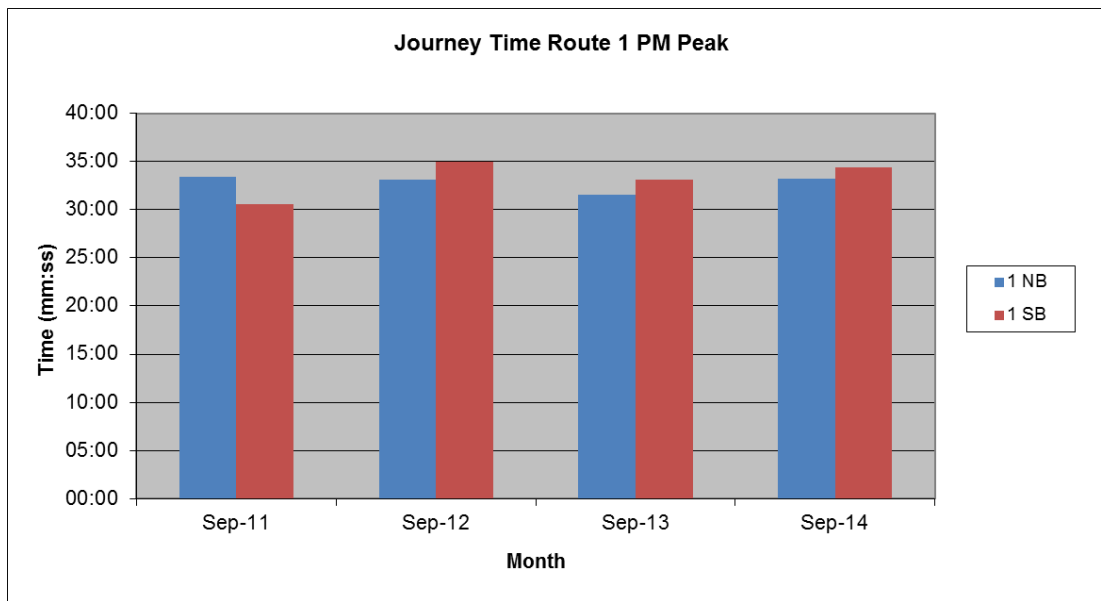
As shown in Figure 7-4, journey times decreased by approximately one and a half minutes in both the north and southbound directions, from September 2013 to September 2014 during the AM Peak. It should also be noted that journey times recorded in both directions in September 2014 increased compared to those recorded in September 2011.

Journey Time Route 9 forms the northern section of this route, between the A944/A985 Roundabout and Halbeath Junction. As route 9 is a local route, it is surveyed on a monthly basis. The surveys indicate a relatively high variation in journey times, particularly in the eastbound direction (northbound on Route 1), which is likely to be a result of congestion and queuing at junctions and traffic lights within Dunfermline and 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 HGVs that use the A985 between the A985/A944 Roundabout and the Kincardine Bridge, which can result in platooning along the section.

**Table 7-2 Route 1 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge PM Peak**

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 1 - M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge	Sep-13	3	30.2	00:31:31	5	29.2	00:33:05
	Oct-13	Not Surveyed					
	Nov-13	Not Surveyed					
	Dec-13	Not Surveyed					
	Jan-14	Not Surveyed					
	Feb-14	Not Surveyed					
	Mar-14	Not Surveyed					
	Apr-14	Not Surveyed					
	May-14	Not Surveyed					
	Jun-14	Not Surveyed					
	Jul-14	Not Surveyed					
	Aug-14	Not Surveyed					
	Sep-14	4	30.0	00:33:12	4	29.3	00:34:22

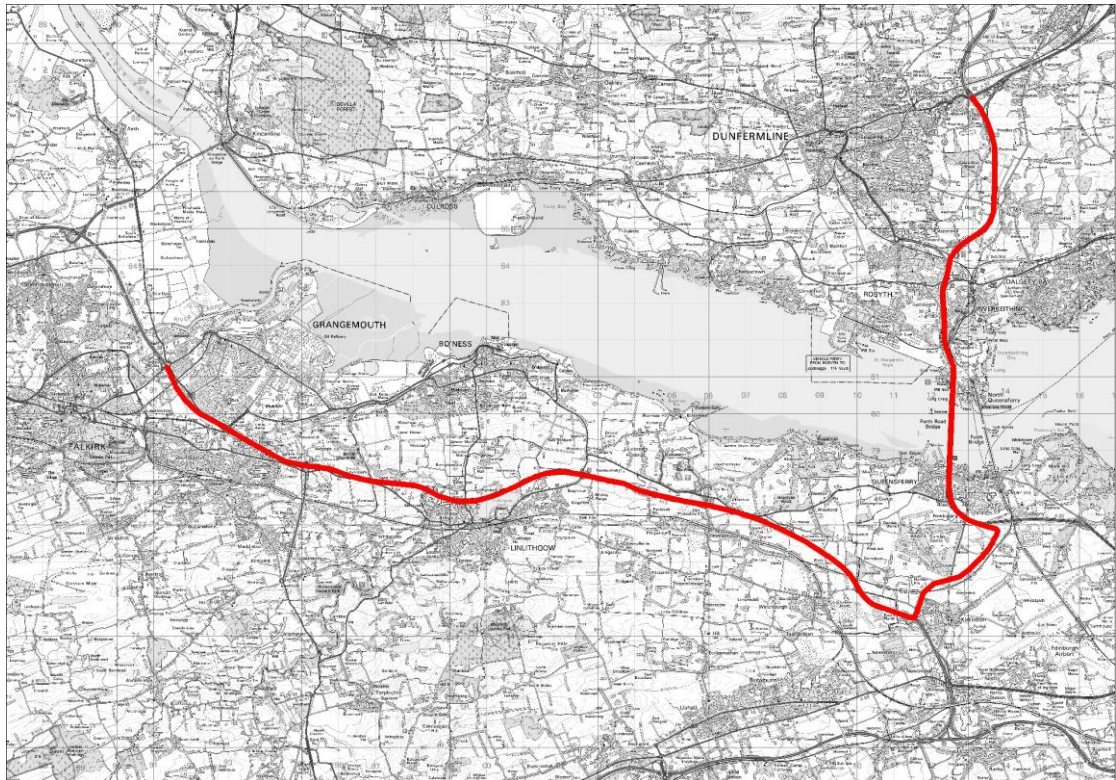


**Figure 7-5 Route 1 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge PM Peak**

As illustrated in Figure 7-5, the average journey time in the northbound direction increased by around one and a half minutes between September 2013 and September 2014 during the PM Peak. In the southbound direction, journey times increased from around 33 minutes in September 2013, to approximately 34 and a half minutes in September 2014.

In the northbound direction, journey times in September 2014 were comparable with those recorded in September 2011, whereas in the southbound direction, higher journey times were experienced in September 2014 compared to September 2011.

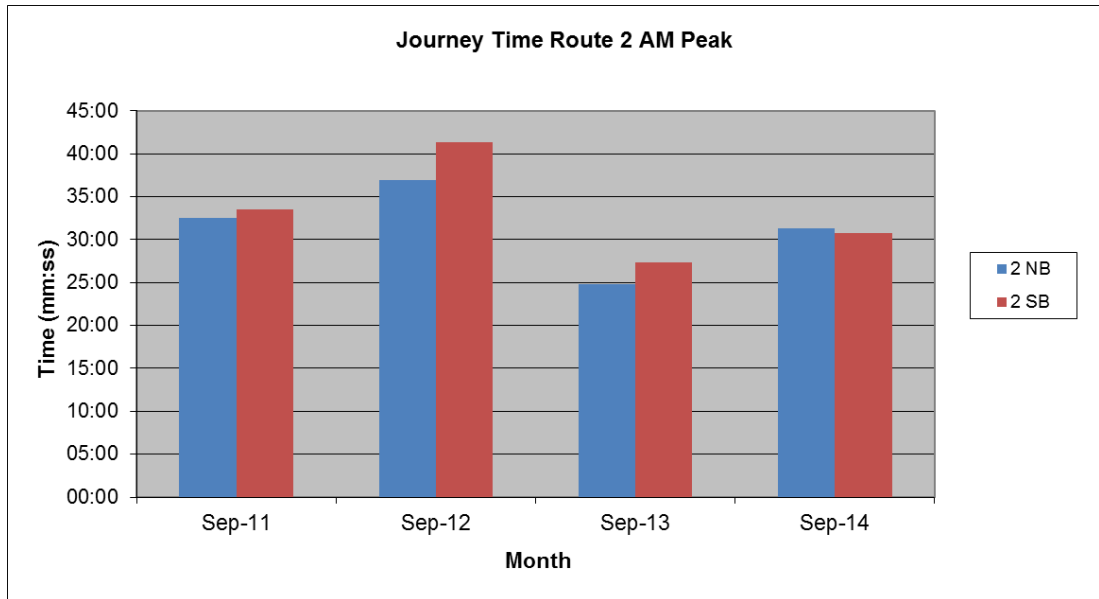
**7.3 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB**



**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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 2 - M9 Junction 6 to M90 Halbeath Junction via FRC / FRB	Sep-13	2	39.3	00:24:51	3	39.7	00:27:21
	Oct-13	Not Surveyed					
	Nov-13	Not Surveyed					
	Dec-13	Not Surveyed					
	Jan-14	Not Surveyed					
	Feb-14	Not Surveyed					
	Mar-14	Not Surveyed					
	Apr-14	Not Surveyed					
	May-14	Not Surveyed					
	Jun-14	Not Surveyed					
	Jul-14	Not Surveyed					
	Aug-14	Not Surveyed					
	Sep-14	4	38.8	00:31:22	3	40.1	00:30:43



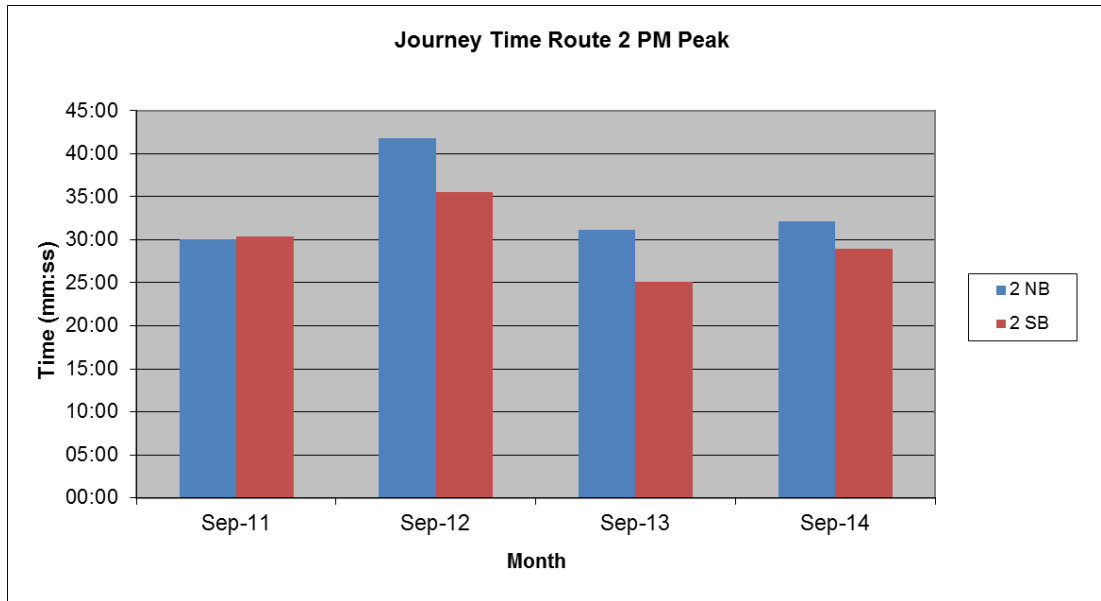
**Figure 7-7 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB AM Peak**

In the AM Peak, the journey time increased by approximately seven minutes and three minutes in the north and southbound directions respectively, from September 2013 to September 2014. The increase in the northbound journey time is influenced by one survey which was recorded at 41 minutes and was a result of slow traffic approaching the Forth Road Bridge.

The pre-construction journey times (September 2011) on strategic Route 2 are higher by approximately one minute in the northbound direction, and three minutes in the southbound direction compared to those recorded in September 2014.

**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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 2 - M9 Junction 6 to M90 Halbeath Junction via FRC / FRB	Sep-13	3	38.2	00:31:11	2	38.1	00:25:05
	Oct-13	Not Surveyed					
	Nov-13	Not Surveyed					
	Dec-13	Not Surveyed					
	Jan-14	Not Surveyed					
	Feb-14	Not Surveyed					
	Mar-14	Not Surveyed					
	Apr-14	Not Surveyed					
	May-14	Not Surveyed					
	Jun-14	Not Surveyed					
	Jul-14	Not Surveyed					
	Aug-14	Not Surveyed					
	Sep-14	4	39.8	00:32:07	4	40.0	00:28:59



**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 increased by approximately one minute in the northbound direction and four minutes in the southbound direction between September 2013 and September 2014 during the PM Peak. September 2014 journey times increased by approximately two minutes in the northbound direction compared to September 2011 times, but decreased by approximately one and a half minutes in the southbound direction.



### 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	Eastbound			Westbound		
		No. of Runs	Ave. Distance (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 3 - A90 Echline Junction to Maybury Junction	Sep-13	1	8.8	00:18:50	1	8.8	00:11:28
	Oct-13	1	8.9	00:13:53	1	8.9	00:07:31
	Nov-13	1	9.0	00:22:11	1	8.8	00:09:43
	Dec-13	1	9.0	00:19:18	1	8.9	00:09:30
	Jan-14	1	9.0	00:21:02	1	8.9	00:07:45
	Feb-14	1	9.0	00:18:38	1	8.8	00:07:48
	Mar-14	1	9.0	00:24:36	1	8.8	00:07:50
	Apr-14	1	9.0	00:12:49	1	8.8	00:07:41
	May-14	1	9.0	00:23:02	1	8.8	00:08:02
	Jun-14	1	9.0	00:31:25	1	8.8	00:07:31
	Jul-14	1	9.0	00:14:20	1	8.8	00:06:58
	Aug-14	1	9.0	00:15:30	1	8.8	00:07:17
Sep-14	1	9.0	00:17:06	1	8.8	00:08:39	

