

**Queensferry Crossing**

**Traffic Monitoring Annual Report:  
2014 - 2015**

**June 2016**

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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 the key traffic information, in the immediate vicinity of the crossing and the affected road network, for the period August 2014 to September 2015. It therefore allows a comparison of data for the four years of monitoring. The report also contains the details of journey time surveys undertaken between September 2014 and September 2015, 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 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 fourth Traffic Monitoring Annual Report. The aim of this report is to present the traffic data collected throughout the monitoring period, to allow key changes and trends to be identified. It also aims to identify 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 national traffic data provider has been undertaken. A period of up to two months is required to allow their traffic data validation process to be carried out. 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, assessment 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 traffic flow data, and summaries of key changes and trends, for each individual counter for August 2014 to September 2015; 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 fourth year of monitoring, from September 2014 to September 2015.

## 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 are intended to 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

Assessment 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 robust assessment of the data, some counter locations have not been included in the reporting. 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 for the purposes of this report, “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 affecting the results. Although this data has been removed for the annual reporting analysis, it may still be suitable for use in other types of analyses.

To determine the number of HGVs, classifications CCE5 (HGV) and CCE6 (Bus) are used. CCE4 (LGV/Rigid OGV1) is not included in the classification of total HGV flow because, at the majority of locations, this class is made up of a high percentage of Light Goods Vehicles (LGVs), which would result in the over reporting of the HGV flows across all the network monitoring sites.

### **2.3 Contents of the Traffic Flow Section**

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 2014 and September 2015, are presented in Section 3 (Motorways), Section 4 (A-Roads), Section 5 (B-Roads) and Section 6 (Other Roads) for comparison. Traffic flows for August 2013 to September 2014 have also been included where available, for comparison with the 2014-2015 data. A summary of the key changes is included for all Section 3 counters, and for counters in Sections 4, 5 and 6 commentary is provided where notable changes have been observed.

For the tables presented in Sections 3, 4, 5 and 6, 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 2014 and September 2015:

- Traffic flows are indicative of typical seasonal variation; with higher flows over the summer months.

#### 3.1.1 Monthly Average Traffic Flows

**Table 3-1 Site: JTC00068 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB	SB	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	17,017	17,681	34,698
		Aug-14	No Data	No Data	No Data
		Sep-14	18,486	18,789	37,275
		Oct-14	18,594	18,781	37,376
		Nov-14	17,215	17,309	34,524
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	16,614	16,631	33,245
		Mar-15	17,241	17,430	34,672
		Apr-15	17,892	18,038	35,929
		May-15	18,039	18,158	36,197
		Jun-15	18,272	18,289	36,562
		Jul-15	18,956	19,390	38,346
		Aug-15	19,100	19,220	38,320
		Sep-15	18,873	19,234	38,107
		<b>Annual Average</b>	<b>17,923</b>	<b>18,091</b>	<b>36,014</b>



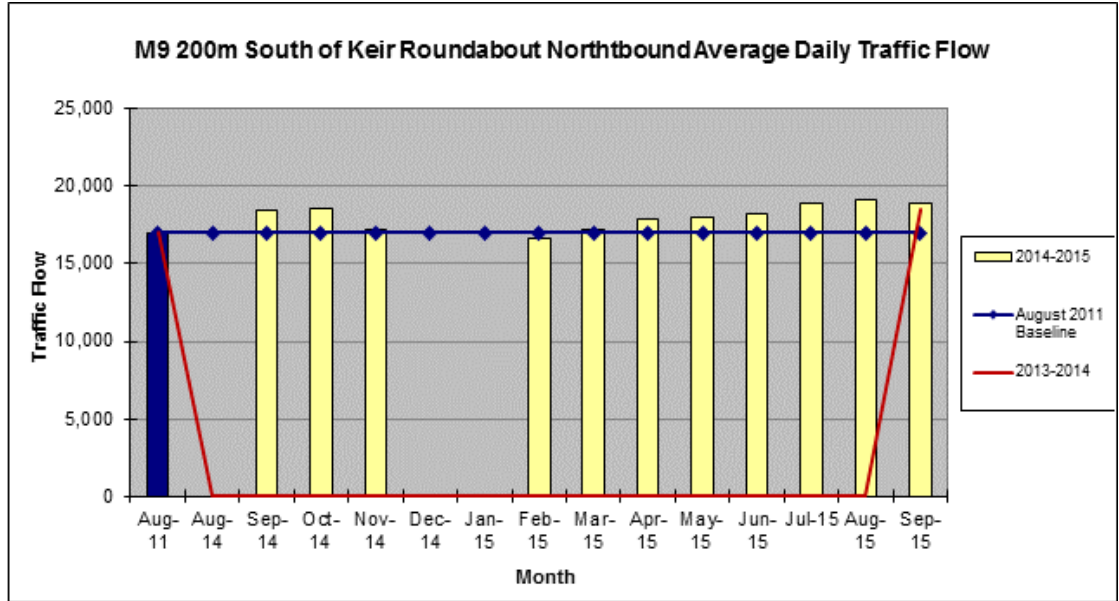


Figure 3-1 Monthly Northbound AADTs on the M9 200m South of Keir Roundabout

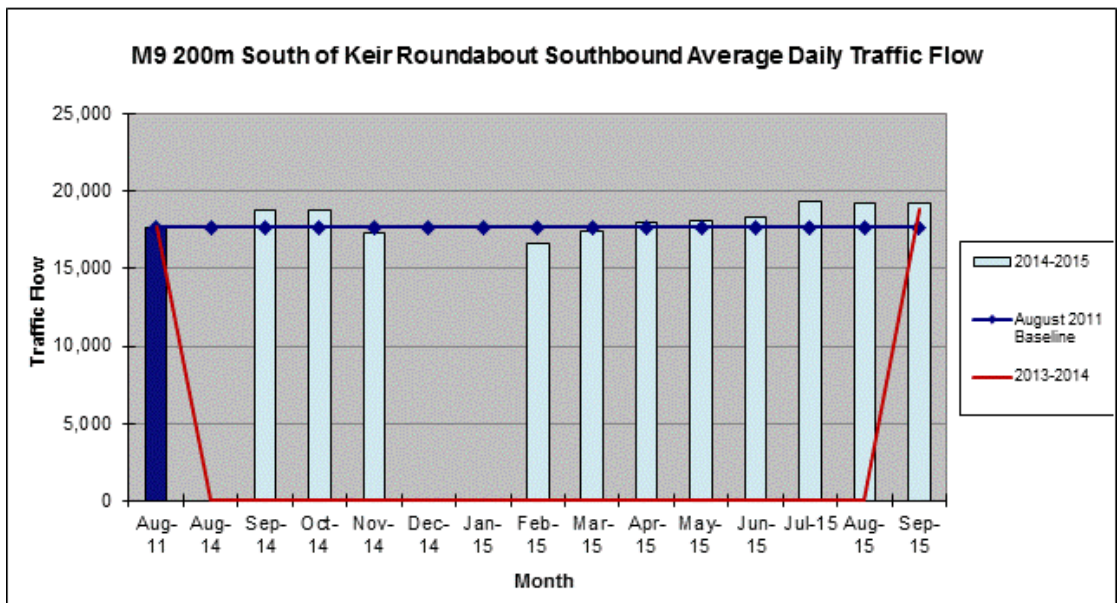


Figure 3-2 Monthly Southbound AADTs on the M9 200m South of Keir Roundabout

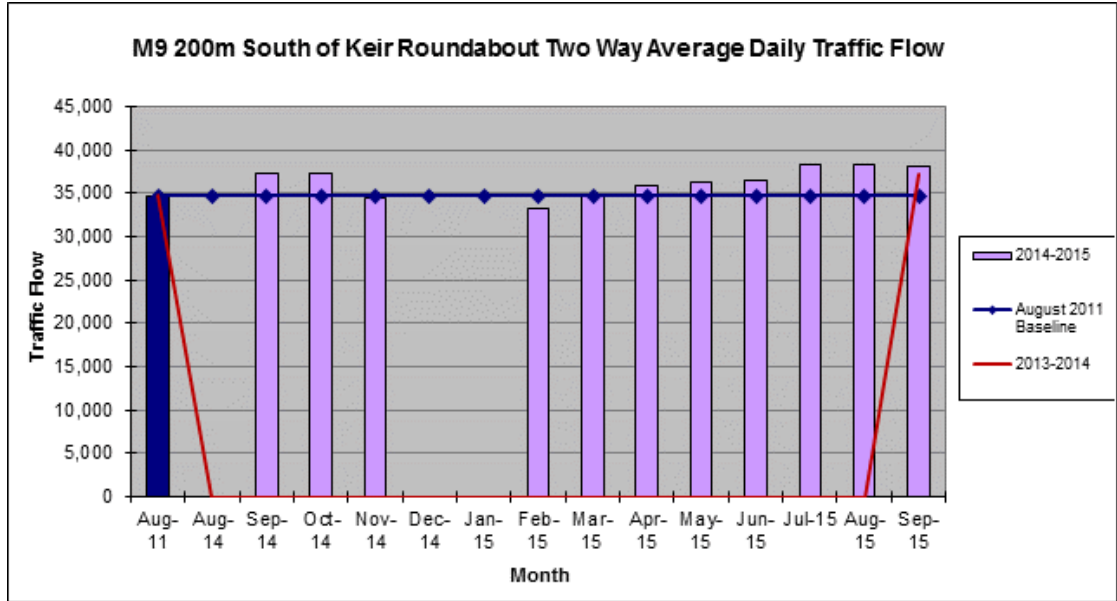


Figure 3-3 Monthly Two Way Daily Traffic Flows on the M9 200m South of Keir Roundabout

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

Table 3-2 Site: JTC00068 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00068	M9 200m South of Keir Roundabout	Aug-11	6,092	7,862
		Aug-14	No Data	No Data
		Sep-14	6,648	8,360
		Oct-14	6,483	8,519
		Nov-14	5,292	8,247
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	6,210	7,547
		Mar-15	6,600	7,780
		Apr-15	6,588	6,600
		May-15	6,664	6,723
		Jun-15	6,776	6,690
		Jul-15	6,808	6,891
		Aug-15	6,880	7,189
Sep-15	7,206	7,227		
		<b>Annual Average</b>	<b>6,452</b>	<b>7,484</b>

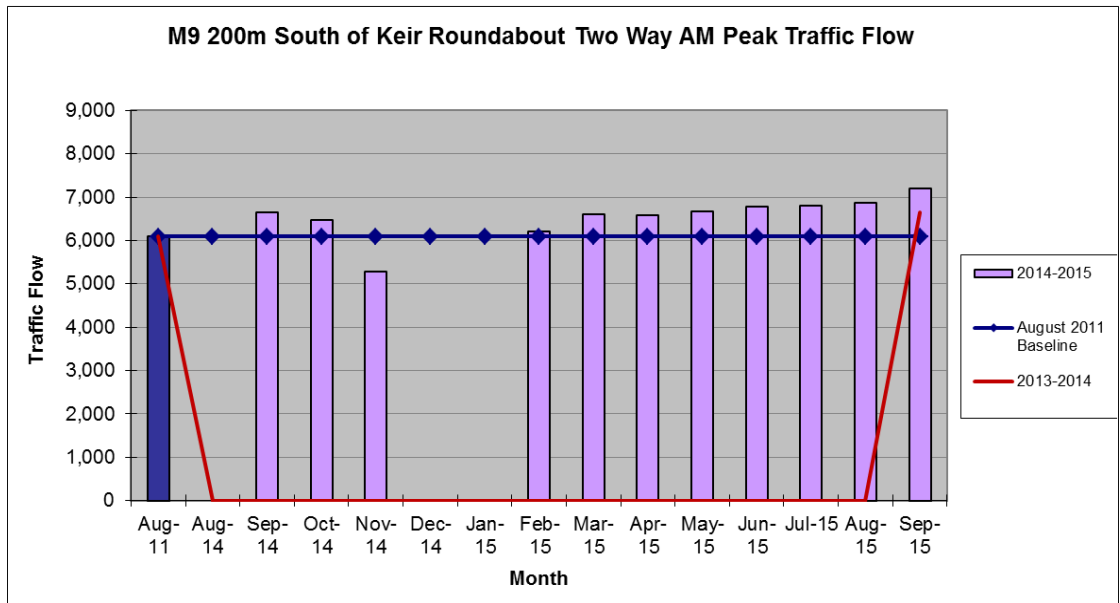


Figure 3-4 Monthly Two Way AM Peak Flows on the M9 200m South of Keir Roundabout

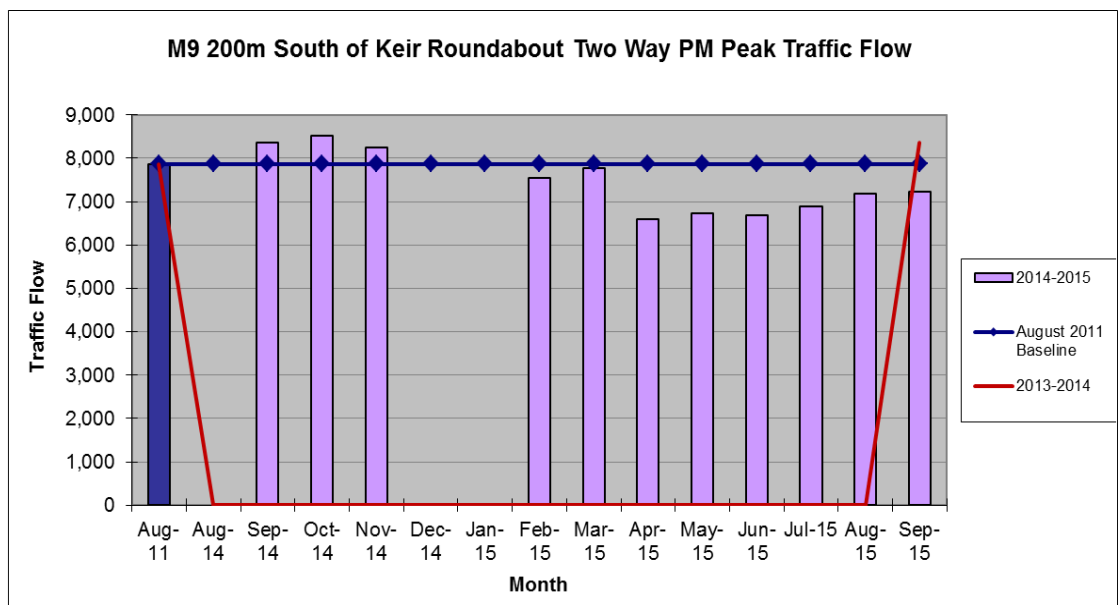


Figure 3-5 Monthly Two Way PM Peak Flows on the M9 200m South of Keir Roundabout

### 3.1.3 Monthly Average HGV Flows

Table 3-3 Site: JTC00068 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00068	M9 200m South of Keir Roundabout	Aug-11	2,207
		Aug-14	No Data
		Sep-14	2,483
		Oct-14	2,548
		Nov-14	2,388
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	2,331
		Mar-15	2,508
		Apr-15	2,385
		May-15	2,330
		Jun-15	2,458
		Jul-15	2,535
		Aug-15	2,261
		Sep-15	2,480
		<b>Annual Average</b>	<b>2,441</b>