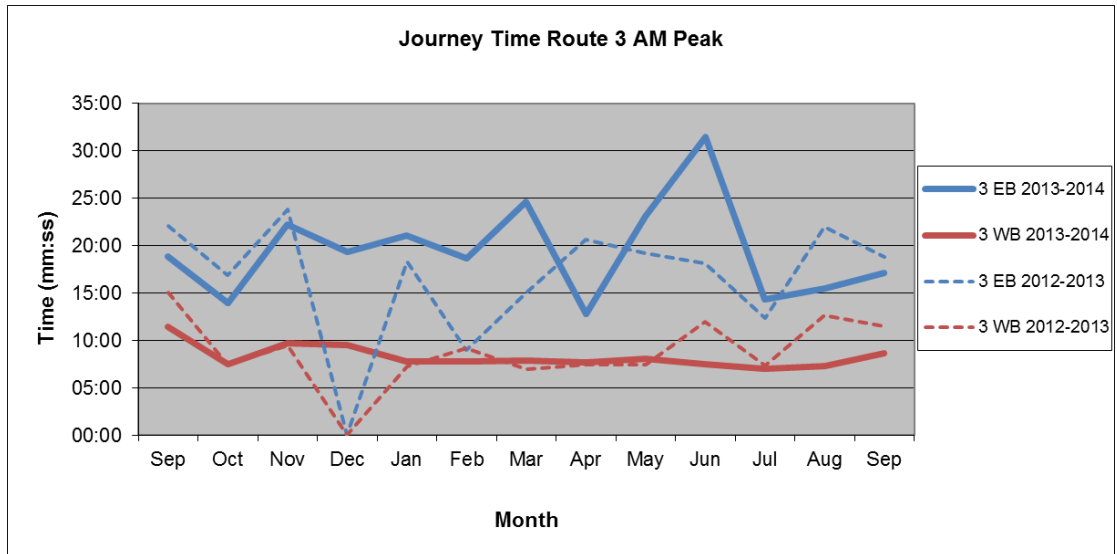


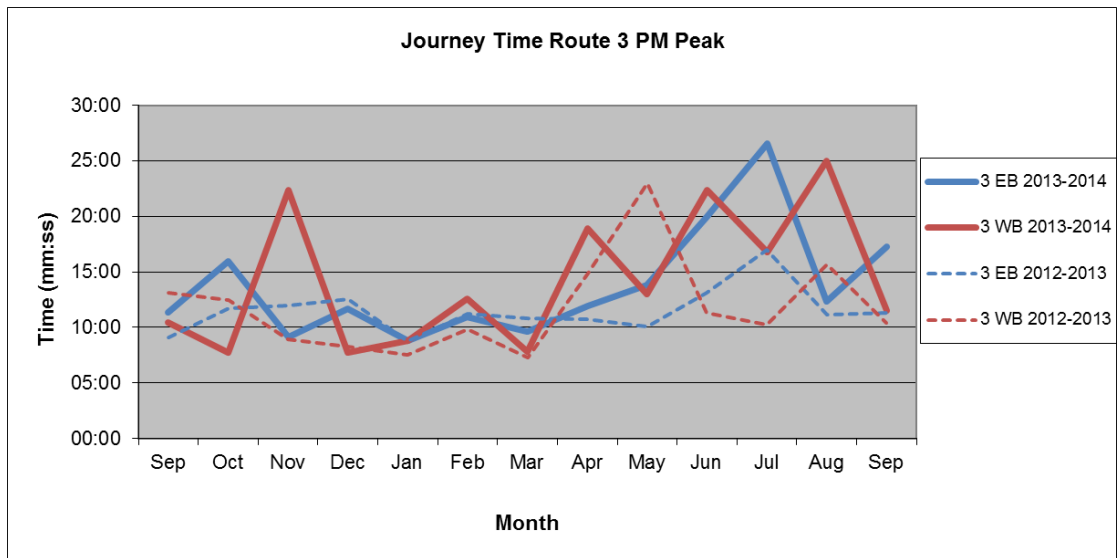
Figure 7-10 Route 3 A90 Echline Junction to Maybury Junction AM Peak

In the AM Peak, there was a high degree of variation in journey times in the southbound direction, with a particularly high journey time recorded in June. The surveyors recorded congestion on the approach to the Barnton and Maybury junctions in the majority of months. On the occasions when the journey times were increased, the congestion was noted to have extended back onto the A90, with particularly slow moving traffic on the A90 experienced in June.

In the northbound direction, journey times were consistent throughout the 2013-2014 period, generally seven to ten minutes, with the exception of September 2013, where the journey time was slightly higher. Queuing has been experienced on the approach to Barnton junction and the approach to the merge with the M9 Spur, which explains some of the variation in journey times, however this route is generally free flowing in the AM Peak.

Table 7-6 Route 3 A90 Echline Junction to Maybury Junction PM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 3 - A90 Echline Junction to Maybury Junction	Sep-13	1	9.0	00:11:21	1	8.9	00:10:25
	Oct-13	1	9.0	00:15:58	1	8.8	00:07:45
	Nov-13	1	9.0	00:09:07	1	8.9	00:22:20
	Dec-13	1	9.0	00:11:42	1	8.8	00:07:45
	Jan-14	1	9.0	00:08:49	1	8.8	00:08:50
	Feb-14	1	9.0	00:10:58	1	8.8	00:12:34
	Mar-14	1	9.0	00:09:40	1	8.8	00:07:51
	Apr-14	1	9.0	00:11:54	1	8.9	00:18:55
	May-14	1	9.0	00:13:48	1	8.9	00:13:01
	Jun-14	1	9.0	00:19:57	1	8.9	00:22:20
	Jul-14	1	8.9	00:26:34	1	8.9	00:16:48
	Aug-14	1	9.0	00:12:18	1	8.9	00:25:02
Sep-14	1	9.0	00:17:14	1	8.7	00:11:30	



**Figure 7-11 Route 3 A90 Echline Junction to Maybury Junction PM Peak**

During the PM Peak within the 2013-2014 dataset, there was a high degree of variation between journey times, particularly in the northbound direction, ranging from approximately eight minutes in October to just over 25 minutes in August.

In the southbound direction, journey times ranged from just under nine minutes in January, to over 26 minutes in June. Journey times were generally higher and slightly less consistent in 2013-2014 compared to 2012-2013.

Similar congestion issues were noted as the AM Peak, with queuing experienced on approach to Barnton junction in both directions, on approach to Maybury junction when travelling southbound and on approach to the merge with the M9 Spur when travelling northbound.

## 7.5 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur

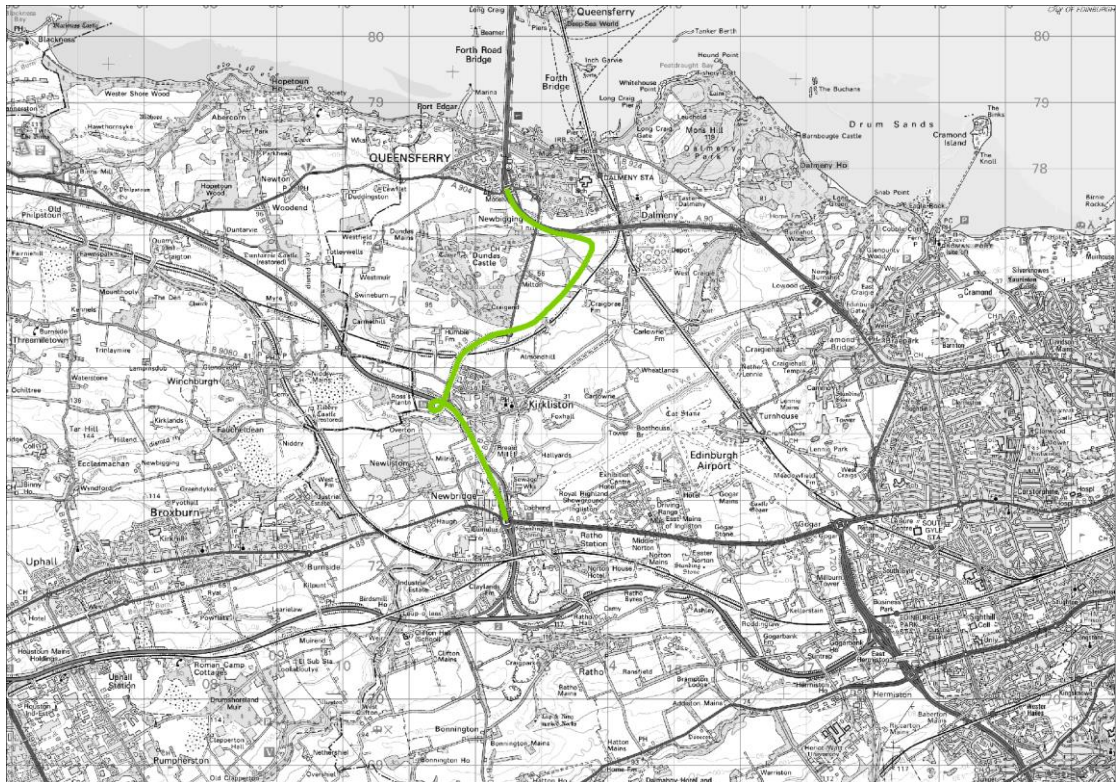
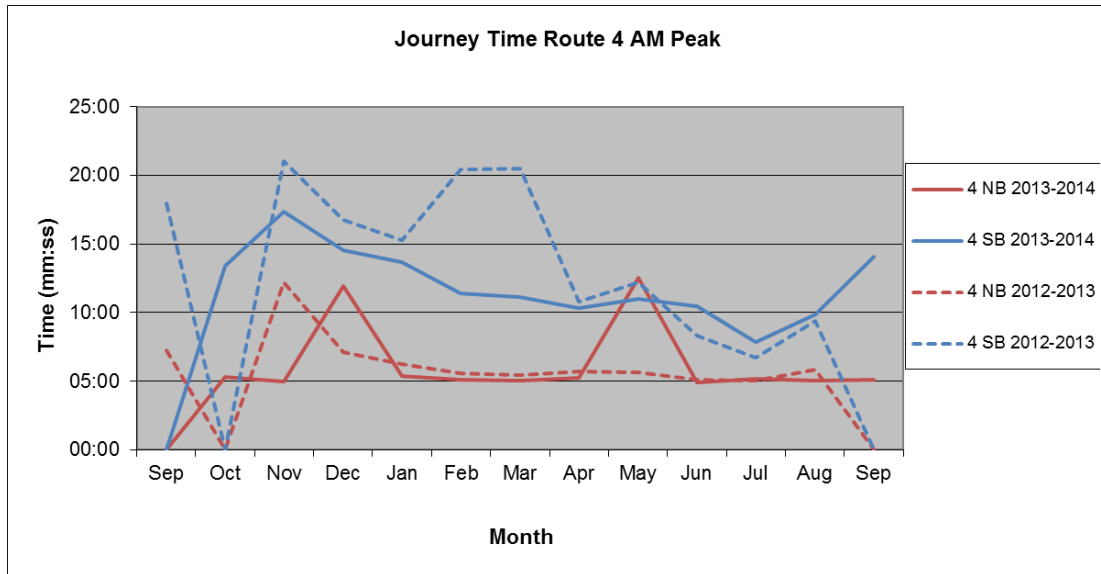


Figure 7-12 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur

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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 4 - M9 Newbridge Junction to Echline Junction via the M9 Spur	Sep-13	Not Surveyed					
	Oct-13	1	7.4	00:05:20	1	6.9	00:13:26
	Nov-13	1	7.5	00:05:00	1	6.9	00:17:21
	Dec-13	1	7.4	00:11:54	1	6.9	00:14:32
	Jan-14	1	7.5	00:05:23	1	6.9	00:13:39
	Feb-14	1	7.5	00:05:08	1	6.9	00:11:22
	Mar-14	1	7.4	00:05:01	1	6.9	00:11:06
	Apr-14	1	7.5	00:05:16	1	6.9	00:10:19
	May-14	1	7.4	00:12:32	1	6.9	00:10:59
	Jun-14	1	7.4	00:04:56	1	6.9	00:10:29
	Jul-14	1	7.5	00:05:12	1	6.9	00:07:52
	Aug-14	1	7.4	00:05:02	1	6.9	00:09:50
Sep-14	1	7.4	00:05:07	1	6.9	00:14:04	



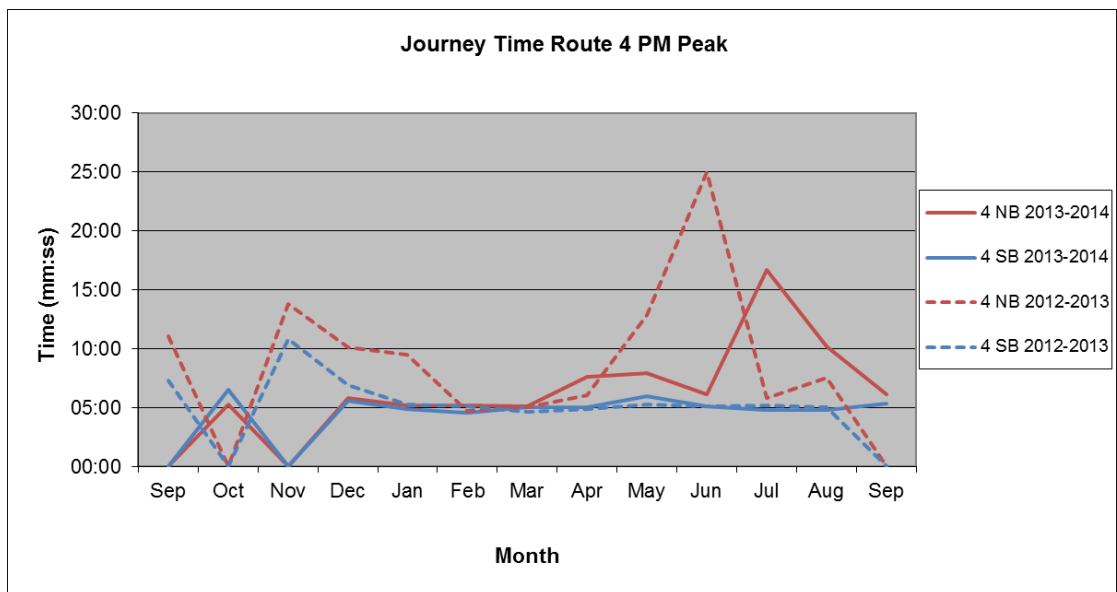
**Figure 7-13 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur AM Peak**

From review of Figure 7-13, the southbound journey times were generally higher compared to the northbound journey times during the AM Peak. The southbound journey times in 2013-2014 were slightly lower and more consistent than those recorded in 2012-2013, ranging from a low of just under eight minutes in July, to 17 minutes in November. The increased journey time in November was due to very heavy traffic from Junction 1A to Newbridge Roundabout, with queues extending back onto the M9 Spur.

In the northbound direction, journey times were generally consistent with the surveyed time being approximately five minutes for the majority of months. In December and May, the journey time increases to approximately 12 minutes as a result of slow moving traffic on approach to the Forth Road Bridge. The reason for this congestion is not always clear, however in December, it may have been a result of a breakdown on the northbound carriage of the FRB earlier in the day.

**Table 7-8 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur PM Peak**

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 4 - M9 Newbridge Junction to Echline Junction via the M9 Spur	Sep-13	Not Surveyed					
	Oct-13	1	7.5	00:05:15	1	6.9	00:06:32
	Nov-13	Not Surveyed					
	Dec-13	1	7.4	00:05:51	1	6.9	00:05:35
	Jan-14	1	7.5	00:05:12	1	6.9	00:04:54
	Feb-14	1	7.5	00:05:12	1	6.9	00:04:35
	Mar-14	1	7.4	00:05:09	1	6.9	00:05:02
	Apr-14	1	7.4	00:07:39	1	6.9	00:05:01
	May-14	1	7.4	00:07:58	1	6.9	00:05:57
	Jun-14	1	7.4	00:06:09	1	6.9	00:05:06
	Jul-14	1	7.5	00:16:44	1	6.9	00:04:49
	Aug-14	1	7.5	00:10:11	1	6.9	00:04:48
	Sep-14	1	7.4	00:06:08	1	6.9	00:05:22



**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 in the AM Peak in the northbound direction, at approximately five minutes. This is broadly in line with the journey times experienced during the 2012-2013 surveys, and is representative of the journey time for this route when there is no congestion.

In the northbound direction, journey times were generally lower and more consistent than in 2012-2013, with an approximate range of five to eight minutes, with the exception of July and August, where higher journey times of over 16 minutes and 10 minutes respectively were recorded. This relatively high journey time was most likely due to heavy congestion and slow moving traffic from the M9 Spur to the Forth Road Bridge.

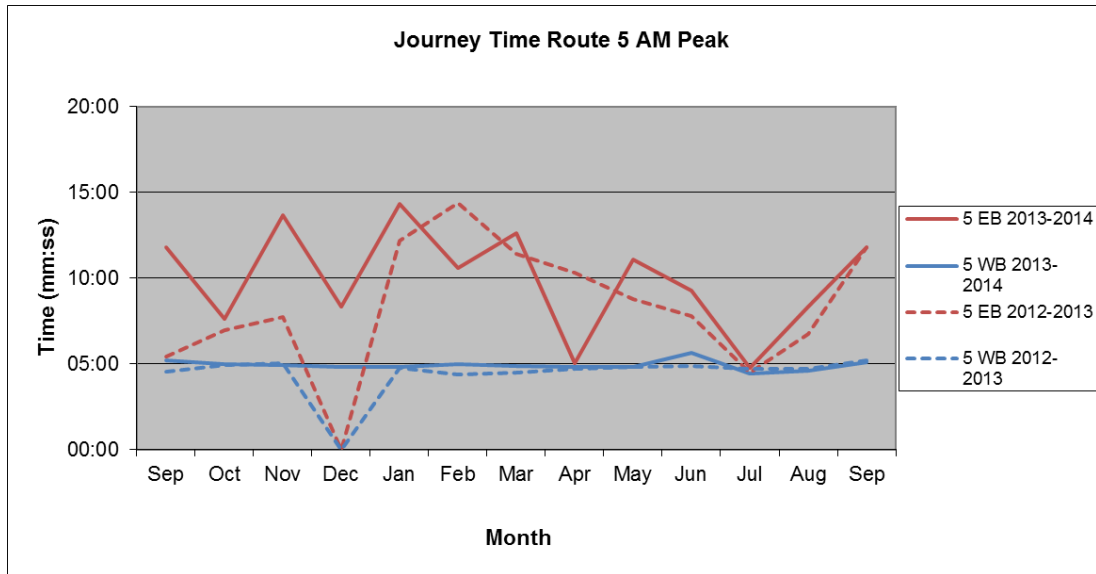
## 7.6 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8



Figure 7-15 Route 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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 5 - Newbridge Junction to the A720 Hermiston Gait via the M9/M8	Sep-13	1	7.1	00:11:49	1	7.4	00:05:12
	Oct-13	1	7.0	00:07:38	1	7.4	00:04:58
	Nov-13	1	7.1	00:13:40	1	7.4	00:04:56
	Dec-13	1	7.1	00:08:20	1	7.4	00:04:49
	Jan-14	1	7.1	00:14:19	1	7.4	00:04:49
	Feb-14	1	7.2	00:10:36	1	7.4	00:04:58
	Mar-14	1	7.1	00:12:38	1	7.4	00:04:53
	Apr-14	1	7.2	00:05:02	1	7.4	00:04:49
	May-14	1	7.1	00:11:05	1	7.4	00:04:50
	Jun-14	1	7.2	00:09:17	1	7.4	00:05:37
	Jul-14	1	7.2	00:04:46	1	7.4	00:04:27
	Aug-14	1	7.2	00:08:20	1	7.4	00:04:35
Sep-14	1	7.1	00:11:49	1	7.4	00:05:04	



**Figure 7-16 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8 AM Peak**

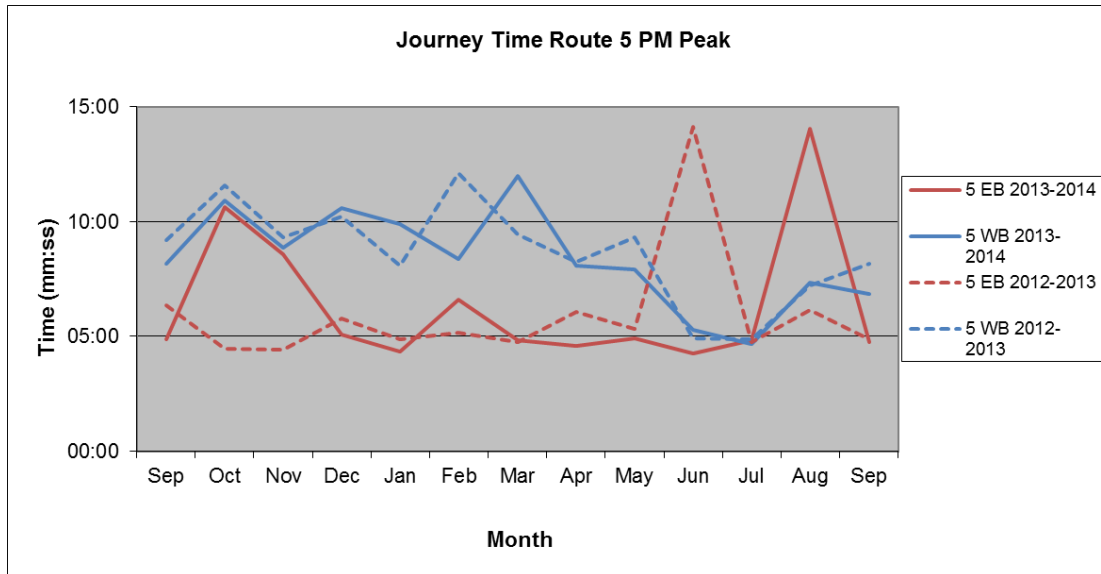
As shown in Figure 7-16, journey times were generally higher and less consistent in the eastbound direction compared to the westbound direction in the AM Peak in 2013-2014. There were relatively high journey times recorded in November, January, March, and September 2014, all of which were due the volume of traffic travelling into Edinburgh. The route tends to be congested on the M9 to M8 slip road, on the M8 itself and on approach to Hermiston Gait, however congestion was also noted on the M9 approaching the M8 during the surveys.

In the westbound direction, journey times were consistent throughout the reporting period, recorded at approximately five minutes in duration.

**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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 5 - Newbridge Junction to the A720 Hermiston Gait via the M9/M8	Sep-13	1	7.2	00:04:53	1	7.4	00:08:10
	Oct-13	1	6.9	00:10:38	1	7.3	00:10:56
	Nov-13	1	7.2	00:08:34	1	7.3	00:08:52
	Dec-13	1	7.2	00:05:04	1	7.4	00:10:34
	Jan-14	1	7.1	00:04:21	1	7.4	00:09:54
	Feb-14	1	7.1	00:06:36	1	7.1	00:08:22
	Mar-14	1	7.1	00:04:49	1	7.3	00:12:00
	Apr-14	1	7.0	00:04:36	1	7.4	00:08:05
	May-14	1	7.2	00:04:55	1	7.3	00:07:56
	Jun-14	1	7.1	00:04:16	1	7.4	00:05:17
	Jul-14	1	7.2	00:04:50	1	7.4	00:04:40
	Aug-14	1	7.1	00:14:02	1	7.4	00:07:21
Sep-14	1	7.4	00:04:46	1	7.4	00:06:51	





**Figure 7-17 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8 PM Peak**

As demonstrated in Figure 7-17, journey times were generally found to be higher in the westbound direction compared to the eastbound direction during the 2013-2014 PM Peak. Westbound journey times vary from around five minutes in July, to 12 minutes in March. In the PM Peak, the heaviest flow is leaving Edinburgh, on the M8 westbound. This leads to congestion and is the reason for the variation in journey times.

In the eastbound direction, journey times vary from under five minutes in a number of months, to over 14 minutes in August. Increased eastbound journey times in October and August are likely due to heavy traffic and congestion on the M8 towards Hermiston Gait. This appears to be unusual for the PM peak, as the majority of the surveys are around four to five minutes.

### 7.7 Route 6 A8 Gogar Junction to Newbridge Junction

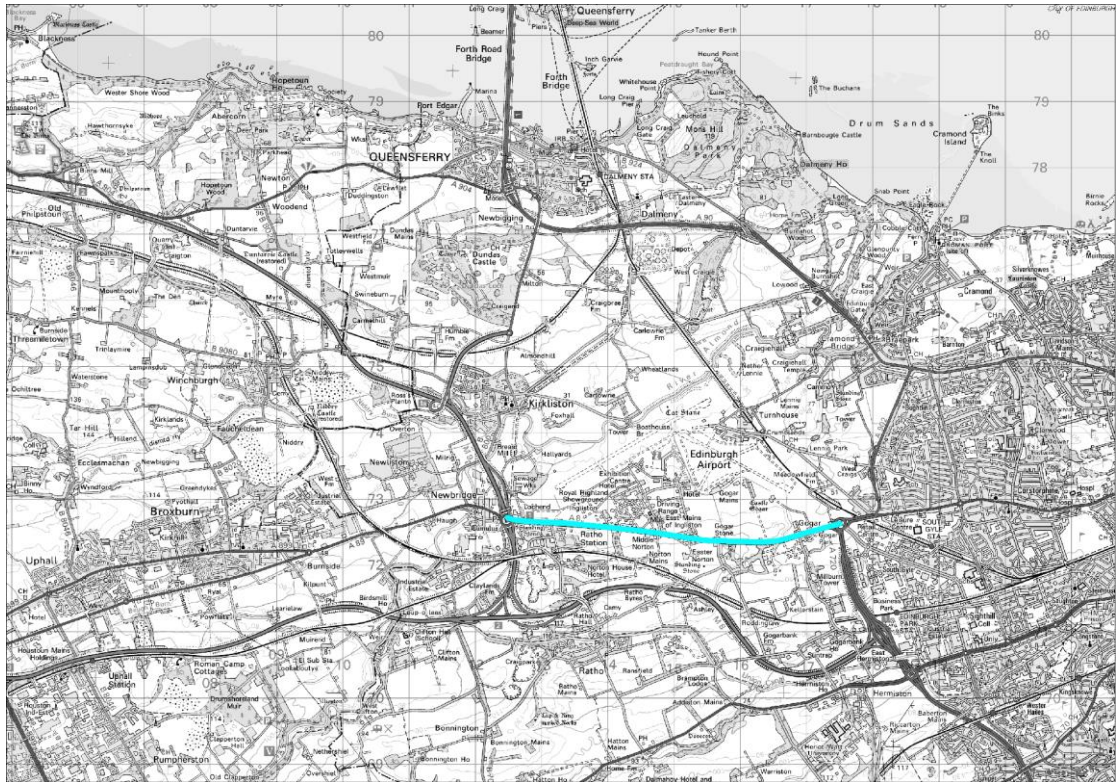


Figure 7-18 Route 6 A8 Gogar Junction to Newbridge Junction

Table 7-11 Route 6 A8 Gogar Junction to Newbridge Junction AM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 6 - A8 Gogar Junction to Newbridge Junction	Sep-13	1	4.6	00:04:18	1	4.5	00:04:15
	Oct-13	1	4.6	00:03:45	1	4.5	00:03:47
	Nov-13	1	4.6	00:05:27	1	4.5	00:04:06
	Dec-13	1	4.6	00:03:50	1	4.5	00:03:37
	Jan-14	1	4.6	00:05:49	1	4.5	00:03:49
	Feb-14	1	4.6	00:12:37	1	4.5	00:03:55
	Mar-14	1	4.6	00:04:43	1	4.5	00:03:57
	Apr-14	1	4.6	00:04:02	1	4.5	00:03:43
	May-14	1	4.6	00:04:49	1	4.5	00:03:39
	Jun-14	1	4.6	00:06:14	1	4.5	00:03:53
	Jul-14	1	4.6	00:04:17	1	4.5	00:03:25
	Aug-14	1	4.6	00:04:11	1	4.5	00:03:38
Sep-14	1	4.6	00:06:56	1	4.5	00:04:12	

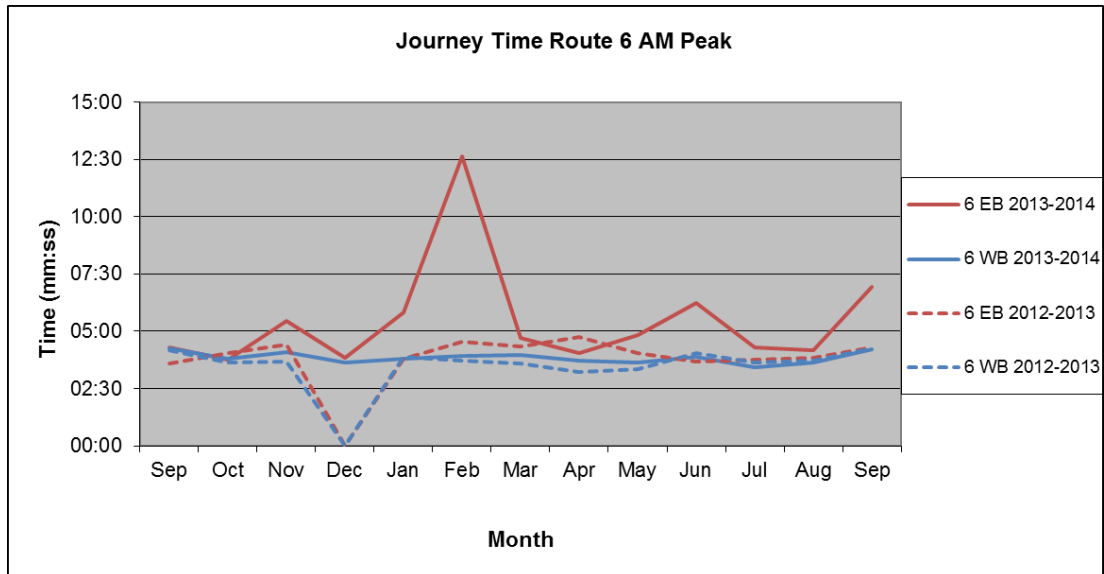
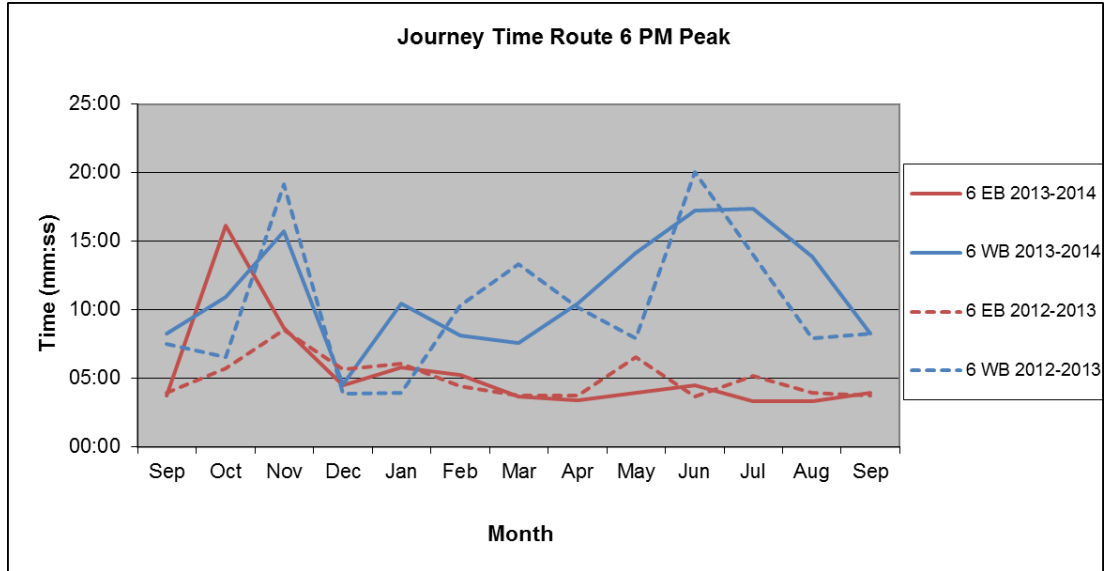


Figure 7-19 Route 6 A8 Gogar Junction to Newbridge Junction AM Peak

Journey times in the westbound direction during the AM Peak were generally consistent, with all times falling within the range of three to five minutes. In the eastbound direction, journey times ranged from under four minutes, to almost 13 minutes. The abnormally high journey time recorded in February was a result of heavy congestion experienced along the A8.