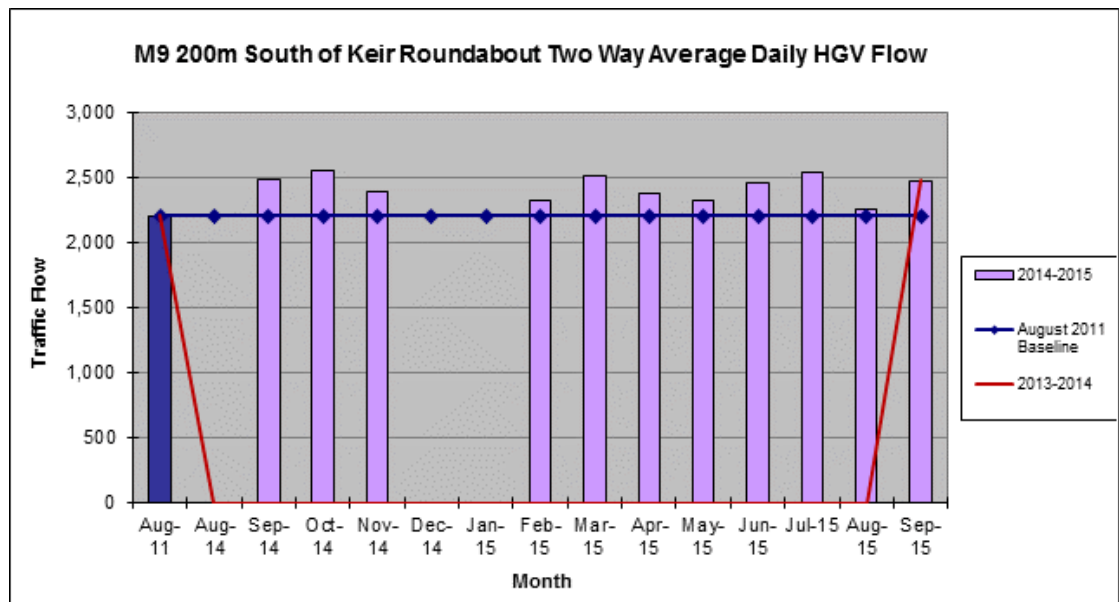
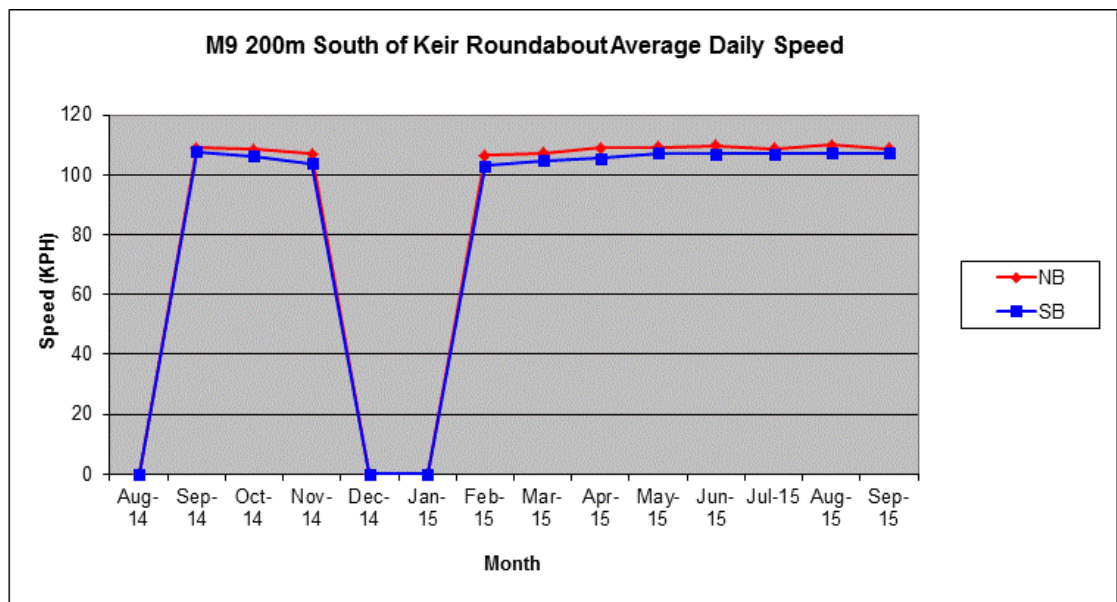


Figure 3-6 Monthly Two Way HGV Traffic Flows on the M9 200m South of Keir Roundabout

### 3.1.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-4 Site: JTC00068 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00068	M9 200m South of Keir Roundabout	Aug-14	No Data	No Data
		Sep-14	109	108
		Oct-14	108	106
		Nov-14	107	104
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	106	103
		Mar-15	107	105
		Apr-15	109	106
		May-15	109	107
		Jun-15	110	107
		Jul-15	109	107
		Aug-15	110	107
		Sep-15	109	107



**Figure 3-7 Average Monthly Traffic Speeds (KPH) on the M9 200m South of Keir Roundabout**

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

Summary of statistics between August 2014 and September 2015:

- Traffic flows are indicative of typical seasonal variation; with lower flows in February and higher flows over the summer months.
- Flows are generally higher than the August 2011 baseline.
- HGV flows are also higher than the baseline and follow a similar pattern to general traffic, with higher flows over the summer months.

#### 3.2.1 Monthly Average Traffic Flows

**Table 3-5 Site: JTC00439 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB	SB	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	13,806	14,263	28,069
		Aug-14	15,567	15,894	31,462
		Sep-14	15,853	16,157	32,011
		Oct-14	15,317	15,631	30,948
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	14,870	15,170	30,040
		Mar-15	15,627	15,658	31,285
		Apr-15	15,294	15,479	30,773
		May-15	15,527	15,647	31,174
		Jun-15	16,685	16,705	33,390
		Jul-15	16,320	16,234	32,555
		Aug-15	16,331	16,455	32,786
		Sep-15	16,746	16,849	33,596
	<b>Annual Average</b>	<b>15,673</b>	<b>15,842</b>	<b>31,515</b>	



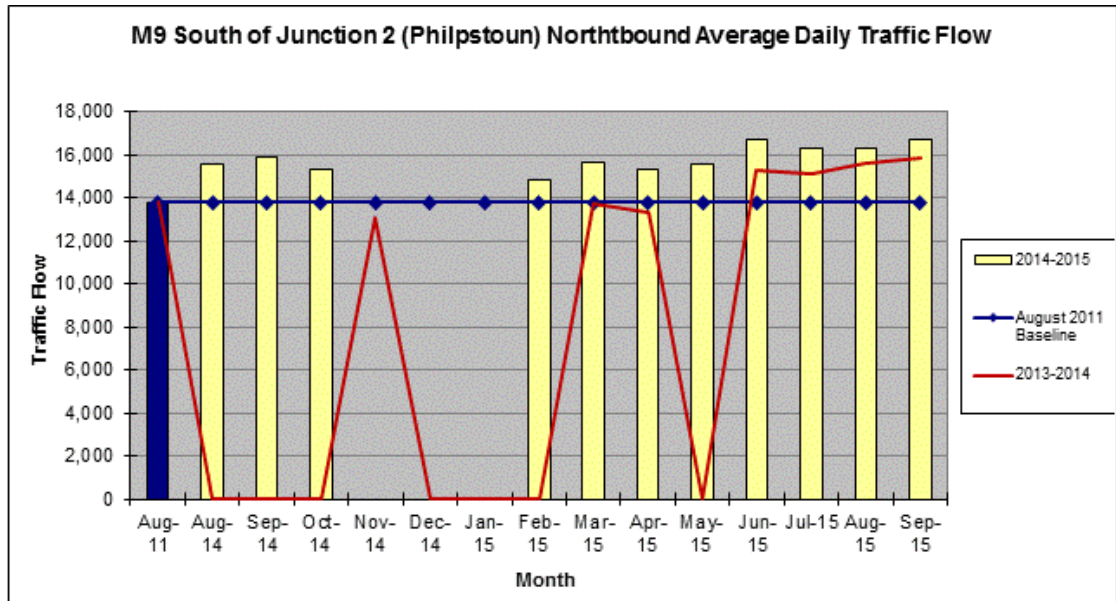


Figure 3-8 Monthly Northbound AADTs on the M9 South of Junction 2 (Philpstoun)

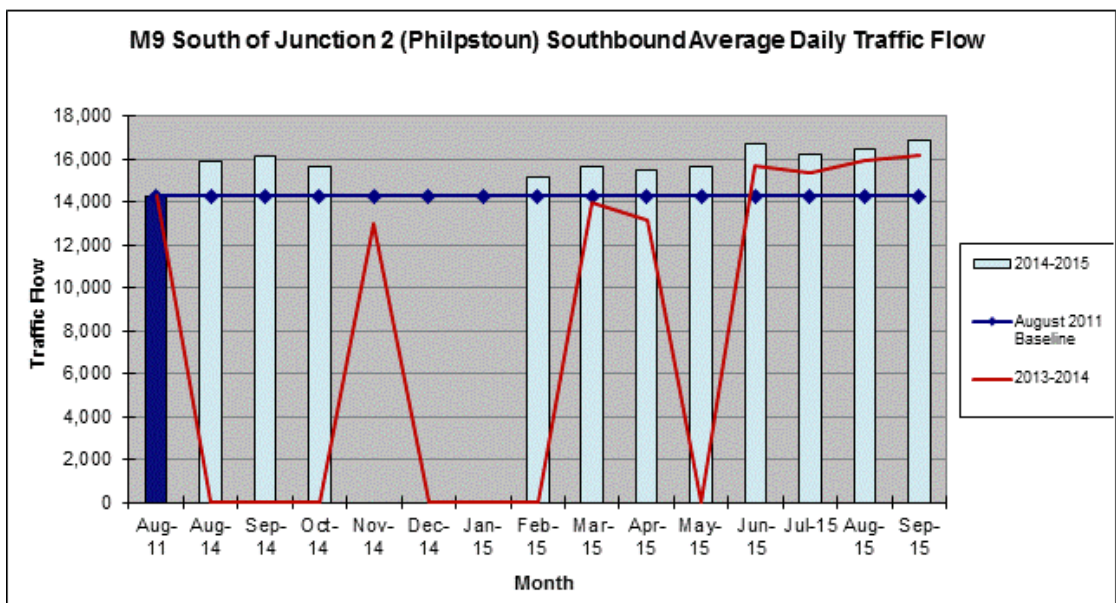


Figure 3-9 Monthly Southbound AADTs on the M9 South of Junction 2 (Philpstoun)

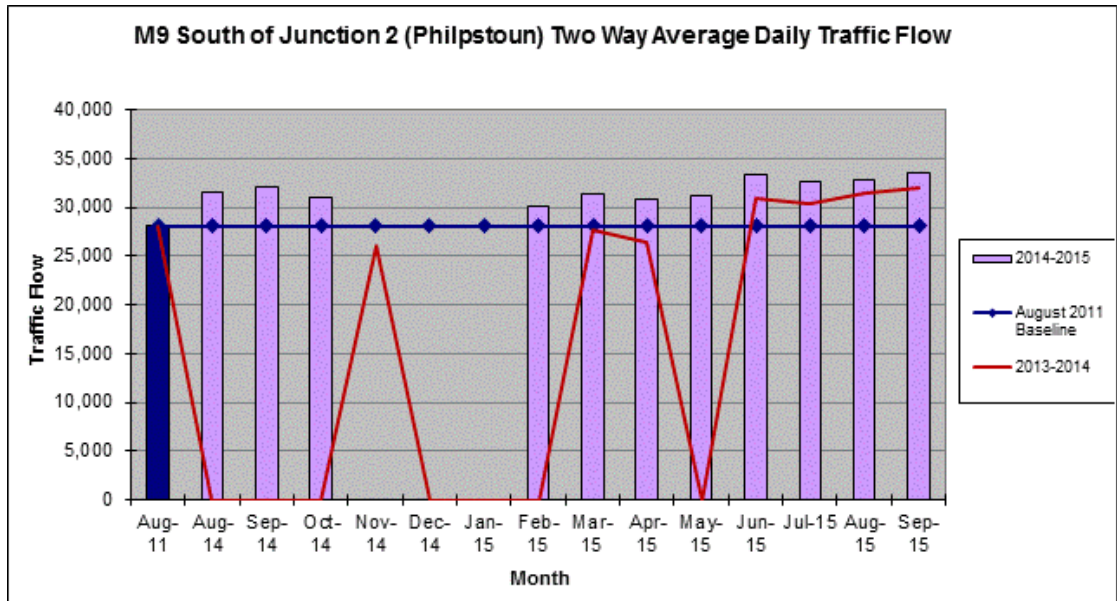


Figure 3-10 Monthly Two Way Daily Traffic Flows on the M9 South of Junction 2 (Philpstoun)

### 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 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	6,210	6,872
		Aug-14	6,381	7,332
		Sep-14	7,259	7,628
		Oct-14	6,759	7,409
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	6,886	7,234
		Mar-15	7,077	7,447
		Apr-15	6,494	7,218
		May-15	6,550	7,198
		Jun-15	7,154	7,805
		Jul-15	6,615	7,550
		Aug-15	6,547	7,671
Sep-15	7,363	7,920		
	<b>Annual Average</b>	<b>6,797</b>	<b>7,425</b>	



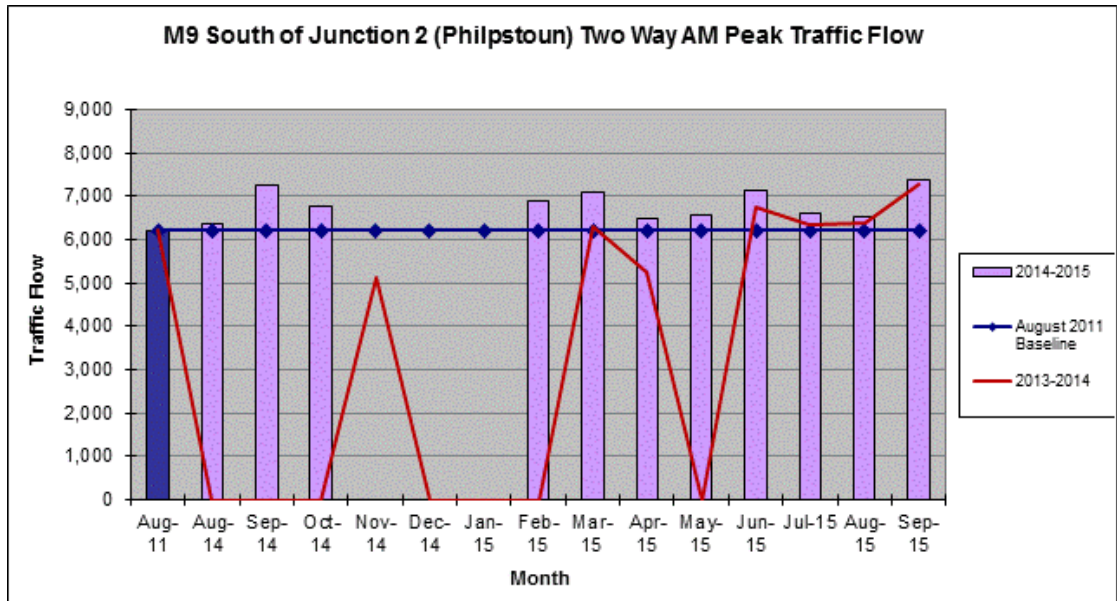


Figure 3-11 Monthly Two Way AM Peak Flows on the M9 South of Junction 2 (Philpstoun)

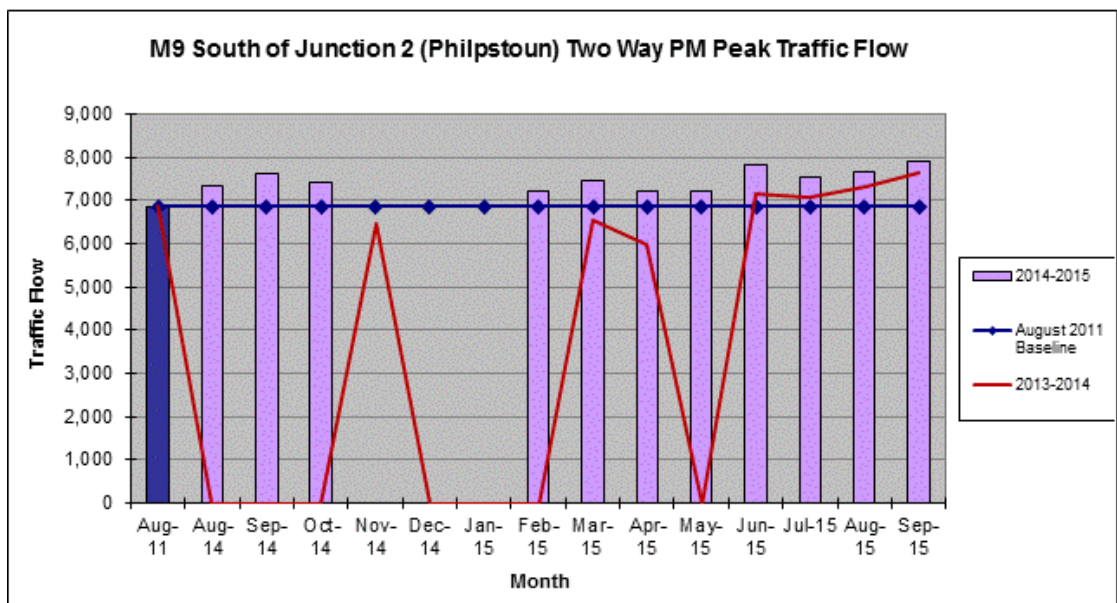


Figure 3-12 Monthly Two Way PM Peak Flows on the M9 South of Junction 2 (Philpstoun)

### 3.2.3 Monthly Average HGV Flows

Table 3-7 Site: JTC00439 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-11	1,018
		Aug-14	1,328
		Sep-14	1,491
		Oct-14	1,364
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	1,318
		Mar-15	1,432
		Apr-15	1,323
		May-15	1,272
		Jun-15	1,628
		Jul-15	1,702
		Aug-15	1,282
		Sep-15	1,439

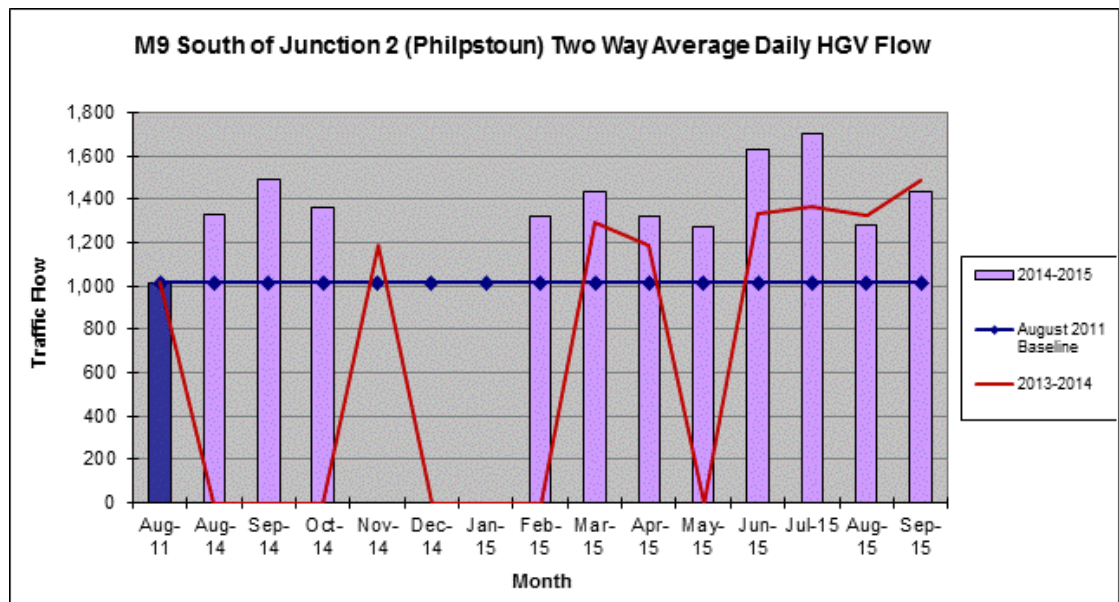
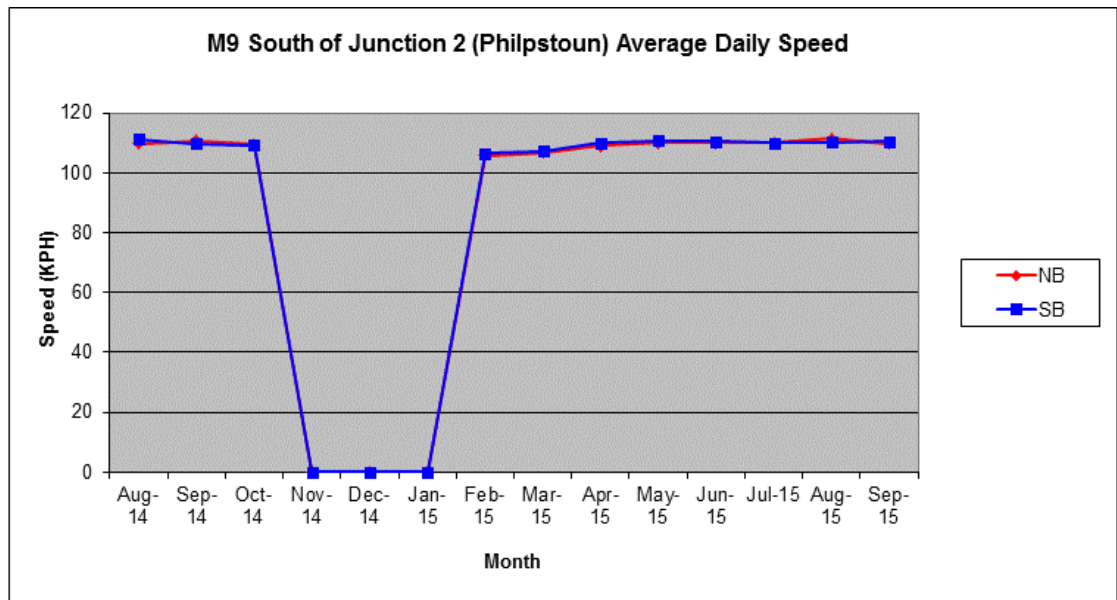


Figure 3-13 Monthly Two Way HGV Traffic Flows on the M9 South of Junction 2 (Philpstoun)

### 3.2.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-8 Site: JTC00439 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00439	M9 South of Junction 2 (Philpstoun)	Aug-14	110	111
		Sep-14	111	110
		Oct-14	109	109
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	106	106
		Mar-15	107	107
		Apr-15	109	110
		May-15	110	111
		Jun-15	110	110
		Jul-15	110	110
		Aug-15	111	110
		Sep-15	110	110



**Figure 3-14 Average Monthly Traffic Speeds (KPH) on the M9 South of Junction 2 (Philpstoun)**

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

Summary of statistics between August 2014 and September 2015:

- Traffic flows have been relatively consistent throughout this monitoring period.
- There is a decrease in HGV traffic volume in August 2015 and September 2015 when compared with August 2014 and September 2014.

#### 3.3.1 Monthly Average Traffic Flows

**Table 3-9 Site: JTC06460 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
JTC06460	A823 (M) to M90 Junction 2 Southbound On-Ramp	Aug-11	No Data
		Aug-14	5,937
		Sep-14	5,919
		Oct-14	5,739
		Nov-14	6,033
		Dec-14	5,557
		Jan-15	5,391
		Feb-15	5,846
		Mar-15	6,008
		Apr-15	5,853
		May-15	5,819
		Jun-15	5,924
		Jul-15	5,651
		Aug-15	5,845
		Sep-15	5,824
	<b>Annual Average</b>	<b>5,806</b>	

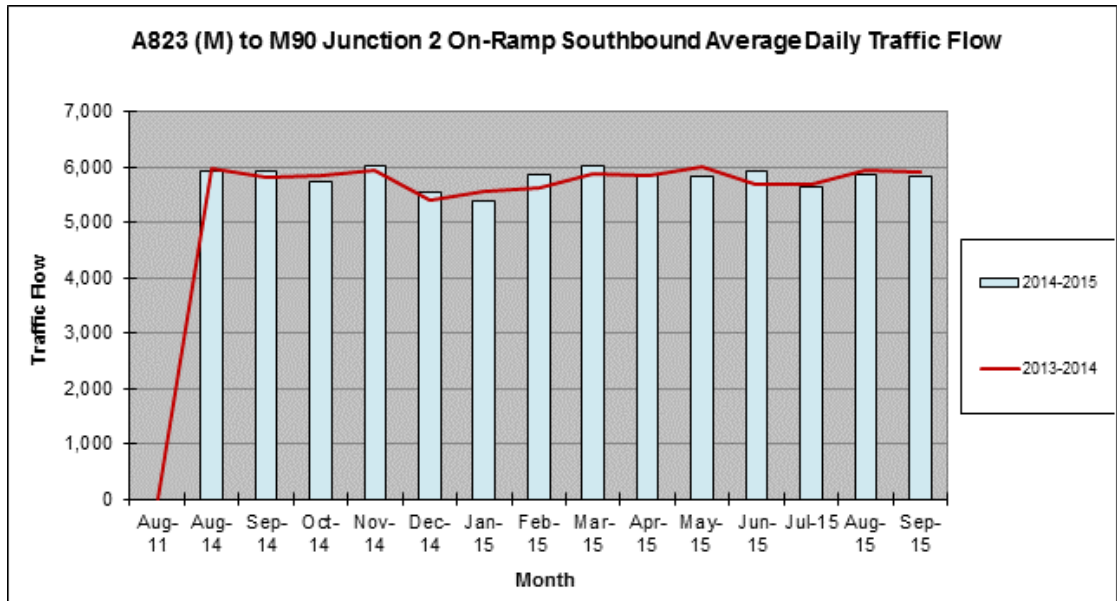


Figure 3-15 Monthly AADTs on the A823 (M) to M90 Junction 2 Southbound On-Ramp

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

Table 3-10 Site: JTC06460 Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC06460	A823 (M) to M90 Junction 2 Southbound On-Ramp	Aug-11	No Data	No Data
		Aug-14	1,113	1,034
		Sep-14	1,110	1,062
		Oct-14	1,094	1,055
		Nov-14	1,244	1,336
		Dec-14	1,047	1,170
		Jan-15	1,064	1,223
		Feb-15	1,151	1,321
		Mar-15	1,198	1,334
		Apr-15	1,107	1,030
		May-15	1,079	1,012
		Jun-15	1,108	1,015
		Jul-15	1,073	950
		Aug-15	1,100	982
Sep-15	1,092	1,016		
	<b>Annual Average</b>		<b>1,115</b>	<b>1,128</b>