Table 7-12 Route 6 A8 Gogar Junction to Newbridge Junction PM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 6 - A8 Gogar Junction to Newbridge Junction	Sep-13	1	4.6	00:03:45	1	4.5	00:08:15
	Oct-13	1	4.6	00:16:09	1	4.5	00:10:57
	Nov-13	1	4.6	00:08:40	1	4.5	00:15:42
	Dec-13	1	4.6	00:04:28	1	4.5	00:04:32
	Jan-14	1	4.6	00:05:48	1	4.5	00:10:27
	Feb-14	1	4.6	00:05:15	1	4.5	00:08:07
	Mar-14	1	4.6	00:03:42	1	4.5	00:07:35
	Apr-14	1	4.6	00:03:26	1	4.6	00:10:28
	May-14	1	4.6	00:03:57	1	4.5	00:14:09
	Jun-14	1	4.6	00:04:29	1	4.5	00:17:14
	Jul-14	1	4.6	00:03:22	1	4.6	00:17:22
	Aug-14	1	4.6	00:03:22	1	4.5	00:13:52
	Sep-14	1	4.6	00:03:59	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 highly variable in the 2013-2014 PM Peak dataset, ranging from just under four minutes to over 17 minutes. Particularly high journey times were recorded in November, June and in July as a result of congestion and slow moving traffic on the A8. Traffic was found to be slow moving in a number of the survey months, particularly between the Airport and Newbridge Junction.

In the eastbound direction, journey times were slightly more reliable, with times in the range of approximately three to six minutes. Higher journey times were recorded in October and November due to congestion on the A8. Queuing and congestion was experienced on the approach to Gogar Roundabout during several of the survey months throughout 2013-2014.

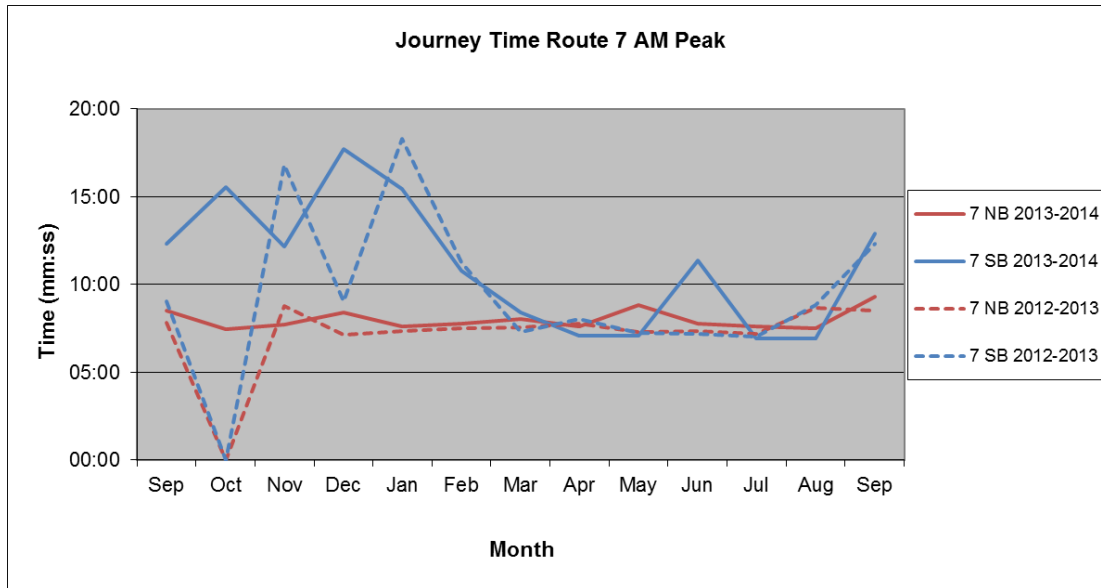
7.8 Route 7 A90 Echline Junction to the M90 Halbeath Junction



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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 7 - A90 Echline Junction to the M90 Halbeath Junction	Sep-13	4	11.0	00:08:32	3	10.9	00:12:19
	Oct-13	1	10.9	00:07:27	1	10.9	00:15:34
	Nov-13	1	11.0	00:07:44	1	10.9	00:12:10
	Dec-13	1	11.0	00:08:25	1	10.9	00:17:44
	Jan-14	1	11.0	00:07:37	1	10.9	00:15:28
	Feb-14	1	11.0	00:07:45	1	10.9	00:10:47
	Mar-14	1	11.0	00:08:02	1	10.9	00:08:24
	Apr-14	1	11.0	00:07:36	1	10.9	00:07:05
	May-14	1	11.0	00:08:50	1	10.9	00:07:05
	Jun-14	1	11.0	00:07:45	1	10.9	00:11:21
	Jul-14	1	11.0	00:07:36	1	10.8	00:06:57
	Aug-14	1	11.0	00:07:32	1	10.9	00:06:54
Sep-14	4	11.0	00:09:20	4	10.9	00:12:54	



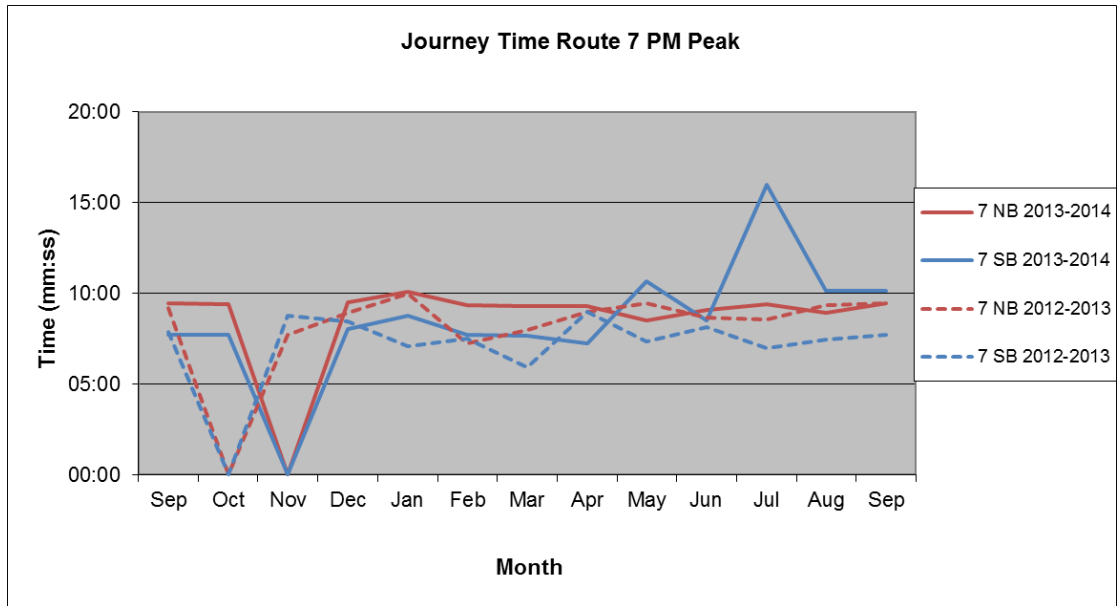
**Figure 7-22 Route 7 A90 Echline Junction to the M90 Halbeath Junction AM Peak**

Northbound journey times were found to be relatively consistent during the AM Peak within the 2013-2014 dataset, with journey times ranging from seven to nine minutes.

In the southbound direction, journey times fluctuate, with high journey times being recorded in October, November, December and June. The increase in journey times is due to congestion on approach to the Forth Road Bridge. The reason for this increased congestion is unclear, as traffic flows appear to have reduced slightly in October, November and December. There is therefore no evidence to suggest that an increase in traffic flows are the reason for an increase in journey time on this section.

**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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 7 - A90 Echline Junction to the M90 Halbeath Junction	Sep-13	3	11.0	00:09:27	3	10.9	00:07:42
	Oct-13	1	11.0	00:09:24	1	10.9	00:07:43
	Nov-13	Not Surveyed					
	Dec-13	1	11.0	00:09:29	1	10.9	00:08:01
	Jan-14	1	11.0	00:10:06	1	10.9	00:08:45
	Feb-14	1	11.0	00:09:22	1	10.9	00:07:43
	Mar-14	1	11.0	00:09:18	1	10.9	00:07:40
	Apr-14	1	11.0	00:09:17	1	10.9	00:07:15
	May-14	1	11.0	00:08:30	1	10.9	00:10:40
	Jun-14	1	11.0	00:09:06	1	10.8	00:08:31
	Jul-14	1	11.0	00:09:24	1	10.9	00:15:59
	Aug-14	1	11.0	00:08:57	1	10.9	00:10:08
Sep-14	4	11.0	00:09:28	4	10.9	00:10:07	



**Figure 7-23 Route 7 A90 Echline Junction to the M90 Halbeath Junction PM Peak**

In the 2013-2014 dataset, northbound journey times were relatively consistent, within a range of eight to ten minutes during the PM Peak, as shown in Figure 7-23.

In the southbound direction, journey times were found to be slightly lower on average. There was an increase in the journey time recorded for July, which was a result of congestion on the approach to the Forth Road Bridge from the M90 Junction 2. This is unusual in the PM peak, with the southbound direction usually being recorded as free flowing.

### 7.9 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout

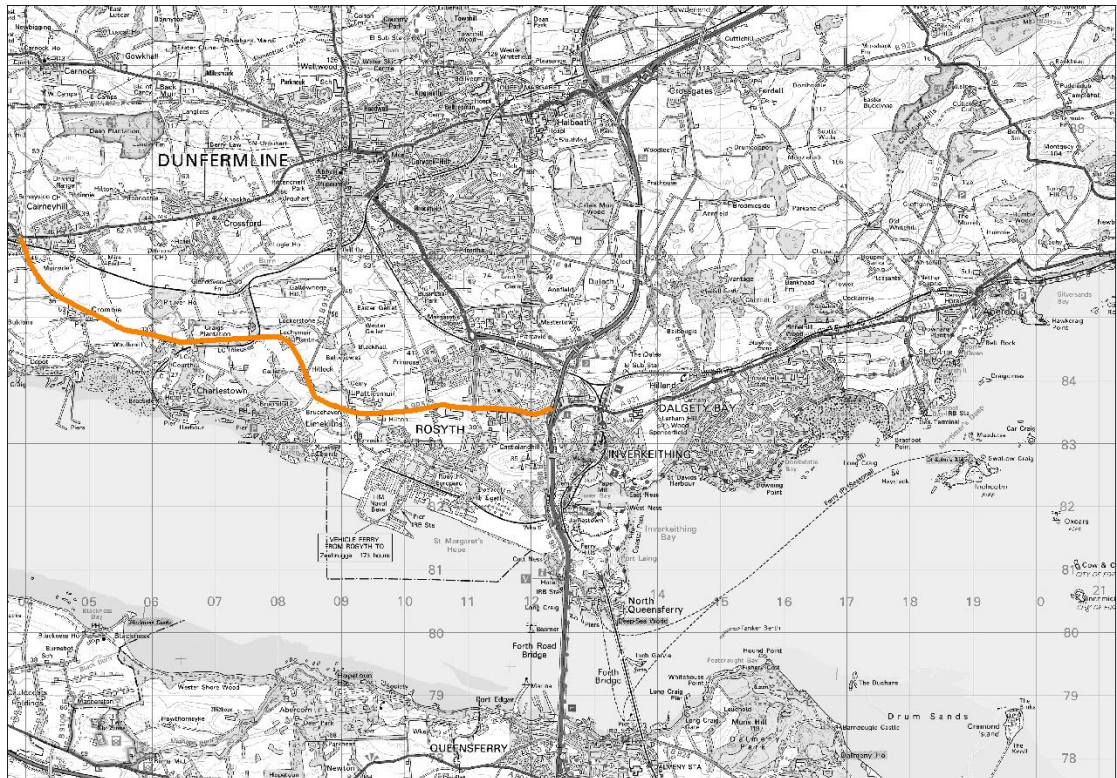


Figure 7-24 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout

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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 8 - A985 between A90 Admiralty Junction and Cairneyhill Roundabout	Sep-13	1	9.6	00:12:12	1	9.7	00:10:52
	Oct-13	1	9.5	00:09:40	1	9.7	00:08:51
	Nov-13	1	9.7	00:09:38	1	9.7	00:09:42
	Dec-13	1	9.7	00:08:52	1	9.7	00:09:03
	Jan-14	1	9.7	00:10:35	1	9.7	00:10:12
	Feb-14	1	9.7	00:11:13	1	9.7	00:11:15
	Mar-14	1	9.7	00:09:56	1	9.7	00:09:15
	Apr-14	1	9.7	00:11:11	1	9.7	00:09:27
	May-14	1	9.6	00:09:49	1	9.6	00:09:02
	Jun-14	1	9.7	00:09:41	1	9.7	00:10:29
	Jul-14	1	9.6	00:09:35	1	9.6	00:09:48
	Aug-14	1	9.3	00:10:23	1	9.4	00:09:40
Sep-14	2	9.6	00:10:24	2	9.7	00:10:44	



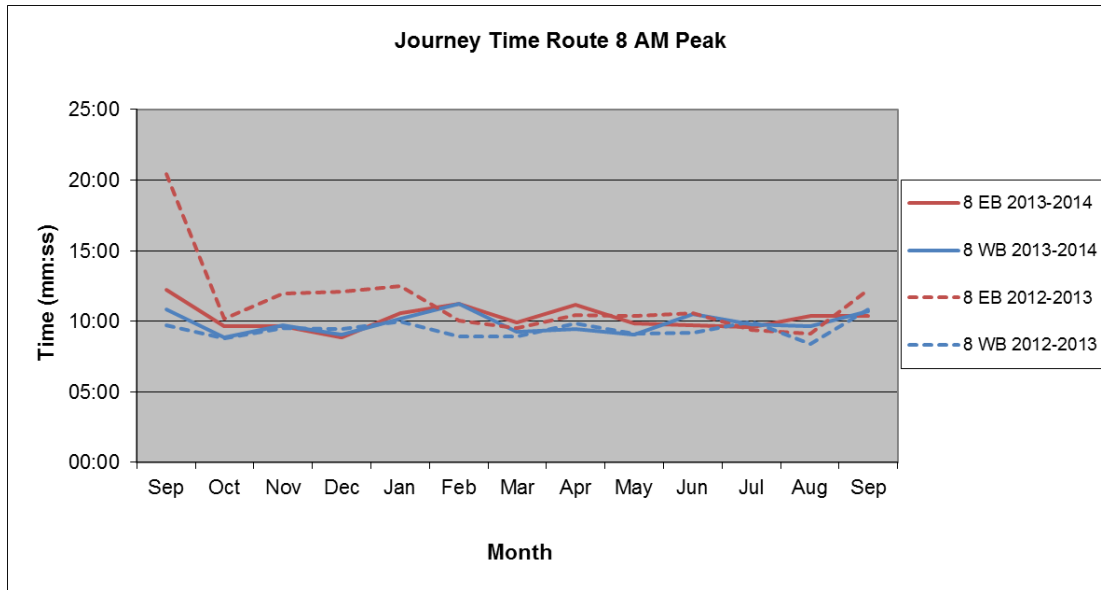
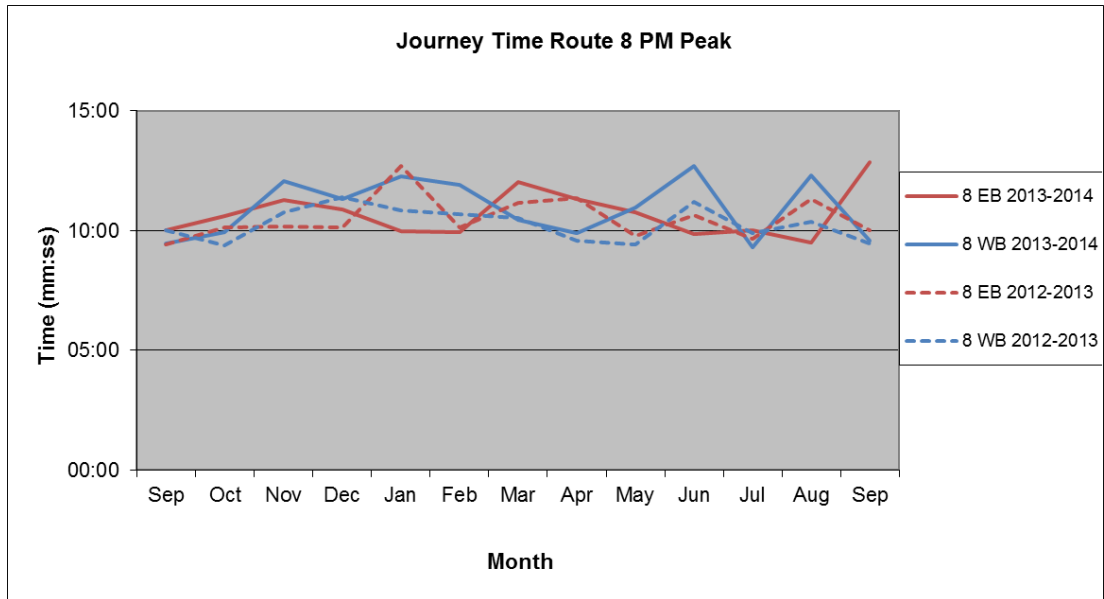


Figure 7-25 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout AM Peak

As shown in Figure 7-25, journey times were relatively consistent in the AM peak in both directions in the 2013-2014 dataset and similar to journey times recorded in 2012-2013. This route is generally free flowing, with some slight congestion experienced within Rosyth.

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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 8 - A985 between A90 Admiralty Junction and Cairneyhill Roundabout	Sep-13	1	9.7	00:10:00	1	9.7	00:09:27
	Oct-13	1	9.7	00:10:36	1	9.7	00:09:56
	Nov-13	1	9.7	00:11:17	1	9.8	00:12:05
	Dec-13	1	9.7	00:10:52	1	9.7	00:11:20
	Jan-14	1	9.7	00:09:58	1	9.7	00:12:16
	Feb-14	1	9.7	00:09:56	1	9.4	00:11:55
	Mar-14	1	9.5	00:12:03	1	9.7	00:10:28
	Apr-14	1	9.7	00:11:20	1	9.7	00:09:53
	May-14	1	9.6	00:10:46	1	9.6	00:10:57
	Jun-14	1	9.2	00:09:51	1	9.4	00:12:41
	Jul-14	1	9.4	00:10:02	1	9.5	00:09:18
	Aug-14	1	9.6	00:09:31	1	9.7	00:12:18
Sep-14	1	9.7	00:12:51	1	9.7	00:09:36	



**Figure 7-26 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout PM Peak**

From the review of Figure 7-26, journey times were relatively consistent throughout the year in the PM Peak. In the eastbound direction, a journey time of almost 13 minutes was recorded in September 2014, and in June a similar journey time was recorded in the westbound direction. These increases were due to congestion within Rosyth.

### 7.10 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction

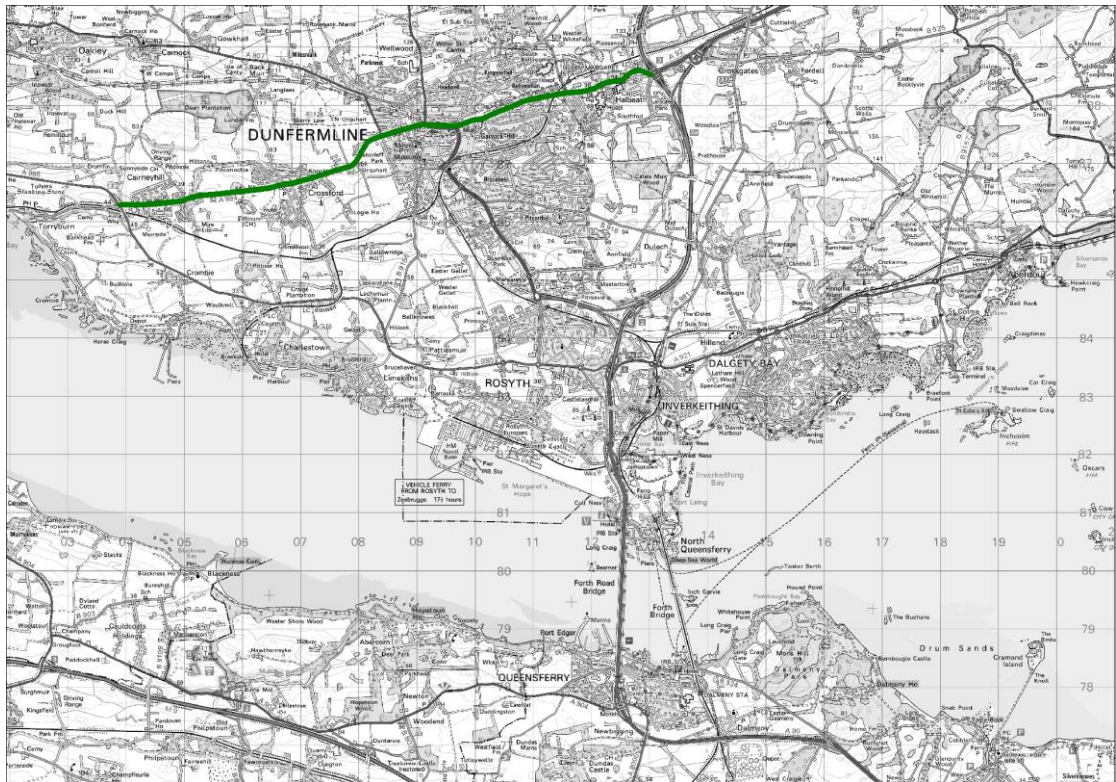
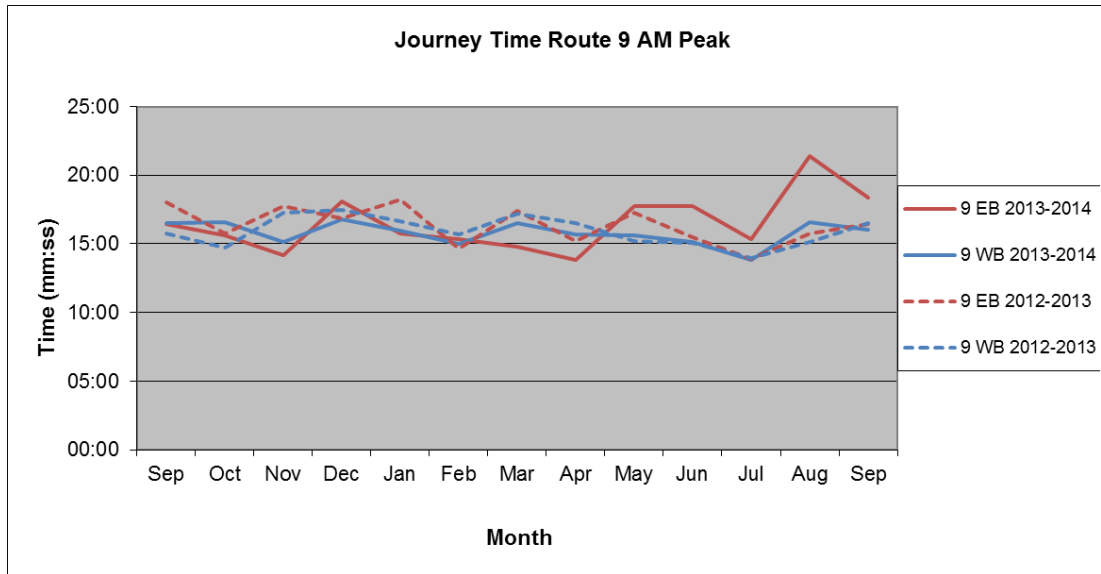


Figure 7-27 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction

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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 9 - A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction	Sep-13	2	9.7	00:16:26	2	9.7	00:16:31
	Oct-13	1	9.7	00:15:38	1	9.6	00:16:36
	Nov-13	1	9.7	00:14:12	1	9.7	00:15:10
	Dec-13	1	9.7	00:18:05	1	9.8	00:16:46
	Jan-14	1	9.7	00:15:45	1	9.8	00:15:56
	Feb-14	1	9.7	00:15:22	1	9.8	00:15:01
	Mar-14	1	9.7	00:14:46	1	9.7	00:16:30
	Apr-14	1	9.7	00:13:50	1	9.7	00:15:41
	May-14	1	9.7	00:17:45	1	9.8	00:15:36
	Jun-14	1	9.7	00:17:45	1	9.8	00:15:09
	Jul-14	1	9.7	00:15:22	1	9.8	00:13:49
	Aug-14	1	9.7	00:21:22	1	9.7	00:16:33
Sep-14	4	9.9	00:18:21	4	9.7	00:16:01	

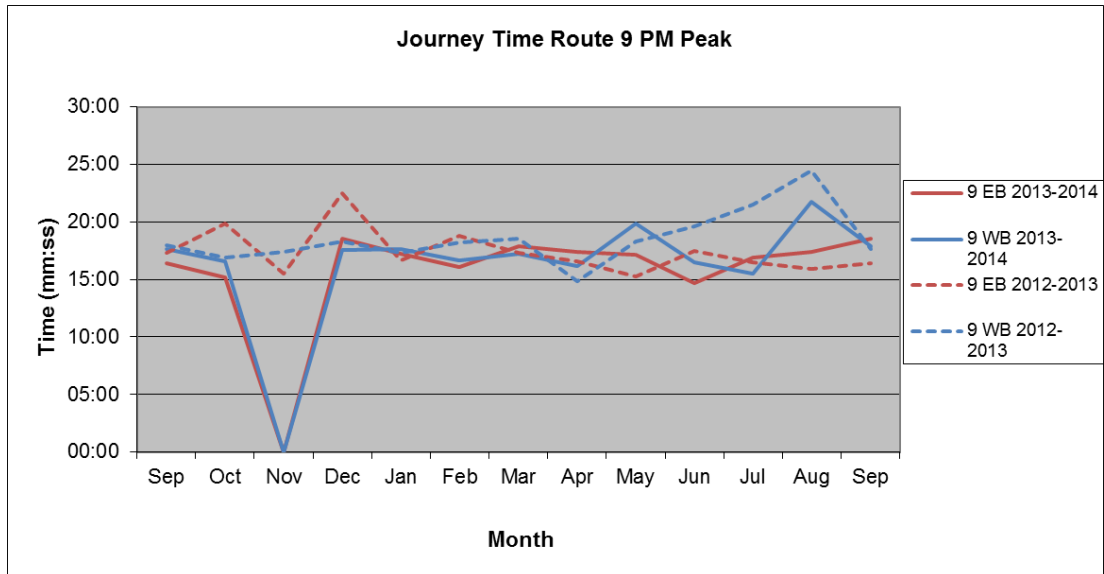


**Figure 7-28 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction AM Peak**

Journey Time Route 9 encompasses Dunfermline town centre and a number of villages on the outskirts of the town. As a result, congestion, traffic signals and queuing at junctions can be experienced. This is reflected in the variability of the journey times in 2013-2014, particularly in the eastbound direction, as shown in Figure 7-28. Journey times in the eastbound direction ranged from under 14 minutes in April to over 21 minutes in August. The relatively high journey time recorded in August was due to congestion and slow moving traffic within Dunfermline town centre. In the westbound direction, journey times were more consistent, within the range of 14 to 17 minutes.

**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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 9 - A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction	Sep-13	3	9.7	00:16:25	5	7.8	00:17:39
	Oct-13	1	9.7	00:15:09	1	9.7	00:16:32
	Nov-13	Not Surveyed					
	Dec-13	1	9.7	00:18:35	1	9.6	00:17:32
	Jan-14	1	9.7	00:17:15	1	9.7	00:17:40
	Feb-14	1	9.7	00:16:07	1	9.7	00:16:41
	Mar-14	1	9.7	00:17:52	1	9.7	00:17:12
	Apr-14	1	9.7	00:17:22	1	9.8	00:16:12
	May-14	1	9.7	00:17:10	1	9.8	00:19:51
	Jun-14	1	9.7	00:14:43	1	9.6	00:16:27
	Jul-14	1	9.6	00:16:52	1	9.7	00:15:31
	Aug-14	1	9.7	00:17:22	1	9.8	00:21:45
Sep-14	4	9.7	00:18:32	4	9.7	00:17:53	



**Figure 7-29 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction PM Peak**

The pattern in the PM Peak appears to be the opposite from the AM Peak, with there being variation in journey times in the westbound direction and slightly more consistency in the eastbound direction. Westbound journey times vary from just over 15 minutes in July, to just under 22 minutes in August. The increased journey time recorded in August is likely to be a result of increased congestion within Dunfermline town centre.

The eastbound journey times are all within the range of approximately 15 to 18 minutes.

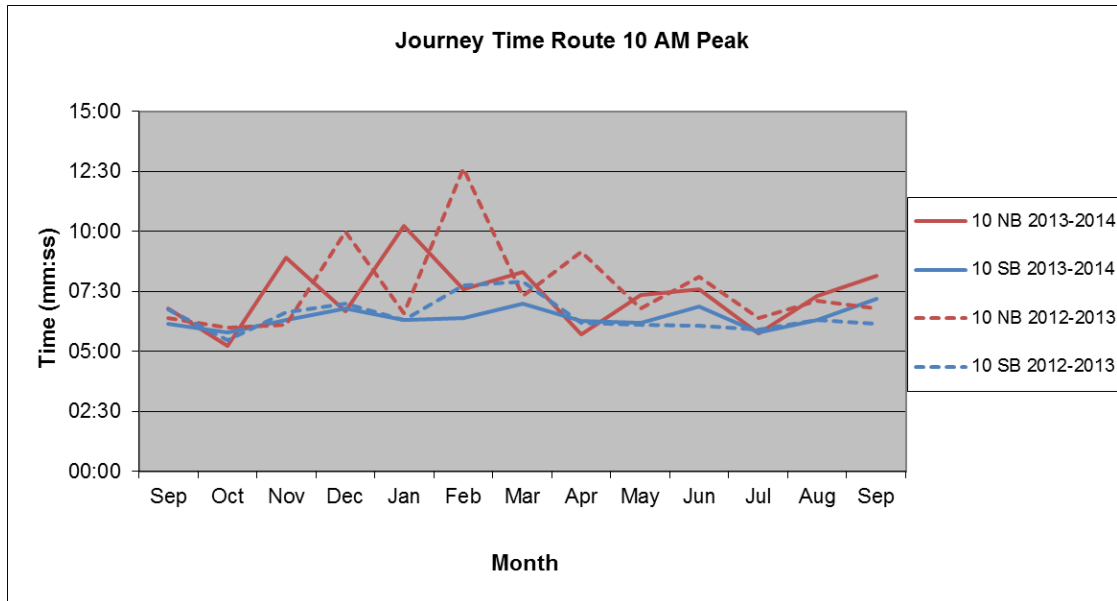
7.11 Route 10 A823 (M) between the A907 and M90 Masterton Junction



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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 10 - A823 (M) between the A907 and M90 Masterton Junction	Sep-13	1	4.5	00:06:49	1	4.9	00:06:09
	Oct-13	1	4.5	00:05:14	1	4.9	00:05:49
	Nov-13	1	4.6	00:08:54	1	4.7	00:06:18
	Dec-13	1	4.5	00:06:40	1	4.9	00:06:48
	Jan-14	1	4.6	00:10:15	1	4.9	00:06:19
	Feb-14	1	4.6	00:07:35	1	4.9	00:06:24
	Mar-14	1	4.6	00:08:18	1	4.9	00:07:00
	Apr-14	1	4.5	00:05:43	1	4.9	00:06:17
	May-14	1	4.6	00:07:21	1	4.9	00:06:13
	Jun-14	1	4.6	00:07:35	1	4.9	00:06:53
	Jul-14	1	4.6	00:05:45	1	4.9	00:05:47
	Aug-14	1	4.5	00:07:20	1	4.9	00:06:18
Sep-14	1	4.5	00:08:09	1	4.8	00:07:12	