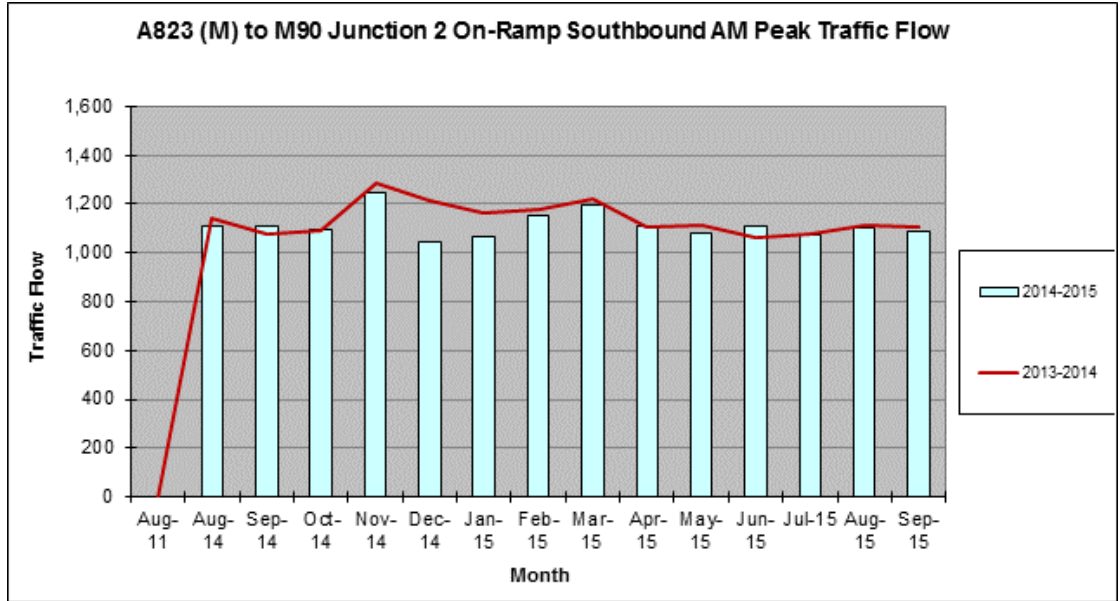


Figure 3-16 Monthly AM Peak Flows on the A823 (M) to M90 Junction 2 Southbound On-Ramp

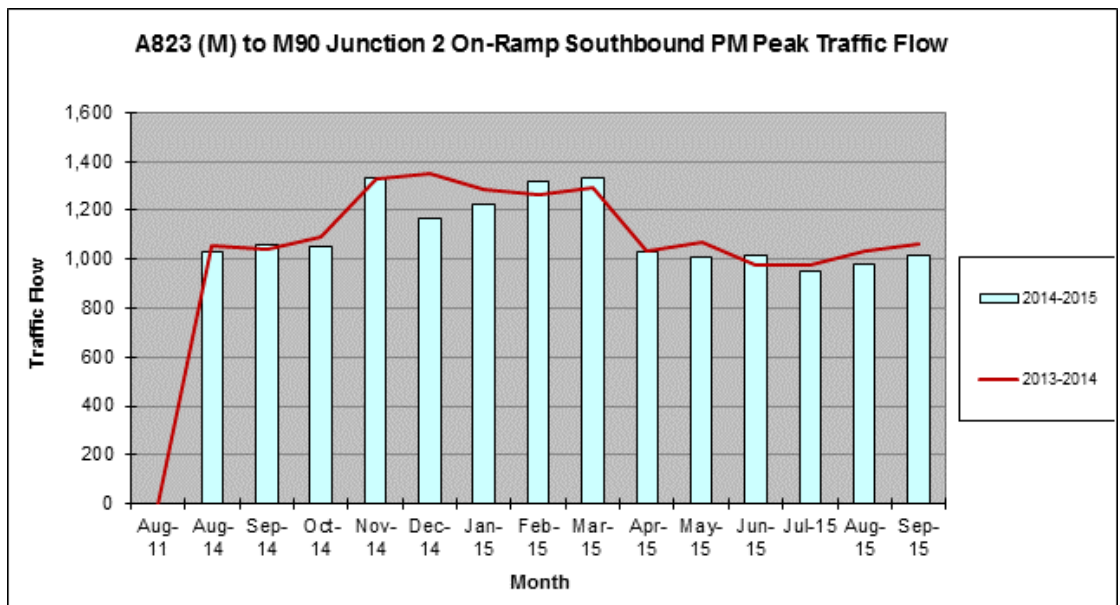


Figure 3-17 Monthly PM Peak Flows on the A823 (M) to M90 Junction 2 Southbound On-Ramp



### 3.3.3 Monthly Average HGV Flows

Table 3-11 Site: JTC06460 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
JTC06460	A823 (M) to M90 Junction 2 Southbound On-Ramp	Aug-11	No Data
		Aug-14	116
		Sep-14	126
		Oct-14	111
		Nov-14	83
		Dec-14	76
		Jan-15	75
		Feb-15	80
		Mar-15	86
		Apr-15	78
		May-15	85
		Jun-15	90
		Jul-15	93
		Aug-15	82
		Sep-15	86
<b>Annual Average</b>			<b>92</b>

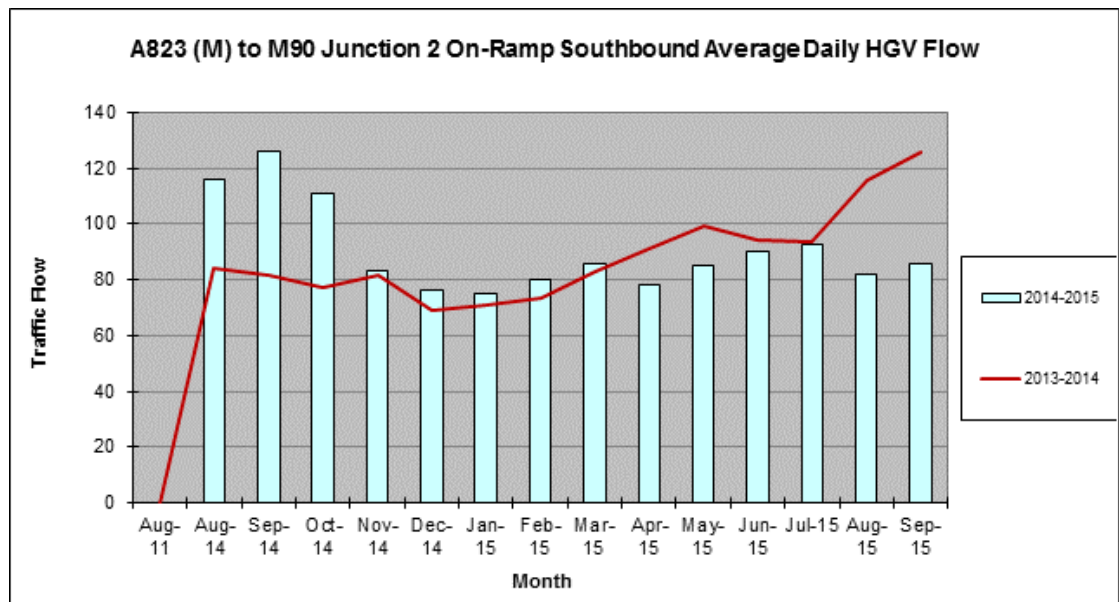
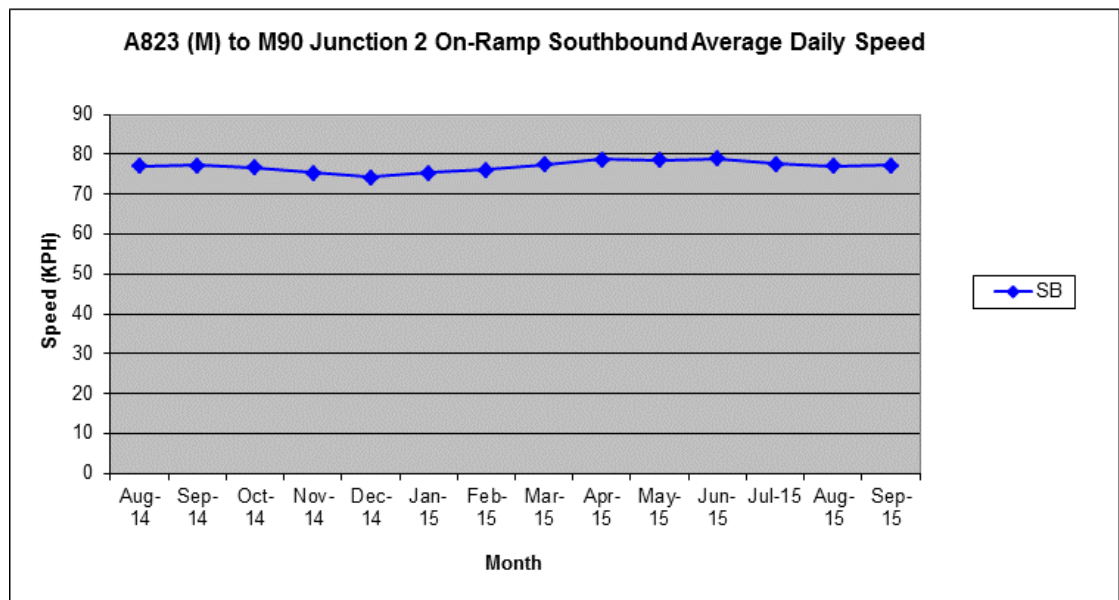


Figure 3-18 Monthly HGV Traffic Flows on the A823 (M) to M90 Junction 2 Southbound On-Ramp

### 3.3.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-12 Site: JTC06460 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
JTC06460	A823 (M) to M90 Junction 2 Southbound On-Ramp	Aug-14	77
		Sep-14	77
		Oct-14	77
		Nov-14	75
		Dec-14	74
		Jan-15	75
		Feb-15	76
		Mar-15	78
		Apr-15	79
		May-15	79
		Jun-15	79
		Jul-15	78
		Aug-15	77
		Sep-15	77



**Figure 3-19 Average Monthly Traffic Speeds (KPH) on the A823 (M) to M90 Junction 2 Southbound On-Ramp**



### 3.4 Traffic Counter JTC00589 - A8000 / M9 Spur Northbound

Summary of statistics between August 2014 and September 2015:

- Traffic flows are indicative of typical seasonal variation; with lower flows from November to February and higher flows over the summer months
- HGV flows on this route have increased from the 2011 baseline, however general traffic remains at a similar level.

#### 3.4.1 Monthly Average Traffic Flows

**Table 3-13 Site: JTC00589 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	19,549
		Aug-14	20,698
		Sep-14	21,044
		Oct-14	20,431
		Nov-14	19,554
		Dec-14	No Data
		Jan-15	17,639
		Feb-15	19,551
		Mar-15	19,856
		Apr-15	20,723
		May-15	20,624
		Jun-15	21,083
		Jul-15	21,688
		Aug-15	21,351
		Sep-15	21,418
		<b>Annual Average</b>	<b>20,263</b>

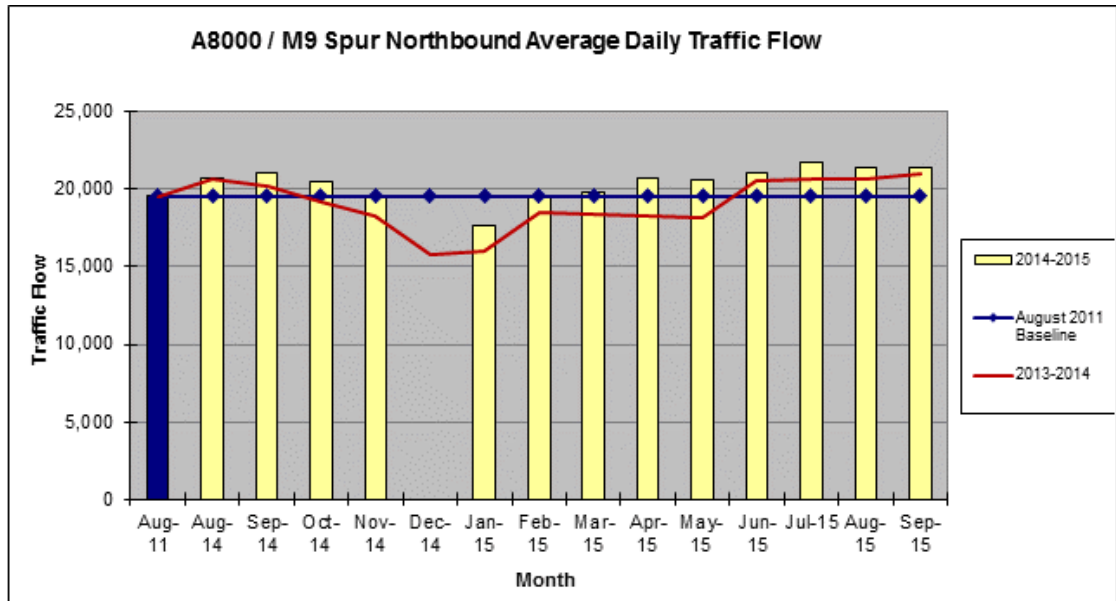


Figure 3-20 Monthly AADTs on the A8000 / M9 Spur Northbound

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

Table 3-14 Site: JTC00589 Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00589	A8000 / M9 Spur Northbound	Aug-11	3,326	4,449
		Aug-14	3,518	4,297
		Sep-14	3,904	4,466
		Oct-14	3,725	4,466
		Nov-14	3,260	4,725
		Dec-14	No Data	No Data
		Jan-15	2,828	4,342
		Feb-15	3,199	4,635
		Mar-15	3,333	4,644
		Apr-15	3,450	4,498
		May-15	3,424	4,525
		Jun-15	3,612	4,494
		Jul-15	3,681	4,523
		Aug-15	3,600	4,350
Sep-15	3,755	4,382		
	<b>Annual Average</b>	<b>3,448</b>	<b>4,511</b>	