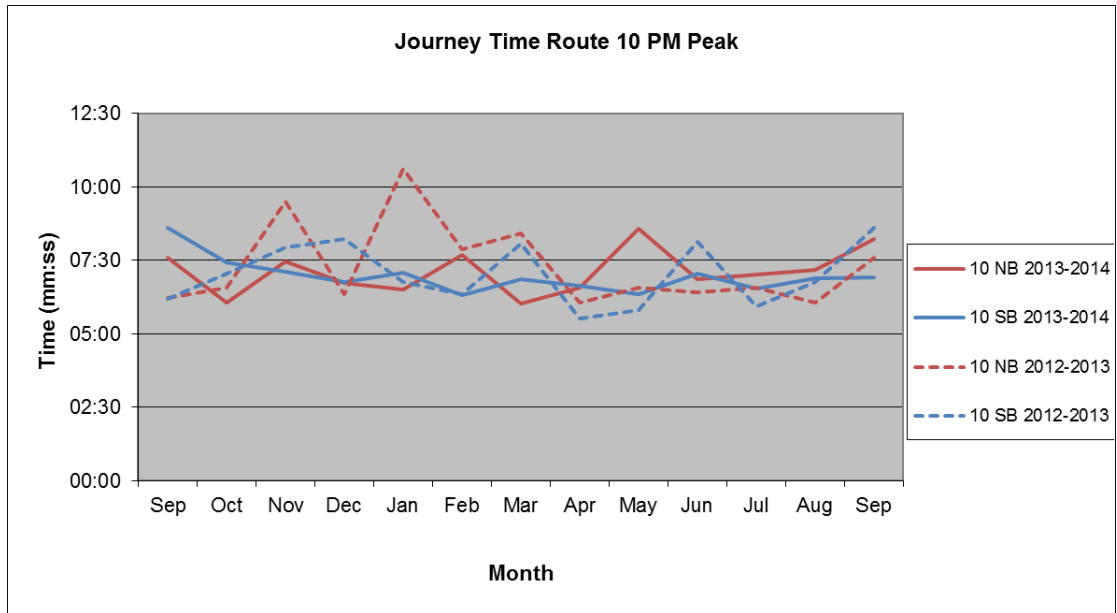


**Figure 7-31 Route 10 A823 (M) between the A907 and M90 Masterton Junction AM Peak**

Route 10 is similar to Route 9 in that it is also made up of a relatively congested urban network, with a number of signalised junctions and roundabouts. This is evident in Figure 7-31 as there is noticeable variation in northbound journey times in 2013-2014, as there was in 2012-2013. Journey times in the northbound direction, in the AM Peak ranged from just over five minutes in October, to just over 10 minutes in January. The southbound journey times in the AM Peak were more consistent, generally between six and seven minutes.

**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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 10 - A823 (M) between the A907 and M90 Masterton Junction	Sep-13	1	4.6	00:07:35	1	4.9	00:08:37
	Oct-13	1	4.4	00:06:03	1	4.9	00:07:25
	Nov-13	1	4.5	00:07:28	1	4.9	00:07:06
	Dec-13	1	4.6	00:06:43	1	4.9	00:06:46
	Jan-14	1	4.6	00:06:31	1	4.9	00:07:05
	Feb-14	1	4.5	00:07:40	1	4.9	00:06:18
	Mar-14	1	4.5	00:06:01	1	4.9	00:06:51
	Apr-14	1	4.5	00:06:34	1	4.9	00:06:37
	May-14	1	4.5	00:08:35	1	4.9	00:06:21
	Jun-14	1	4.5	00:06:51	1	4.8	00:07:02
	Jul-14	1	4.6	00:07:01	1	4.9	00:06:32
	Aug-14	1	4.6	00:07:10	1	4.9	00:06:53
Sep-14	1	4.6	00:08:13	1	4.9	00:06:54	



**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 the AM Peak, with variations in journey times due to the number of traffic signals and roundabouts on the route. In general, the traffic both directions exhibited relatively consistent journey times.

The PM Peak journey times were more variable in the 2012-2013 monitoring period. The journey times recorded in the current monitoring period have returned to the level of consistency that was experienced in the 2011-2012 monitoring period.



7.12 Route 11 A921 between the B9157 and A90 Admiralty Junction

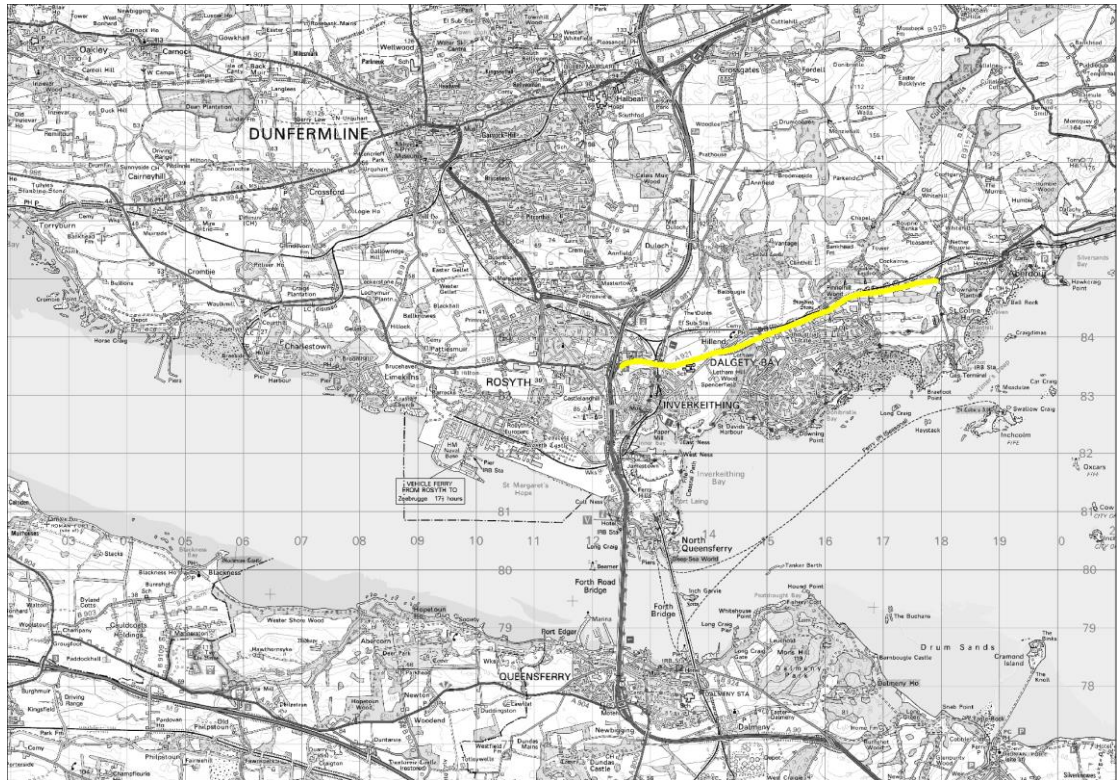
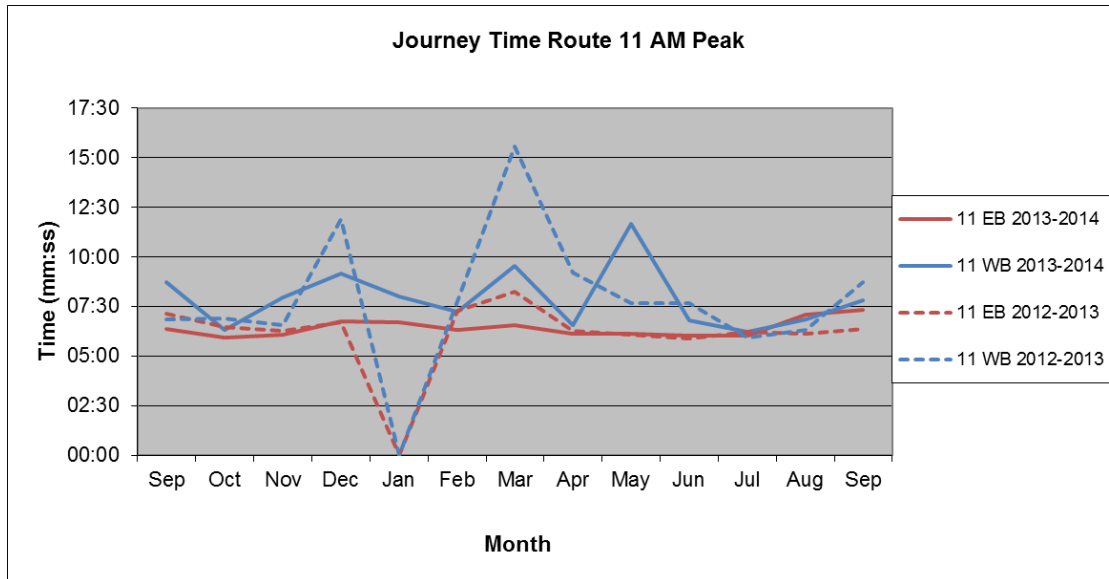


Figure 7-33 Route 11 A921 between the B9157 and A90 Admiralty Junction

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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 11 - A921 between the B9157 and A90 Admiralty Junction	Sep-13	1	5.7	00:06:22	1	5.8	00:08:42
	Oct-13	1	5.8	00:05:56	1	5.6	00:06:20
	Nov-13	1	5.7	00:06:04	1	5.9	00:07:58
	Dec-13	1	5.8	00:06:45	1	5.8	00:09:08
	Jan-14	1	5.8	00:06:42	1	5.8	00:08:01
	Feb-14	1	5.8	00:06:20	1	5.9	00:07:14
	Mar-14	1	5.8	00:06:32	1	5.8	00:09:31
	Apr-14	1	5.8	00:06:08	1	5.8	00:06:32
	May-14	1	5.7	00:06:06	1	5.8	00:11:38
	Jun-14	1	5.8	00:06:01	1	5.8	00:06:48
	Jul-14	1	5.8	00:06:00	1	5.8	00:06:14
	Aug-14	1	5.6	00:07:04	1	5.6	00:06:51
Sep-14	2	5.8	00:07:20	2	5.8	00:07:49	



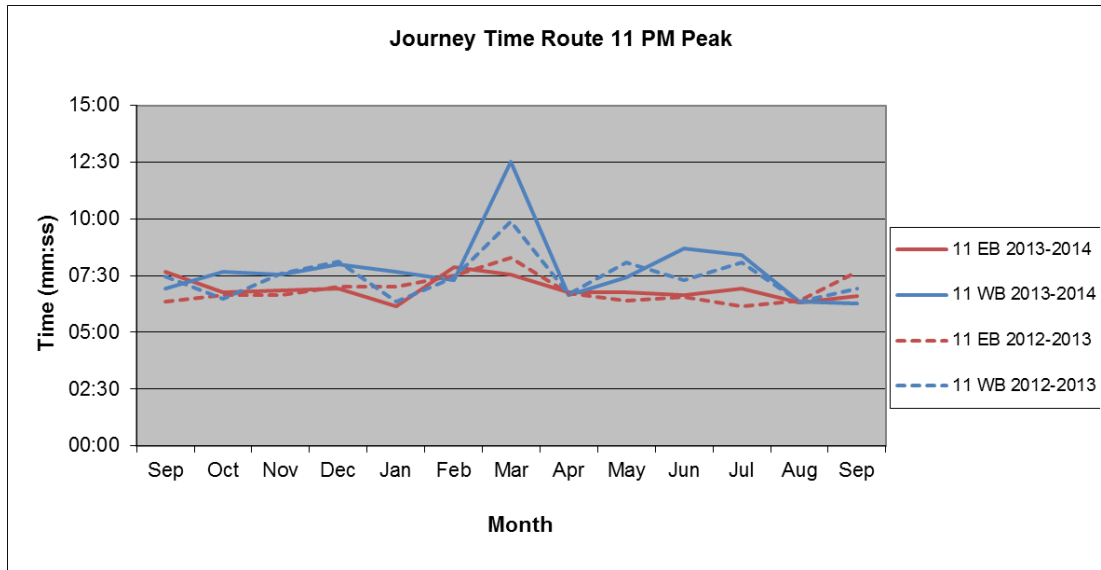
**Figure 7-34 Route 11 A921 between the B9157 and A90 Admiralty Junction AM Peak**

Westbound journey times in the AM Peak were found to be variable. A large degree of variability was present in the westbound data during the 2012-2013 monitoring period, with the large increase in March 2013 attributed to road works. The variation in journey times in this monitoring period are likely to be a result of congestion on the A921 at Inverkeithing. The remaining westbound surveys were noted to be free flowing in the AM Peak.

Eastbound journey times were extremely consistent throughout the monitoring period, with all surveys recording times between approximately 6 and 7 minutes.

**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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 11 - A921 between the B9157 and A90 Admiralty Junction	Sep-13	1	5.8	00:07:39	1	5.8	00:06:57
	Oct-13	1	5.7	00:06:45	1	5.2	00:07:40
	Nov-13	1	5.8	00:06:51	1	5.8	00:07:33
	Dec-13	1	5.8	00:06:55	1	5.8	00:08:01
	Jan-14	1	5.8	00:06:10	1	5.9	00:07:40
	Feb-14	1	5.8	00:07:52	1	5.9	00:07:18
	Mar-14	1	5.8	00:07:32	1	5.8	00:12:31
	Apr-14	1	5.6	00:06:47	1	5.7	00:06:39
	May-14	1	5.8	00:06:47	1	5.7	00:07:26
	Jun-14	1	5.6	00:06:38	1	5.6	00:08:41
	Jul-14	1	5.6	00:06:57	1	5.6	00:08:25
	Aug-14	1	5.6	00:06:19	1	5.7	00:06:21
Sep-14	1	5.8	00:06:36	1	5.8	00:06:16	



**Figure 7-35 Route 11 A921 between the B9157 and A90 Admiralty Junction PM Peak**

Journey times were relatively consistent in both directions in the PM Peak, with a large increase in the westbound journey time during March. This increase was due to congestion experienced at Dalgety Bay.