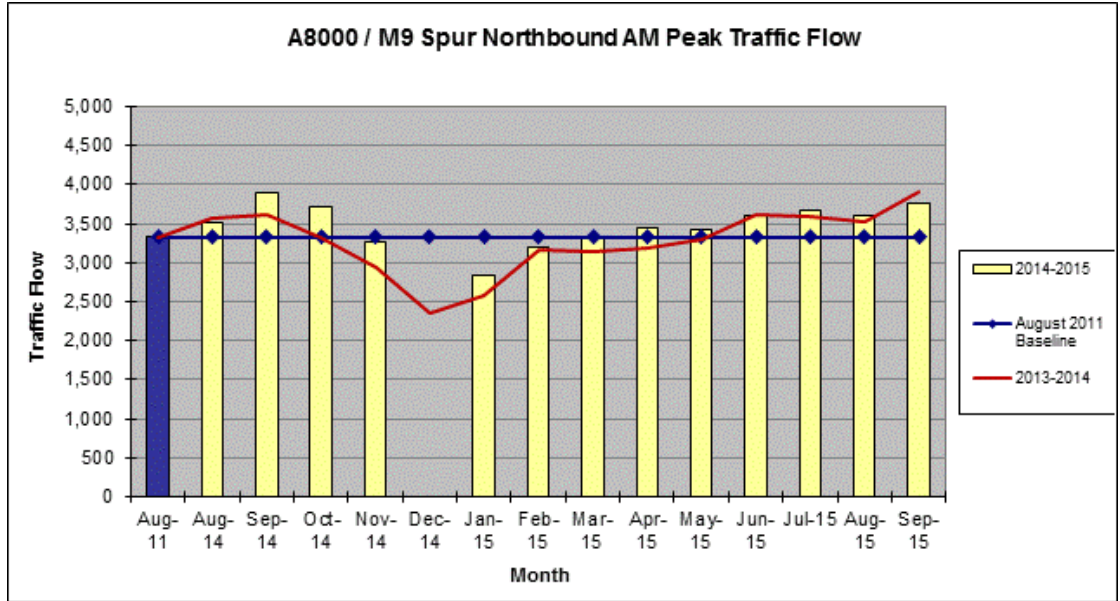


Figure 3-21 Monthly AM Peak Flows on the A8000 / M9 Spur Northbound

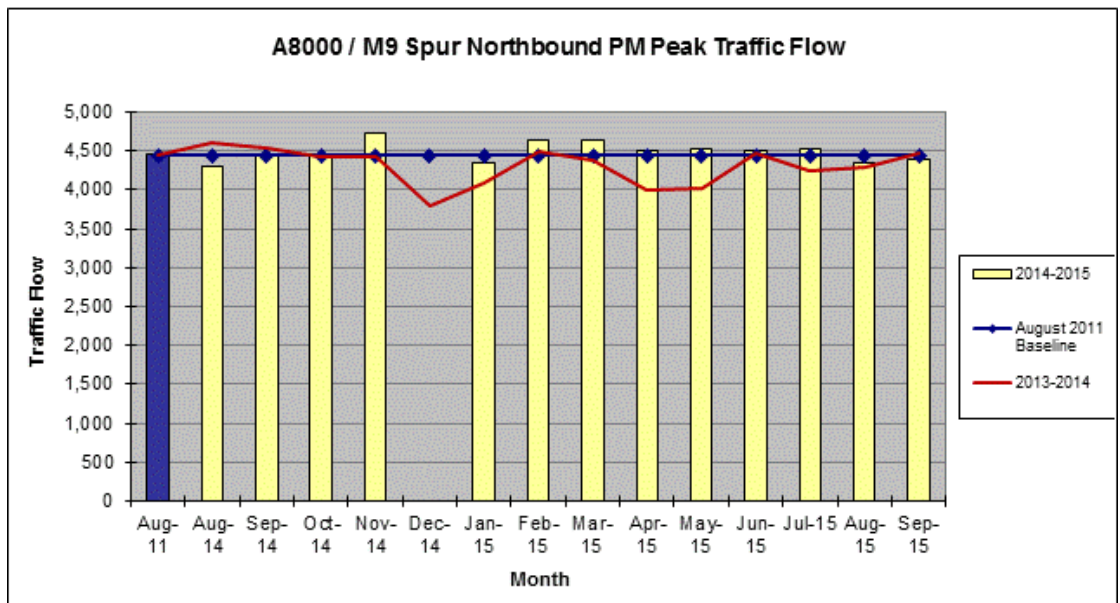


Figure 3-22 Monthly PM Peak Flows on the A8000 / M9 Spur Northbound

### 3.4.3 Monthly Average HGV Flows

Table 3-15 Site: JTC00589 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-11	1,122
		Aug-14	1,277
		Sep-14	1,476
		Oct-14	1,412
		Nov-14	1,338
		Dec-14	No Data
		Jan-15	1,148
		Feb-15	1,293
		Mar-15	1,266
		Apr-15	1,294
		May-15	1,269
		Jun-15	1,312
		Jul-15	1,347
		Aug-15	1,279
		Sep-15	1,454
		<b>Annual Average</b>	<b>1,312</b>

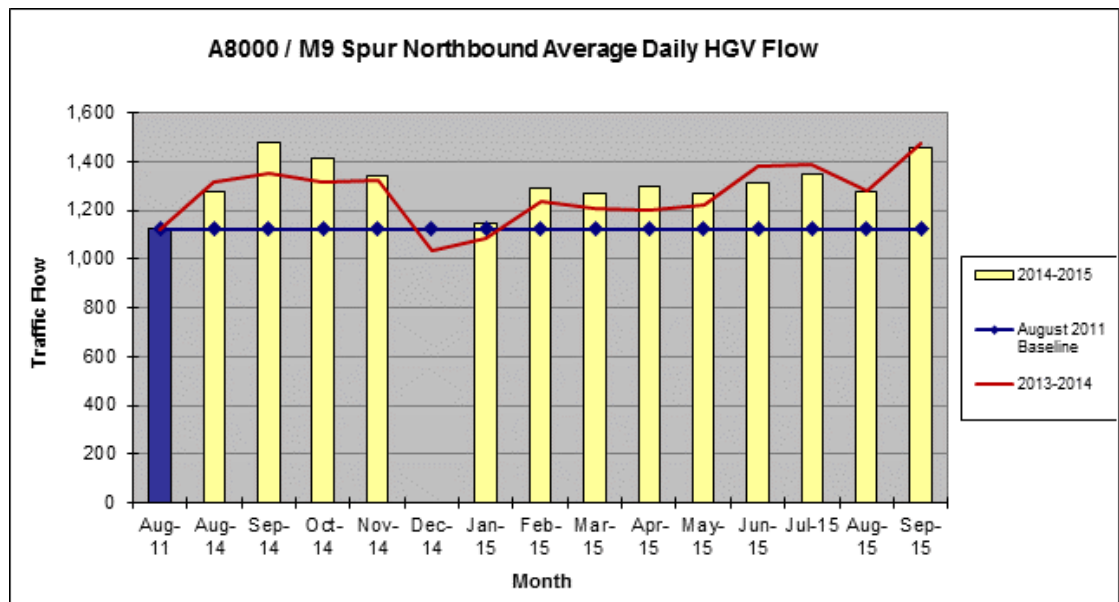
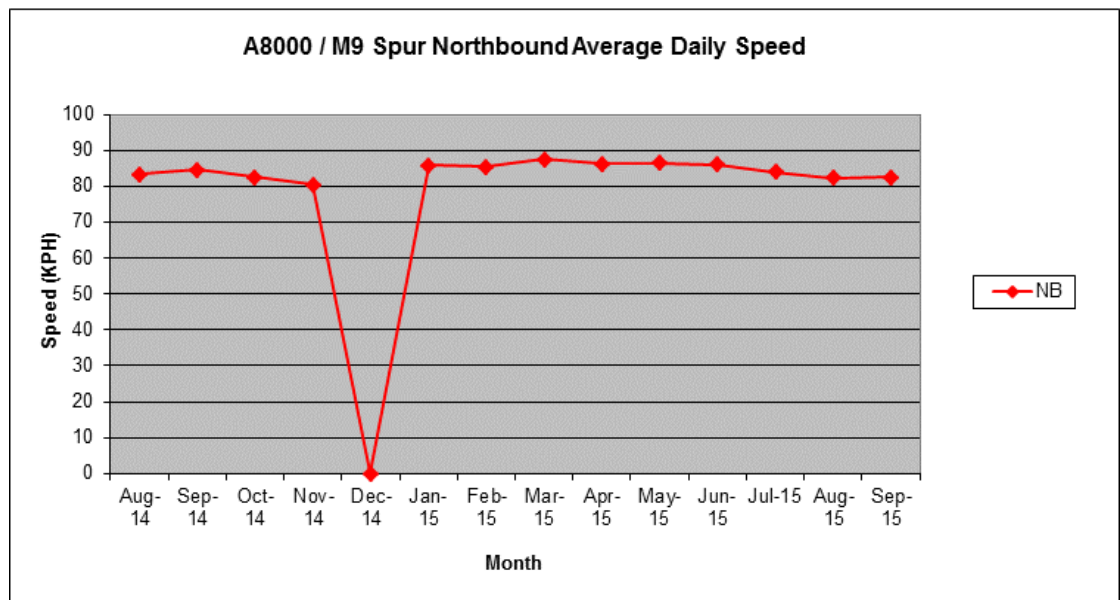


Figure 3-23 Monthly HGV Traffic Flows on the A8000 / M9 Spur Northbound

### 3.4.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-16 Site: JTC00589 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
JTC00589	A8000 / M9 Spur Northbound	Aug-14	83
		Sep-14	85
		Oct-14	83
		Nov-14	81
		Dec-14	No Data
		Jan-15	86
		Feb-15	85
		Mar-15	88
		Apr-15	86
		May-15	87
		Jun-15	86
		Jul-15	84
		Aug-15	82
		Sep-15	83



**Figure 3-24 Average Monthly Traffic Speeds (KPH) on the A8000 / M9 Spur Northbound**

### 3.5 Traffic Counter JTC00590 - A8000 / M9 Spur Southbound

Summary of statistics between August 2014 and September 2015:

- Traffic flows are indicative of typical seasonal variation; with lower flows in December 2014 and January 2015 and higher flows over the summer months.
- 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 3-17 Site: JTC00590 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	20,468
		Aug-14	22,107
		Sep-14	22,064
		Oct-14	21,467
		Nov-14	20,583
		Dec-14	18,071
		Jan-15	17,487
		Feb-15	19,703
		Mar-15	No Data
		Apr-15	No Data
		May-15	No Data
		Jun-15	22,149
		Jul-15	No Data
		Aug-15	No Data
		Sep-15	No Data
		<b>Annual Average</b>	<b>20,454</b>

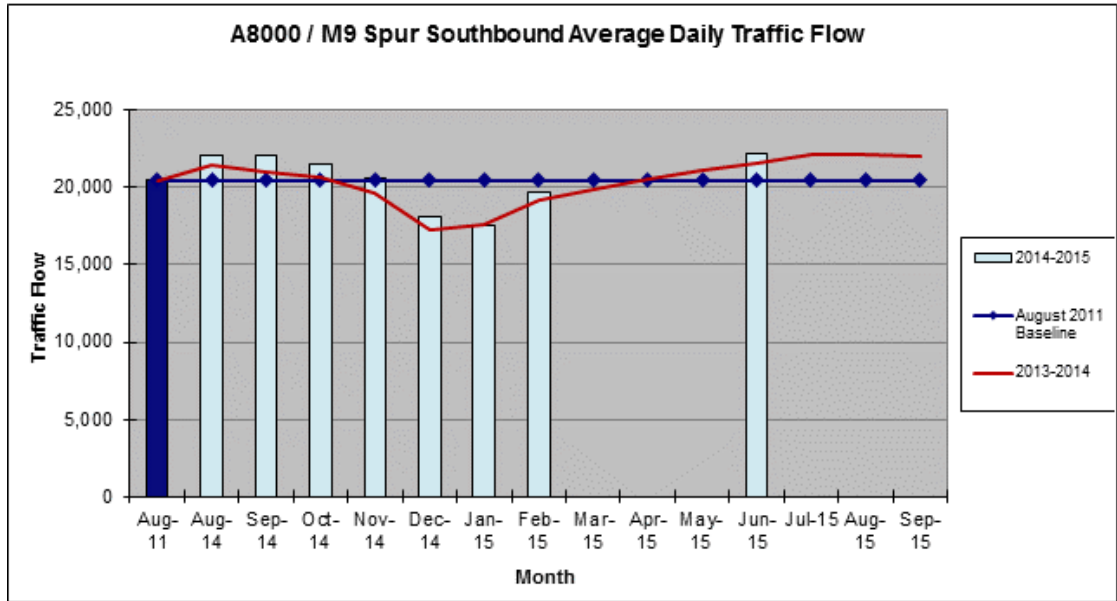


Figure 3-25 Monthly AADTs on the A8000 / M9 Spur Southbound

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

Table 3-18 Site: JTC00590 Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00590	A8000 / M9 Spur Southbound	Aug-11	3,966	4,031
		Aug-14	4,127	4,383
		Sep-14	4,422	4,500
		Oct-14	4,333	4,302
		Nov-14	3,901	4,450
		Dec-14	3,119	3,737
		Jan-15	3,303	3,905
		Feb-15	3,862	4,394
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	No Data	No Data
		Jun-15	4,174	4,306
		Jul-15	No Data	No Data
		Aug-15	No Data	No Data
		Sep-15	No Data	No Data
	<b>Annual Average</b>	<b>3,905</b>	<b>4,247</b>	

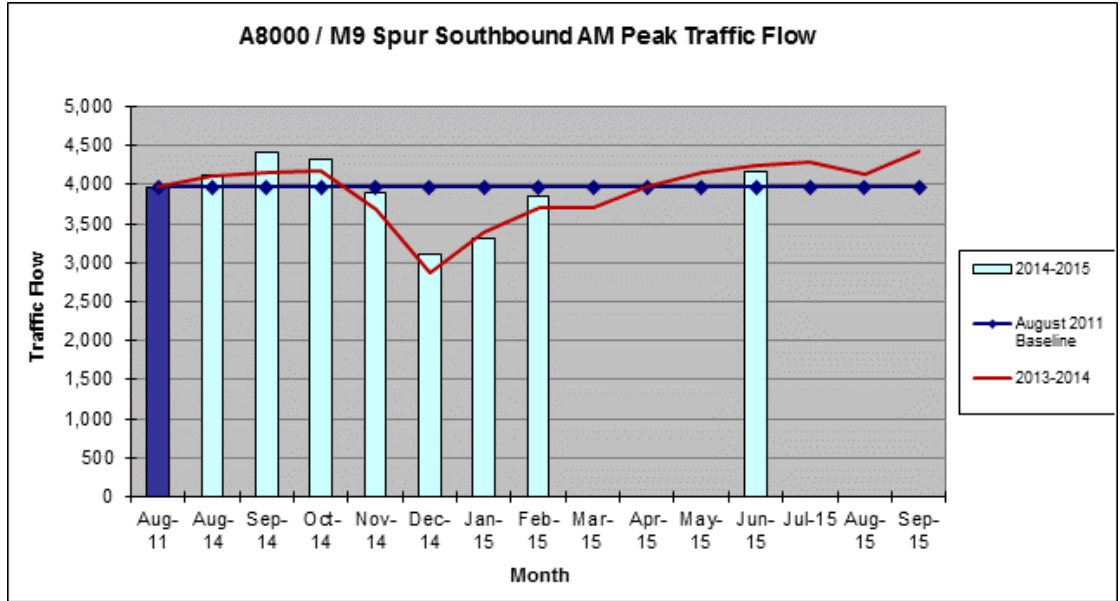


Figure 3-26 Monthly AM Peak Flows on the A8000 / M9 Spur Southbound

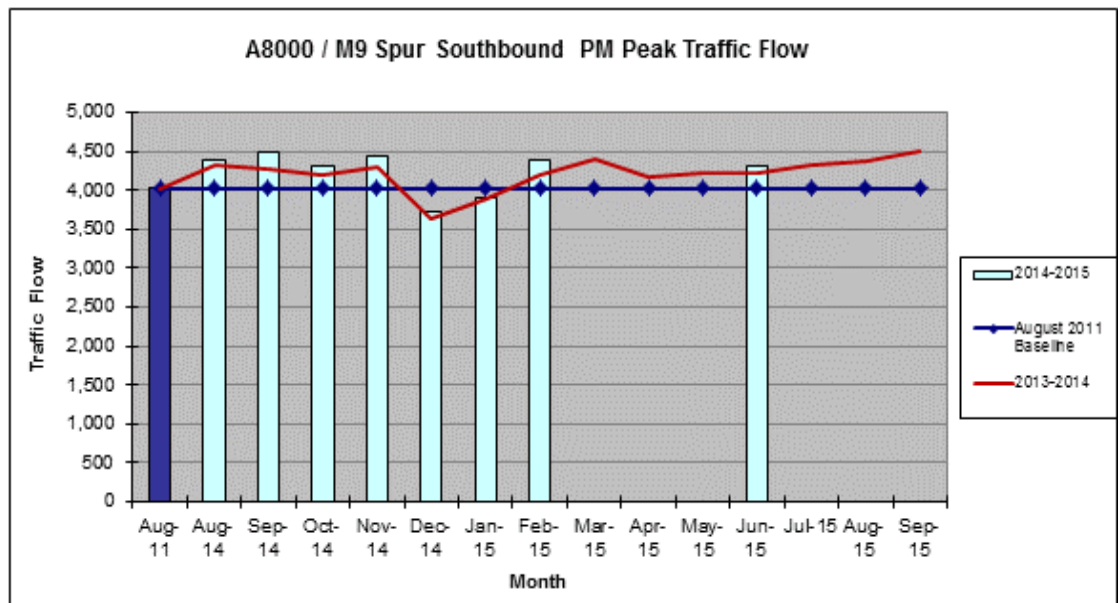


Figure 3-27 Monthly PM Peak Flows on the A8000 / M9 Spur Southbound



### 3.5.3 Monthly Average HGV Flows

Table 3-19 Site: JTC00590 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-11	1,139
		Aug-14	1,331
		Sep-14	1,479
		Oct-14	1,416
		Nov-14	1,408
		Dec-14	1,119
		Jan-15	1,070
		Feb-15	1,343
		Mar-15	No Data
		Apr-15	No Data
		May-15	No Data
		Jun-15	1,341
		Jul-15	No Data
		Aug-15	No Data
		Sep-15	No Data

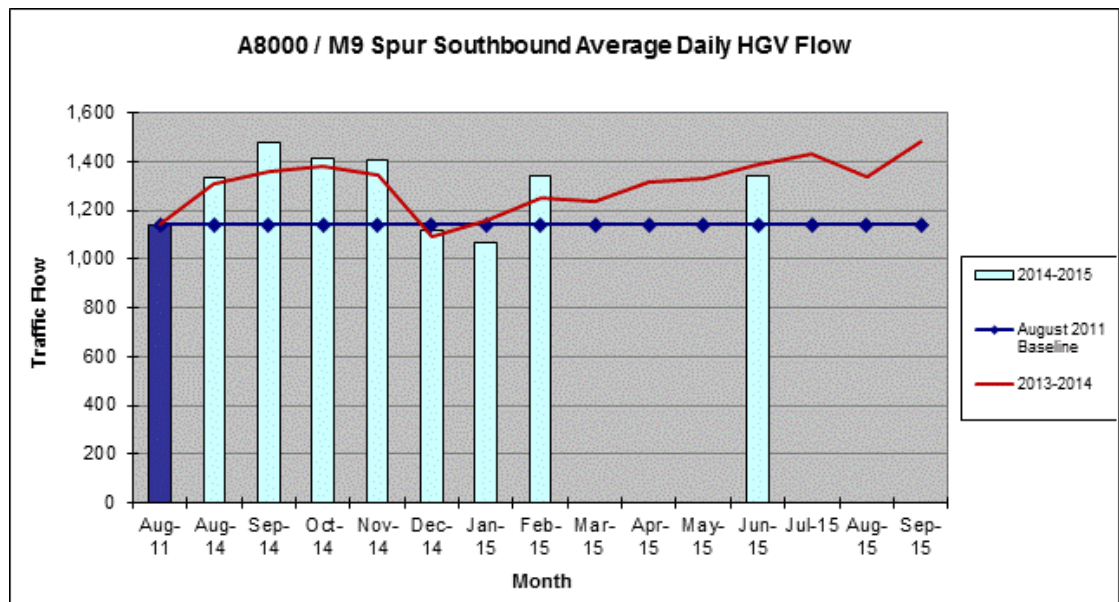
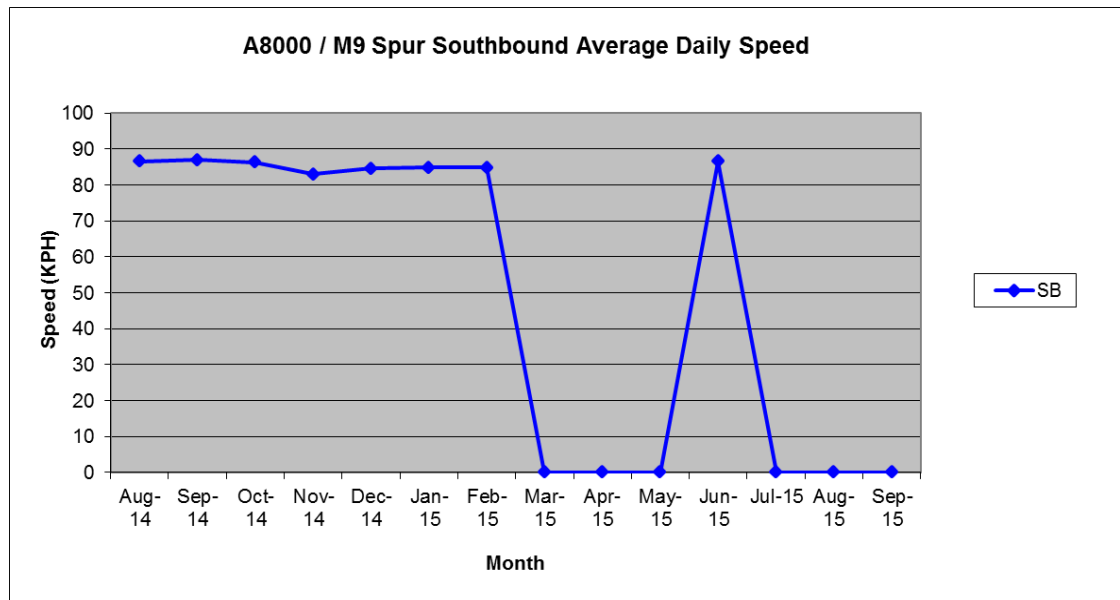


Figure 3-28 Monthly HGV Traffic Flows on the A8000 / M9 Spur Southbound

### 3.5.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-20 Site: JTC00590 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
JTC00590	A8000 / M9 Spur Southbound	Aug-14	87
		Sep-14	87
		Oct-14	86
		Nov-14	83
		Dec-14	85
		Jan-15	85
		Feb-15	85
		Mar-15	No Data
		Apr-15	No Data
		May-15	No Data
		Jun-15	87
		Jul-15	No Data
		Aug-15	No Data
		Sep-15	No Data



**Figure 3-29 Average Monthly Traffic Speeds (KPH) on the A8000 / M9 Spur Southbound**

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

Summary of statistics between August 2014 and September 2015:

- Traffic levels have remained relatively consistent, with the exception of December 2014 where traffic flows reduced.
- HGV flows follow a similar pattern to general traffic, with the exception of September 2015 which is higher than previous months.

#### 3.6.1 Monthly Average Traffic Flows

**Table 3-21 Site: JTC06450 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
JTC06450	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	No Data
		Aug-14	3,114
		Sep-14	3,209
		Oct-14	3,191
		Nov-14	3,254
		Dec-14	2,854
		Jan-15	2,983
		Feb-15	3,242
		Mar-15	3,265
		Apr-15	3,252
		May-15	3,219
		Jun-15	3,347
		Jul-15	3,238
		Aug-15	3,422
		Sep-15	3,608
		<b>Annual Average</b>	<b>3,181</b>

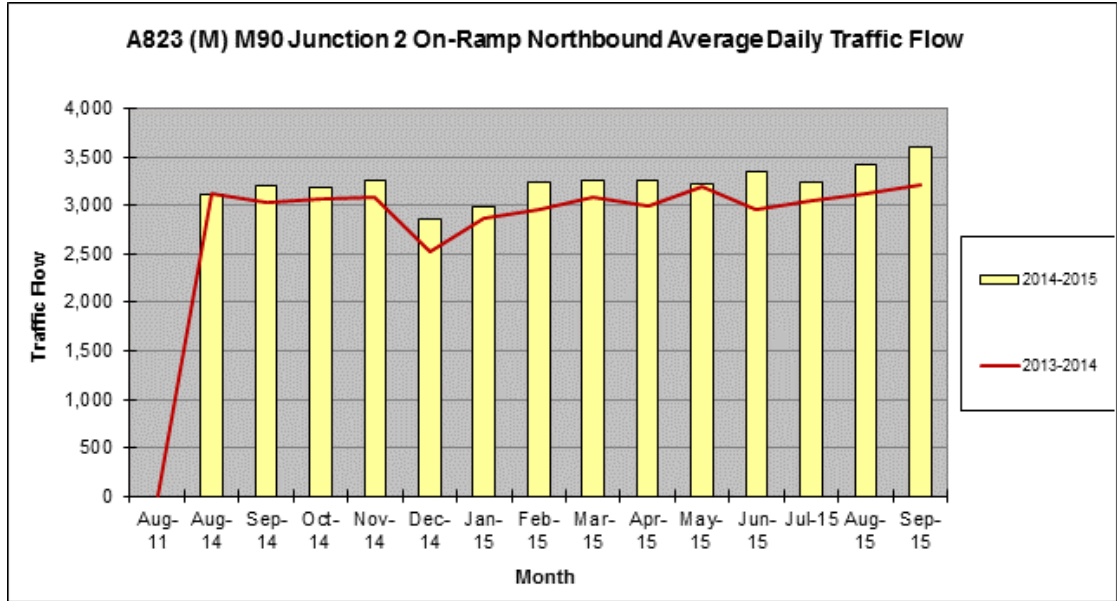


Figure 3-30 Monthly AADTs on the A823 (M) M90 Junction 2 Northbound On-Ramp

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

Table 3-22 Site: JTC06450 Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC06450	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	No Data	No Data
		Aug-14	495	719
		Sep-14	527	754
		Oct-14	513	798
		Nov-14	575	990
		Dec-14	464	790
		Jan-15	508	909
		Feb-15	577	982
		Mar-15	567	962
		Apr-15	519	747
		May-15	526	726
		Jun-15	540	768
		Jul-15	498	757
		Aug-15	529	803
Sep-15	588	859		
	<b>Annual Average</b>	<b>526</b>	<b>825</b>	

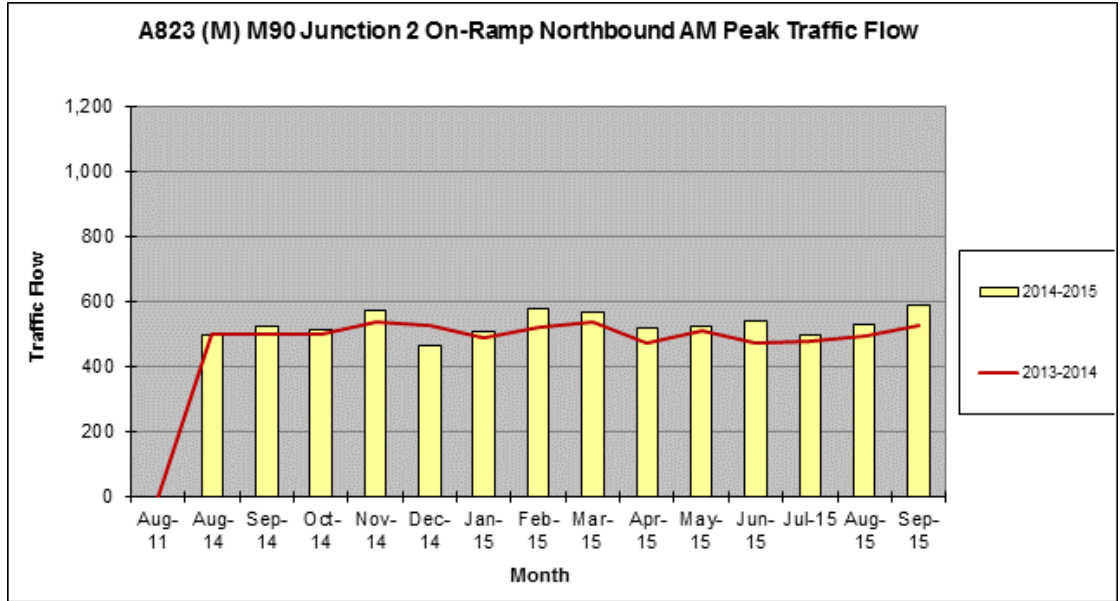


Figure 3-31 Monthly AM Peak Flows on the A823 (M) M90 Junction 2 Northbound On-Ramp

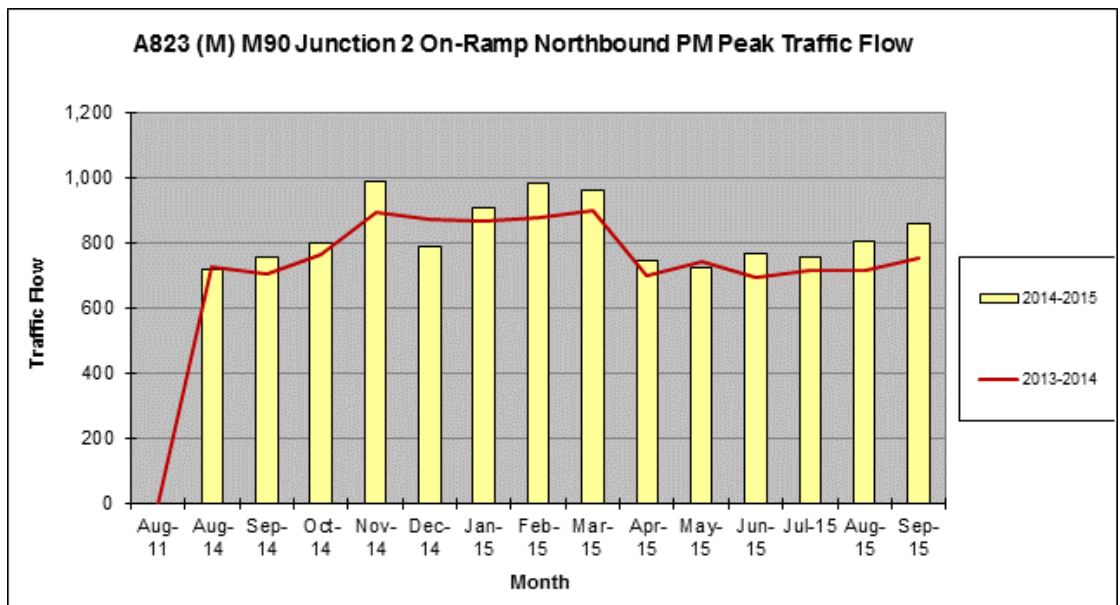


Figure 3-32 Monthly PM Peak Flows on the A823 (M) M90 Junction 2 Northbound On-Ramp