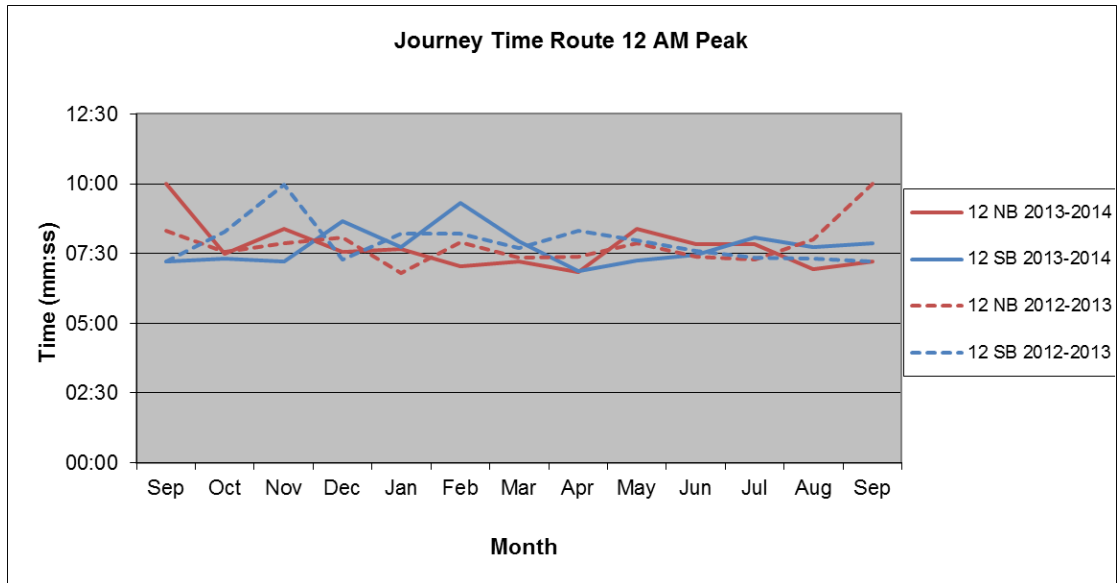
7.13 Route 12 B981 between A92 and A90 Admiralty Junction



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 (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 12 - B981 between A92 and A90 Admiralty Junction	Sep-13	1	7.1	00:10:00	1	6.9	00:07:12
	Oct-13	1	6.8	00:07:29	1	7.1	00:07:18
	Nov-13	1	7.0	00:08:22	1	7.1	00:07:12
	Dec-13	1	7.1	00:07:33	1	7.1	00:08:40
	Jan-14	1	6.9	00:07:39	1	7.0	00:07:44
	Feb-14	1	7.0	00:07:02	1	7.1	00:09:18
	Mar-14	1	6.8	00:07:12	1	7.0	00:07:57
	Apr-14	1	6.9	00:06:50	1	7.0	00:06:53
	May-14	1	6.9	00:08:24	1	7.0	00:07:15
	Jun-14	1	6.9	00:07:50	1	6.9	00:07:27
	Jul-14	1	6.9	00:07:50	1	6.8	00:08:05
	Aug-14	1	6.6	00:06:56	1	6.7	00:07:43
Sep-14	2	6.8	00:07:13	1	7.0	00:07:53	



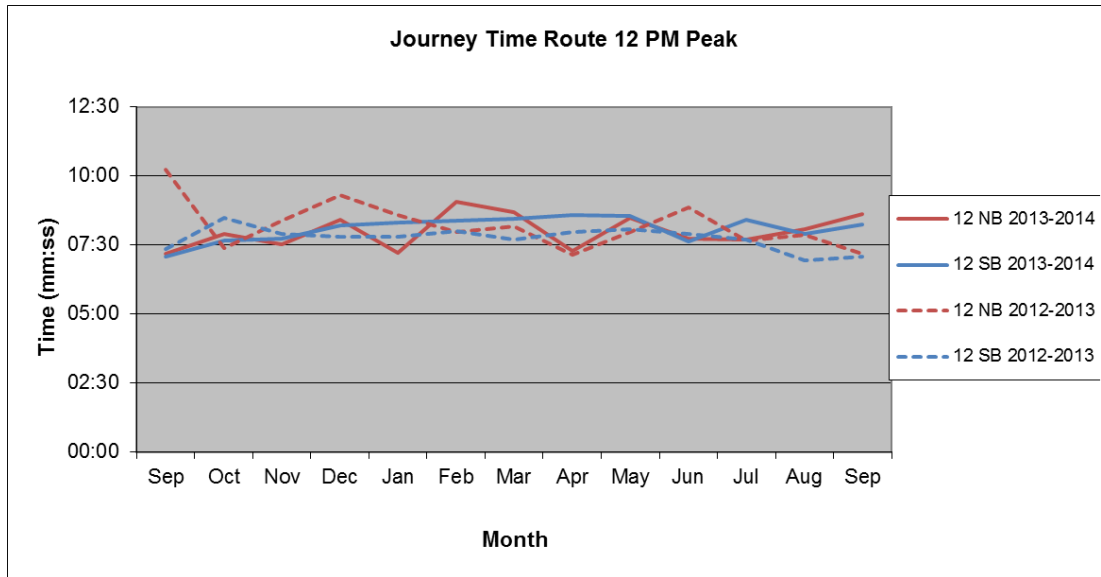
**Figure 7-37 Route 12 B981 between A92 and A90 Admiralty Junction AM Peak**

As shown in Figure 7-37, journey times in both directions were generally consistent throughout the AM Peak during 2013-2014.

The relatively high northbound journey time recorded in September 2013 was due to a tractor holding up traffic during the survey. In the southbound direction, the increased journey time recorded in February was a result of congestion at the A921.

**Table 7-24 Route 12 B981 between A92 and A90 Admiralty Junction PM Peak**

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 12 - B981 between A92 and A90 Admiralty Junction	Sep-13	1	6.3	00:07:11	1	6.5	00:07:05
	Oct-13	1	6.9	00:07:53	1	7.0	00:07:40
	Nov-13	1	7.0	00:07:32	1	7.1	00:07:43
	Dec-13	1	7.1	00:08:24	1	7.1	00:08:12
	Jan-14	1	7.1	00:07:12	1	7.1	00:08:18
	Feb-14	1	6.9	00:09:03	1	7.0	00:08:23
	Mar-14	1	6.8	00:08:42	1	6.9	00:08:26
	Apr-14	1	6.7	00:07:17	1	6.9	00:08:34
	May-14	1	6.7	00:08:29	1	7.0	00:08:32
	Jun-14	1	6.7	00:07:44	1	6.7	00:07:38
	Jul-14	1	6.9	00:07:42	1	6.7	00:08:24
	Aug-14	1	6.8	00:08:05	1	7.0	00:07:53
Sep-14	1	7.0	00:08:38	1	7.1	00:08:15	



**Figure 7-38 Route 12 B981 between A92 and A90 Admiralty Junction PM Peak**

From review of Figure 7-38, journey times were generally consistent throughout 2013-2014 during the PM peak, as traffic was free flowing. Journey times in both directions were in the approximate range of seven to nine minutes.

### 7.14 Route 13 A904 Old Philpstoun to Echline Junction

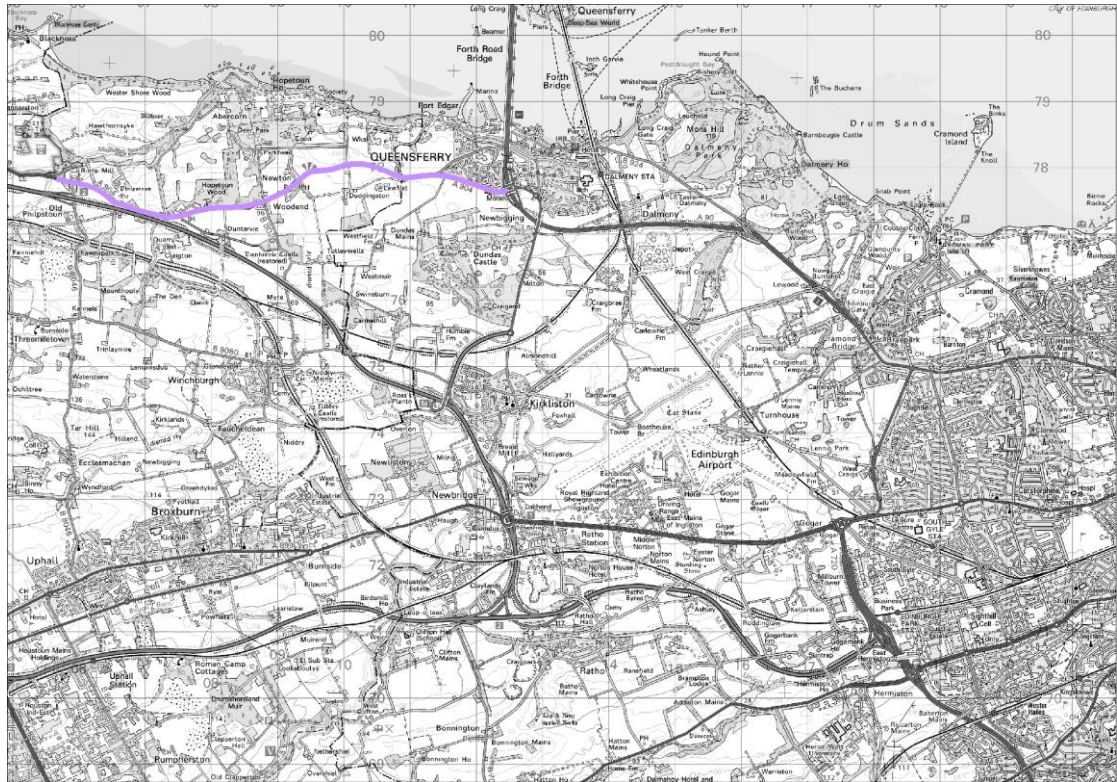
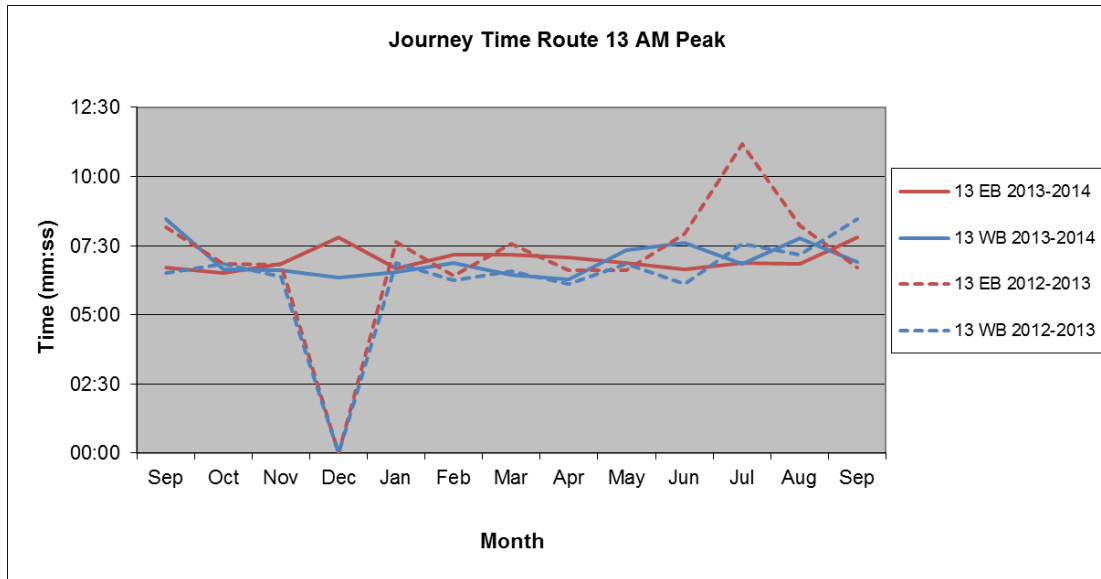


Figure 7-39 Route 13 A904 Old Philpstoun to Echline Junction

Table 7-25 Route 13 A904 Old Philpstoun to Echline Junction AM Peak

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 13 - A904 Old Philpstoun to Echline Junction	Sep-13	1	6.9	00:06:43	1	7.0	00:08:28
	Oct-13	1	6.8	00:06:30	1	6.8	00:06:39
	Nov-13	1	7.0	00:06:50	1	7.0	00:06:37
	Dec-13	1	7.0	00:07:48	1	7.0	00:06:21
	Jan-14	1	7.0	00:06:40	1	7.0	00:06:32
	Feb-14	1	7.0	00:07:10	1	7.0	00:06:53
	Mar-14	1	7.0	00:07:10	1	7.0	00:06:27
	Apr-14	1	7.0	00:07:05	1	7.0	00:06:16
	May-14	1	7.0	00:06:52	1	7.0	00:07:21
	Jun-14	1	7.0	00:06:39	1	7.0	00:07:36
	Jul-14	1	7.0	00:06:53	1	7.0	00:06:50
	Aug-14	1	7.0	00:06:51	1	6.9	00:07:46
Sep-14	1	7.0	00:07:48	1	7.0	00:06:55	



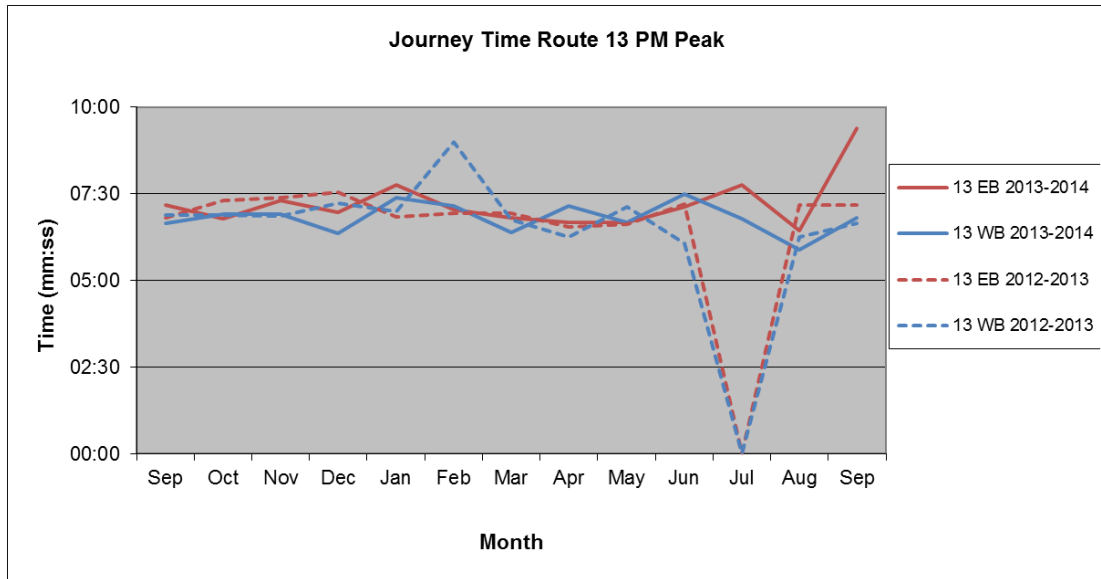
**Figure 7-40 Route 13 A904 Old Philpstoun to Echline Junction AM Peak**

Traffic management has been deployed on the A904 throughout the monitoring period, however, as shown in Figure 7-40, journey times were relatively consistent in the AM Peak during 2013-2014, in both directions. Times ranged from approximately six to eight minutes.

**Table 7-26 Route 13 A904 Old Philpstoun to Echline Junction PM Peak**

Route Description	Date	Eastbound			Westbound		
		No. of Runs	Ave. Distance (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 13 - A904 Old Philpstoun to Echline Junction	Sep-13	1	7.0	00:07:11	1	7.0	00:06:39
	Oct-13	1	7.0	00:06:47	1	7.0	00:06:55
	Nov-13	1	7.0	00:07:18	1	7.0	00:06:55
	Dec-13	1	7.0	00:06:58	1	7.0	00:06:21
	Jan-14	1	7.0	00:07:45	1	7.0	00:07:24
	Feb-14	1	7.0	00:07:02	1	7.0	00:07:09
	Mar-14	1	7.0	00:06:48	1	7.0	00:06:24
	Apr-14	1	7.0	00:06:40	1	7.0	00:07:09
	May-14	1	7.0	00:06:41	1	7.0	00:06:40
	Jun-14	1	6.9	00:07:08	1	7.0	00:07:29
	Jul-14	1	7.0	00:07:45	1	7.0	00:06:47
	Aug-14	1	7.0	00:06:27	1	6.9	00:05:54
Sep-14	1	7.0	00:09:23	1	7.0	00:06:49	





**Figure 7-41 Route 13 A904 Old Philpstoun to Echline Junction PM Peak**

As shown in Figure 7-41, journey times were also relatively consistent in the PM Peak, with times generally within the range of six to eight minutes. The exception is September 2014, where the survey recorded a journey time of over nine minutes in the eastbound direction. This was likely due to slight queuing on the approach to Echline Junction. Journey times in both directions in 2013-2014 were similar to those in 2012-2013.

**Appendix A Automatic Traffic Counter Locations**

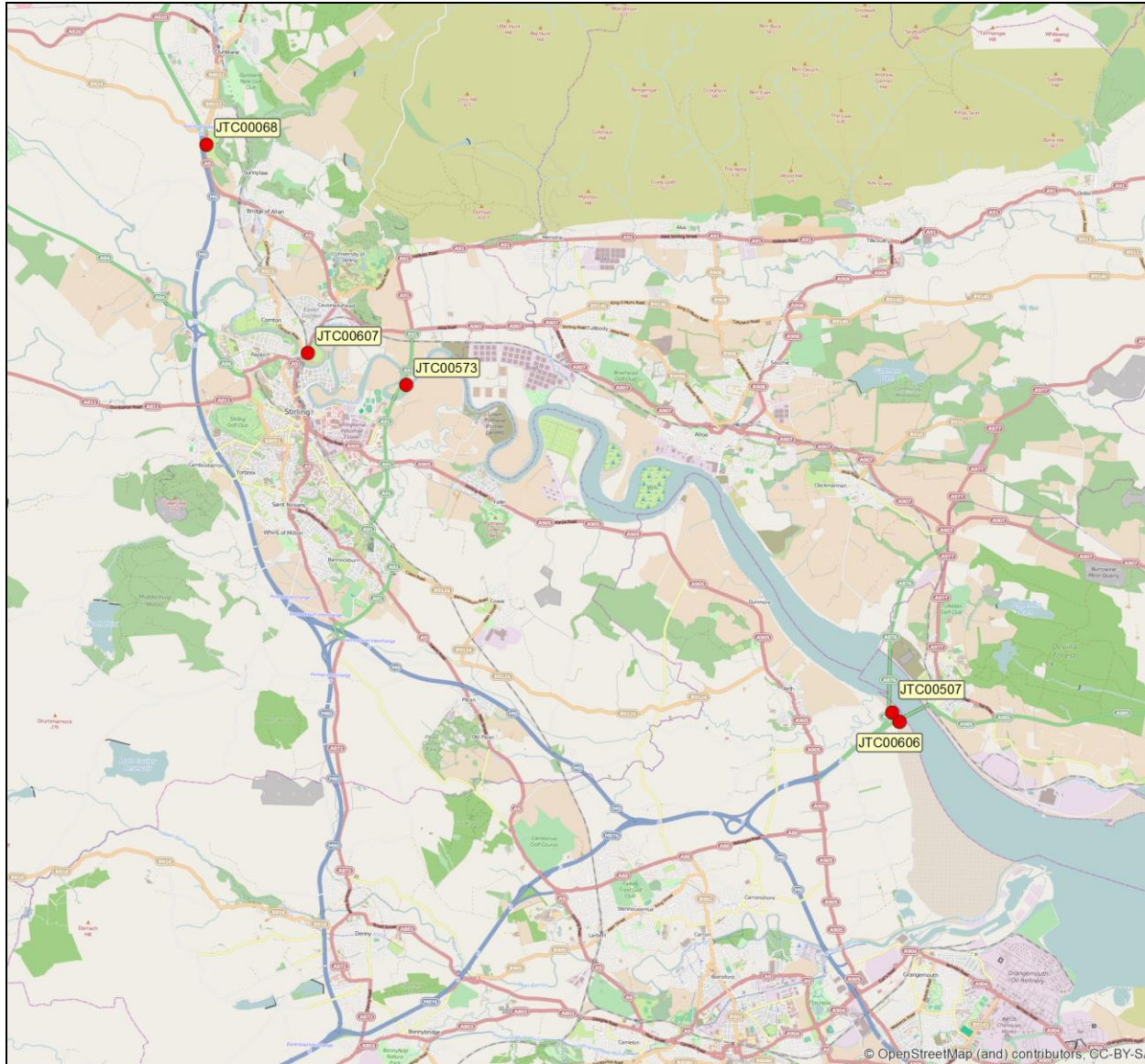


Figure 7-42 Automatic Traffic Counter Locations - Kincardine Area

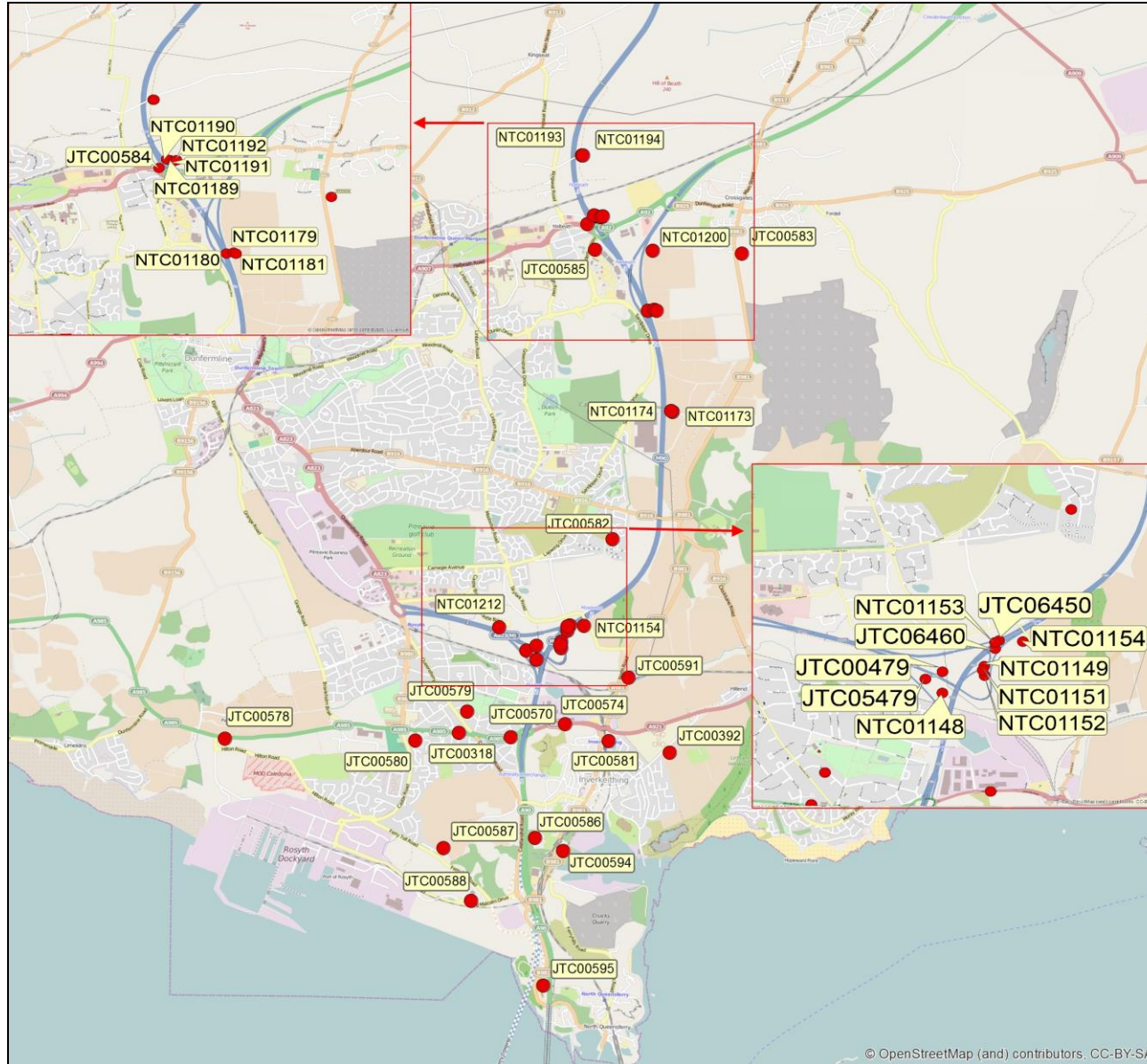


Figure 7-43 Automatic Traffic Counter Locations – Fife Area



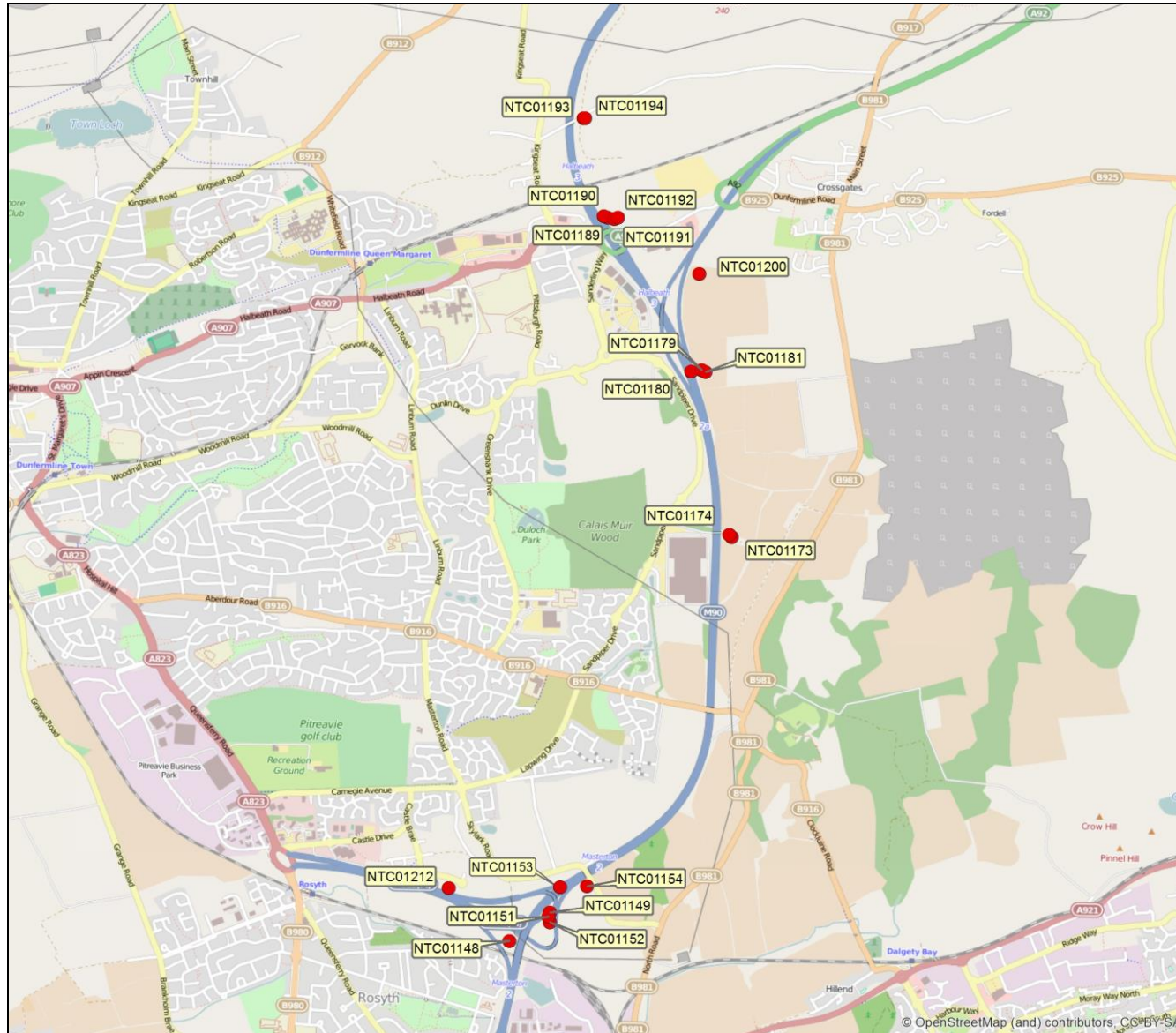


Figure 7-45 NTC Locations – Fife Area

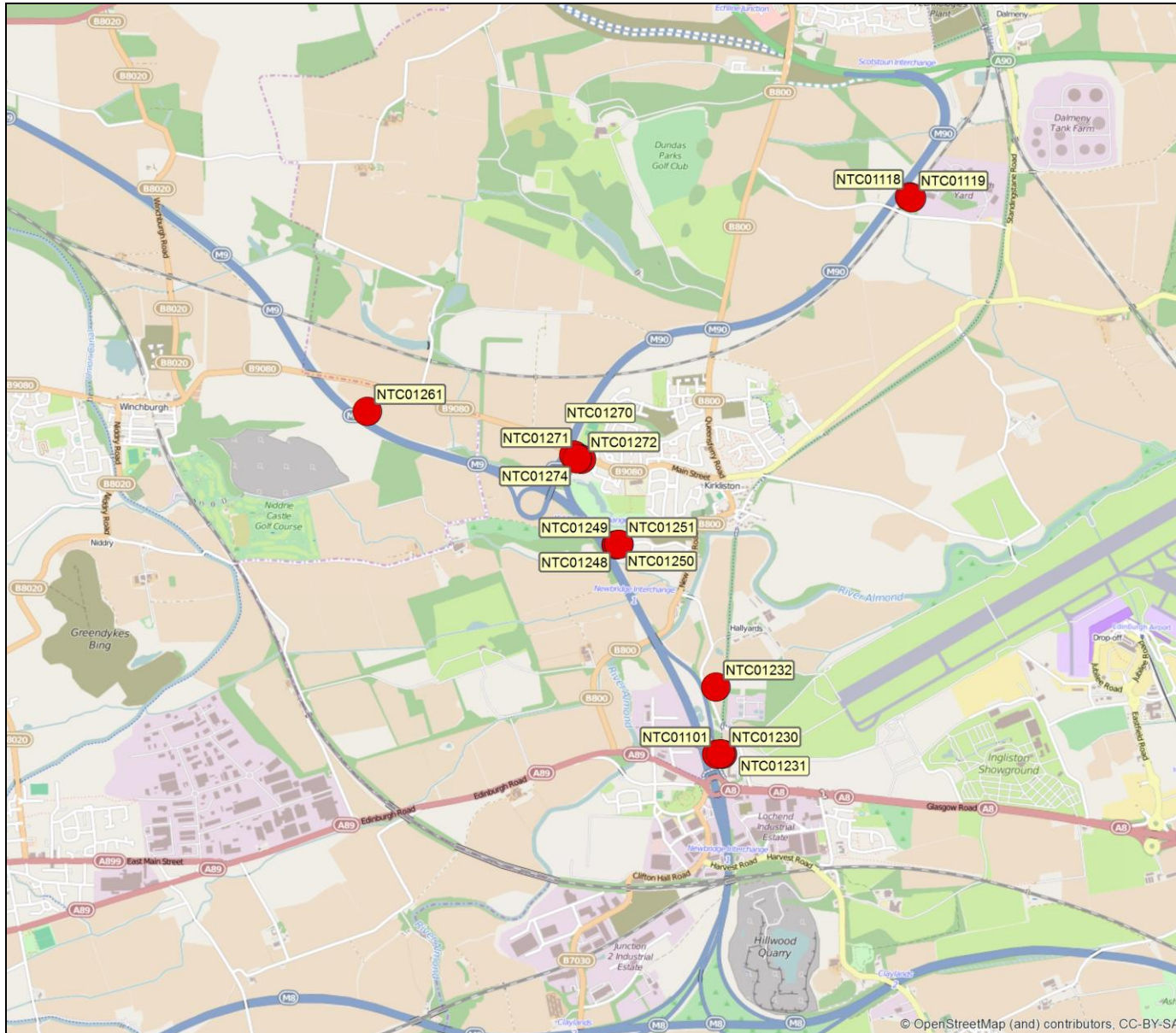


Figure 7-46 NTC Locations – Edinburgh Area