### 3.6.3 Monthly Average HGV Flows

Table 3-23 Site: JTC06450 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
JTC06450	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-11	No Data
		Aug-14	39
		Sep-14	38
		Oct-14	40
		Nov-14	38
		Dec-14	38
		Jan-15	40
		Feb-15	36
		Mar-15	36
		Apr-15	34
		May-15	35
		Jun-15	38
		Jul-15	41
		Aug-15	40
		Sep-15	50
		<b>Annual Average</b>	<b>38</b>

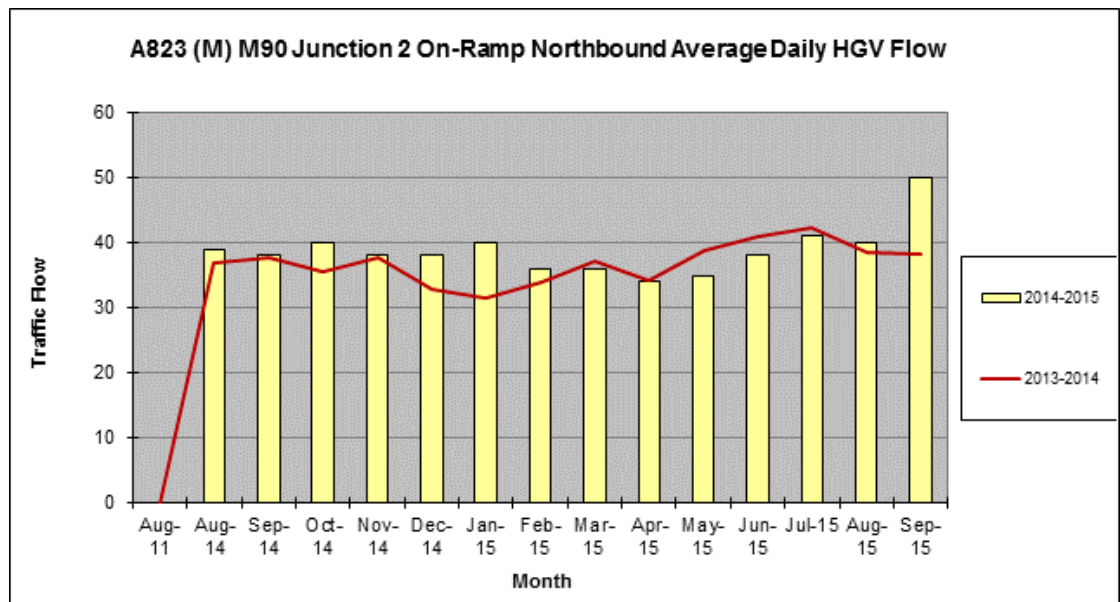
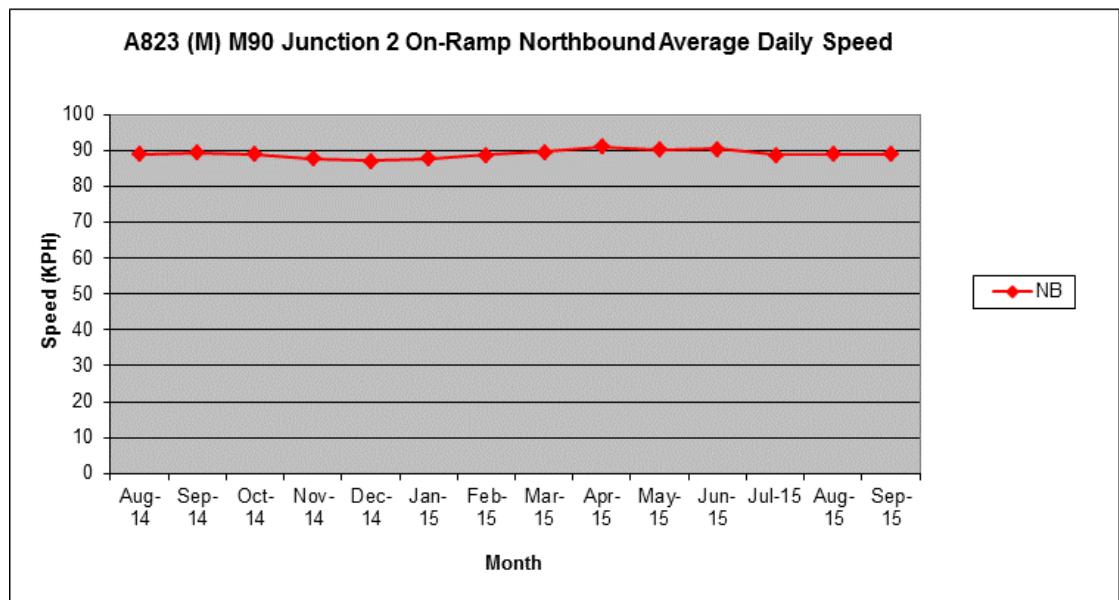


Figure 3-33 Monthly HGV Traffic Flows on the A823 (M) M90 Junction 2 Northbound On-Ramp

### 3.6.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-24 Site: JTC06450 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
JTC06450	A823 (M) M90 Junction 2 Northbound On-Ramp	Aug-14	89
		Sep-14	89
		Oct-14	89
		Nov-14	88
		Dec-14	87
		Jan-15	88
		Feb-15	89
		Mar-15	90
		Apr-15	91
		May-15	90
		Jun-15	90
		Jul-15	89
		Aug-15	89
Sep-15	89		



**Figure 3-34 Average Monthly Traffic Speeds (KPH) on the A823 (M) M90 Junction 2 On-Ramp Northbound**

### 3.7 Traffic Counter JTC06311 - M90 at J1 Northbound

Summary of statistics between August 2014 and September 2015:

- 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.
- Mis-classification of vehicles has been observed from November 2014 to July 2015.

#### 3.7.1 Monthly Average Traffic Flows

**Table 3-25 Site: JTC06311 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
JTC06311	M90 at J1 Northbound	Aug-11	24,497
		Aug-14	27,609
		Sep-14	27,265
		Oct-14	26,686
		Nov-14	26,276
		Dec-14	23,732
		Jan-15	22,849
		Feb-15	25,887
		Mar-15	26,279
		Apr-15	27,107
		May-15	26,864
		Jun-15	26,844
		Jul-15	27,789
		Aug-15	27,077
		Sep-15	26,891
	<b>Annual Average</b>	<b>26,266</b>	



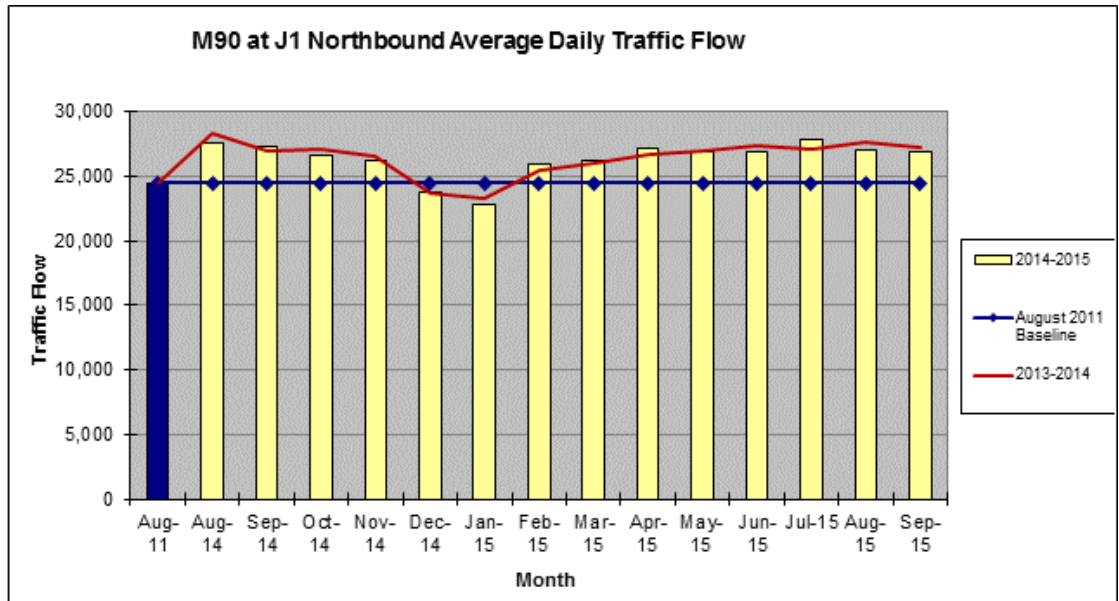


Figure 3-35 Monthly AADTs on the M90 at J1 Northbound

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

Table 3-26 Site: JTC06311 Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC06311	M90 at J1 Northbound	Aug-11	4,286	5,646
		Aug-14	4,663	5,646
		Sep-14	4,881	5,596
		Oct-14	4,757	5,751
		Nov-14	4,714	6,590
		Dec-14	3,770	5,807
		Jan-15	4,017	6,029
		Feb-15	4,672	6,632
		Mar-15	4,737	6,535
		Apr-15	4,608	5,580
		May-15	4,497	5,501
		Jun-15	4,599	5,611
		Jul-15	4,831	5,693
		Aug-15	4,584	5,591
Sep-15	4,815	5,499		
		<b>Annual Average</b>	<b>4,562</b>	<b>5,914</b>

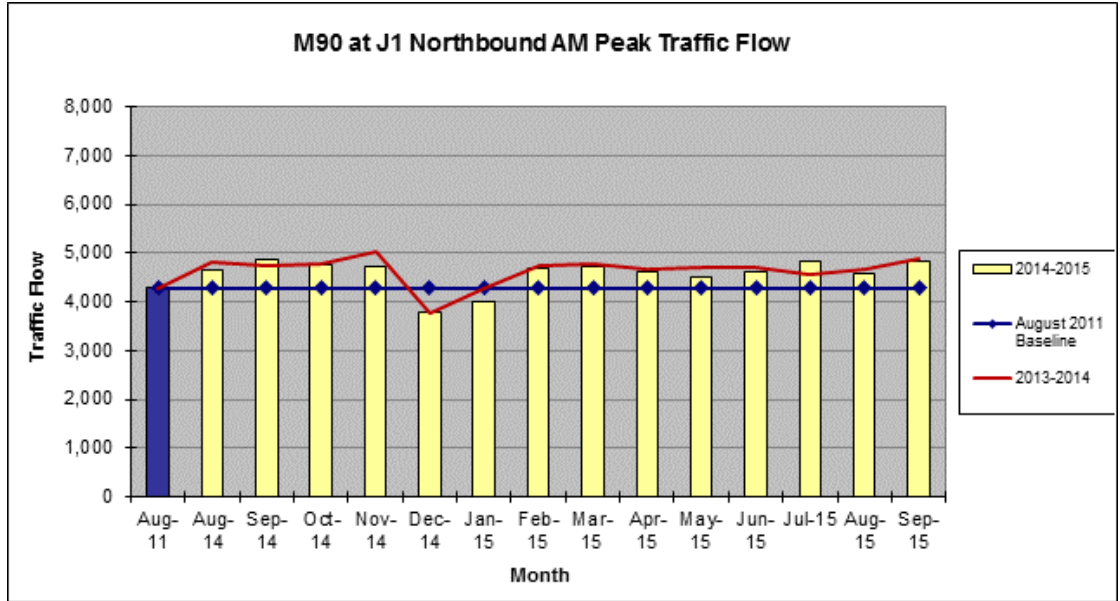


Figure 3-36 Monthly AM Peak Flows on the M90 at J1 Northbound

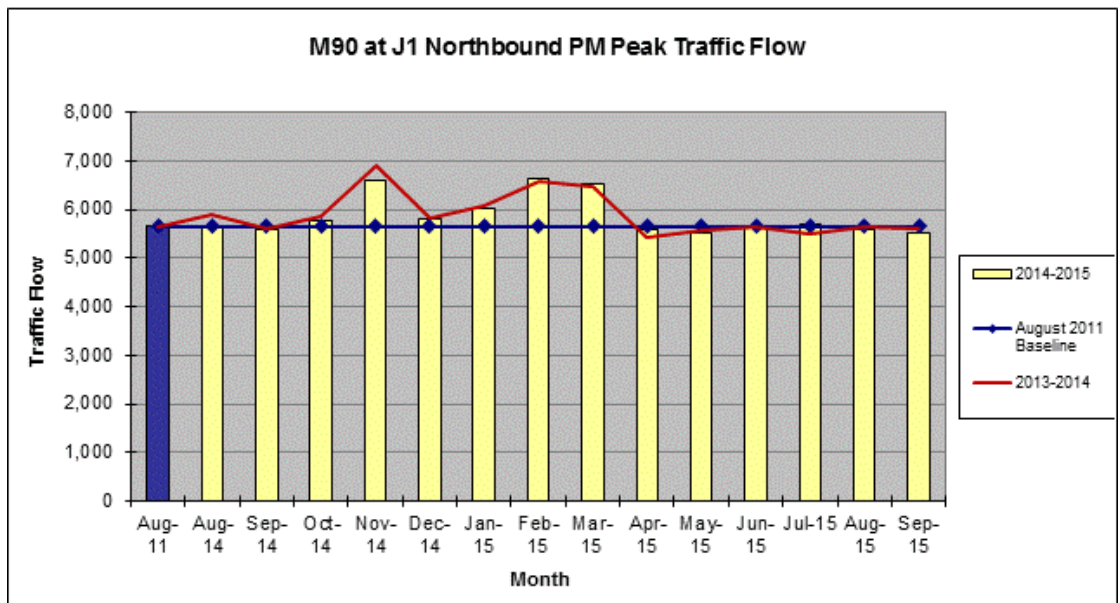


Figure 3-37 Monthly PM Peak Flows on the M90 at J1 Northbound

### 3.7.3 Monthly Average HGV Flows

Table 3-27 Site: JTC06311 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB	
JTC06311	M90 at J1 Northbound	Aug-11	1,206	
		Aug-14	1,023	
		Sep-14	1,195	
		Oct-14	1,303	
		Nov-14	No Data*	
		Dec-14	No Data*	
		Jan-15	No Data*	
		Feb-15	No Data*	
		Mar-15	No Data*	
		Apr-15	No Data*	
		May-15	No Data*	
		Jun-15	No Data*	
		Jul-15	No Data*	
		Aug-15	830	
		Sep-15	1,034	
		<b>Annual Average</b>		<b>1,174</b>

(\*) Mis-classification of vehicles.

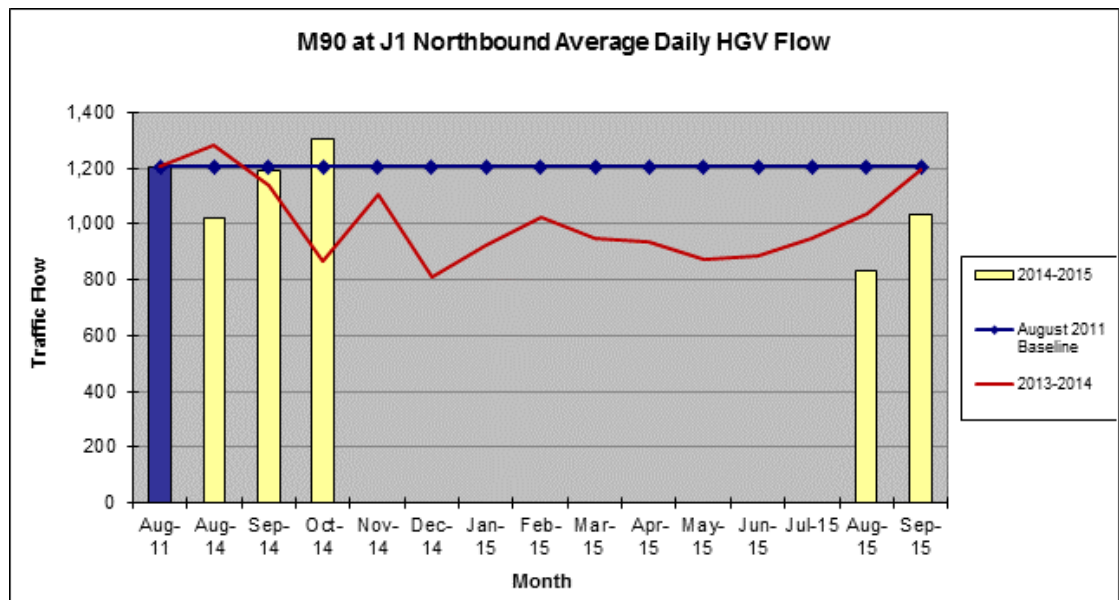


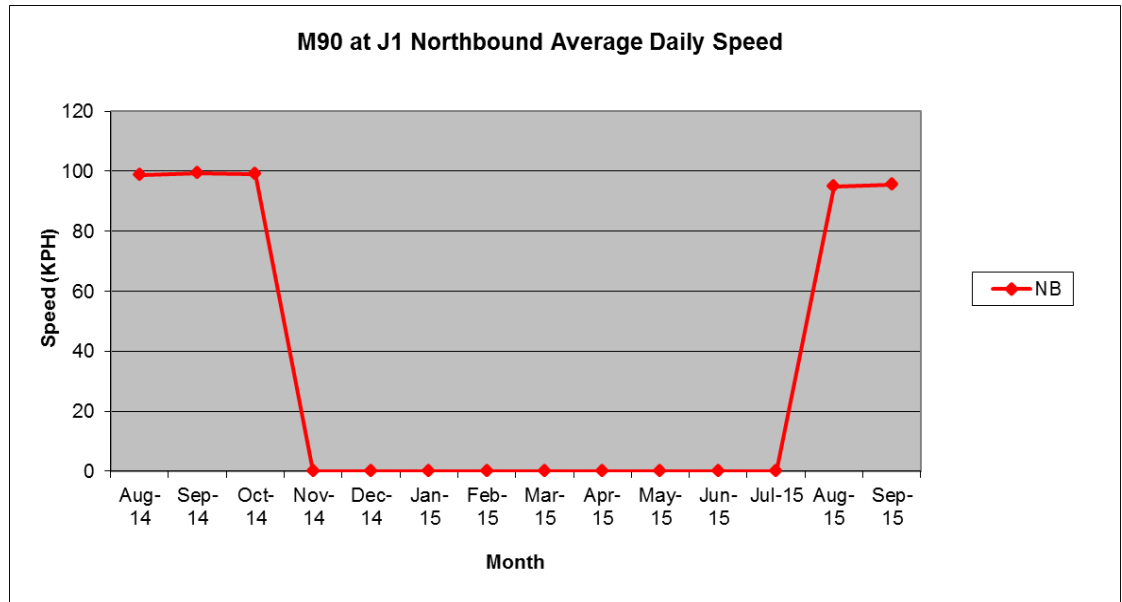
Figure 3-38 Monthly HGV Traffic Flows on the M90 at J1 Northbound

### 3.7.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-28 Site: JTC06311 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
JTC06311	M90 at J1 Northbound	Aug-14	99
		Sep-14	99
		Oct-14	99
		Nov-14	No Data*
		Dec-14	No Data*
		Jan-15	No Data*
		Feb-15	No Data*
		Mar-15	No Data*
		Apr-15	No Data*
		May-15	No Data*
		Jun-15	No Data*
		Jul-15	No Data*
		Aug-15	95
		Sep-15	96

(\*) Mis-classification of vehicles.



**Figure 3-39 Average Monthly Traffic Speeds (KPH) on the M90 at J1 Northbound**

### 3.8 Traffic Counter JTC06322 - M90 at J1 Southbound

Summary of statistics between August 2014 and September 2015:

- 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, except in the last three months when flows are higher than last year.

#### 3.8.1 Monthly Average Traffic Flows

**Table 3-29 Site: JTC06322 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
JTC06322	M90 at J1 Southbound	Aug-11	30,058
		Aug-14	27,497
		Sep-14	26,771
		Oct-14	25,726
		Nov-14	24,853
		Dec-14	22,413
		Jan-15	21,501
		Feb-15	24,352
		Mar-15	24,713
		Apr-15	26,111
		May-15	25,934
		Jun-15	26,429
		Jul-15	27,198
		Aug-15	26,875
		Sep-15	26,246
		<b>Annual Average</b>	<b>25,291</b>

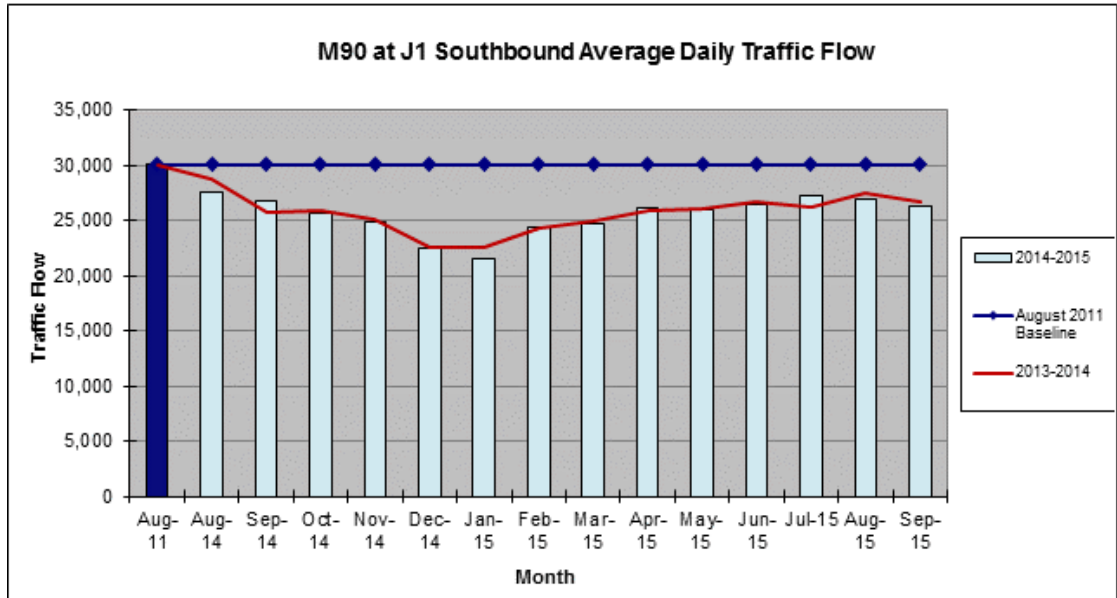


Figure 3-40 Monthly AADTs on the M90 at J1 Southbound

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

Table 3-30 Site: JTC06322 Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC06322	M90 at J1 Southbound	Aug-11	5,731	6,437
		Aug-14	4,890	4,803
		Sep-14	4,790	4,891
		Oct-14	4,592	4,718
		Nov-14	4,251	5,325
		Dec-14	3,614	4,466
		Jan-15	3,628	4,677
		Feb-15	4,146	5,308
		Mar-15	4,322	5,242
		Apr-15	4,614	4,601
		May-15	4,652	4,475
		Jun-15	4,799	4,407
		Jul-15	4,802	4,612
		Aug-15	4,741	4,615
Sep-15	4,705	4,568		
		<b>Annual Average</b>	<b>4,425</b>	<b>4,794</b>

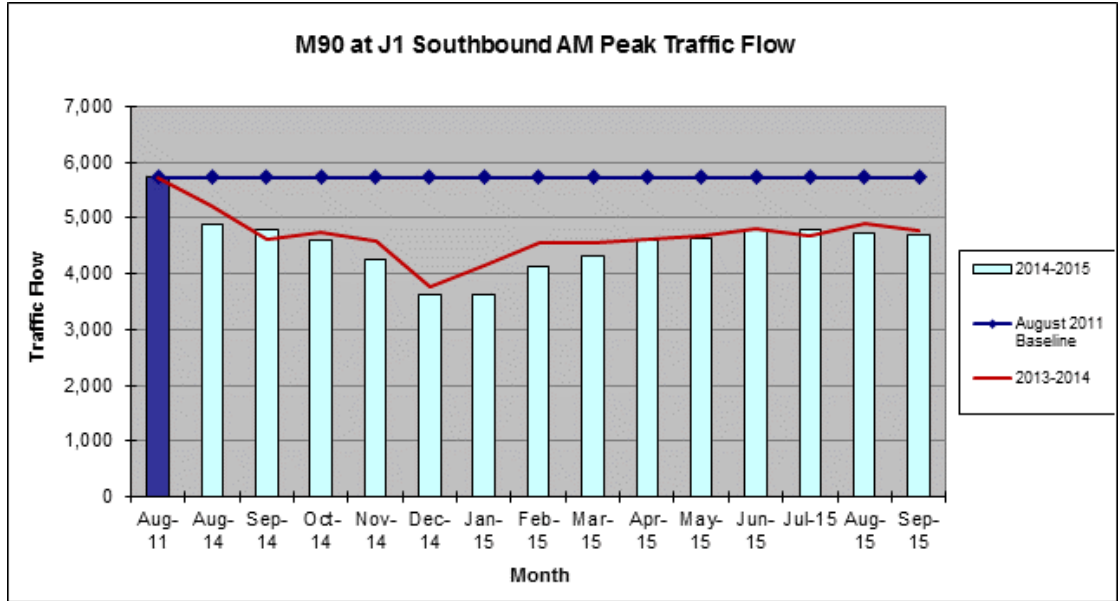


Figure 3-41 Monthly AM Peak Flows on the M90 at J1 Southbound

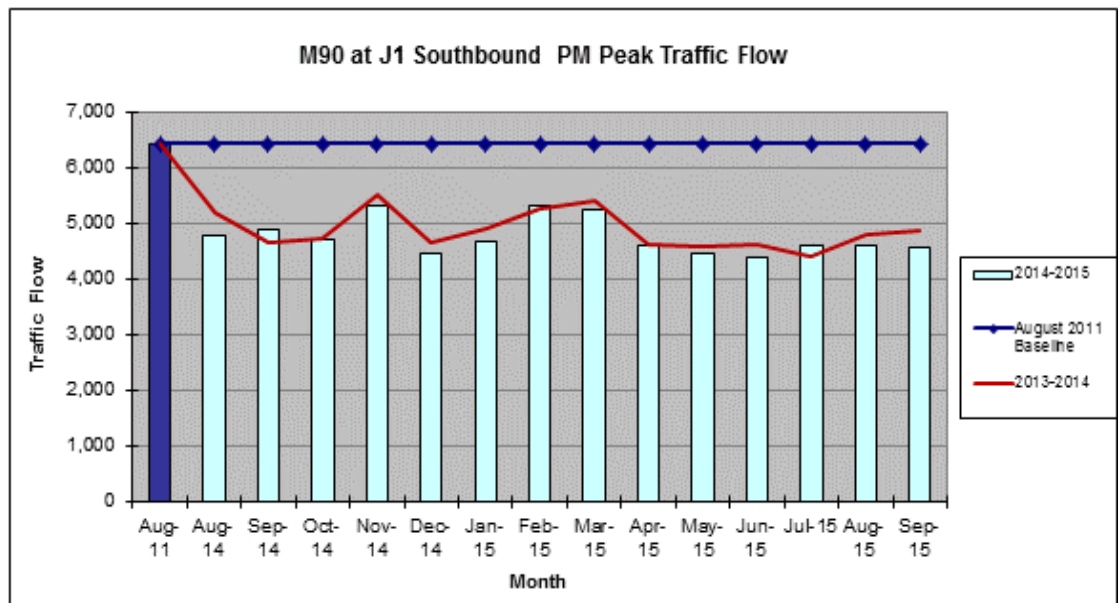


Figure 3-42 Monthly PM Peak Flows on the M90 at J1 Southbound



### 3.8.3 Monthly Average HGV Flows

Table 3-31 Site: JTC06322 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
JTC06322	M90 at J1 Southbound	Aug-11	1,305
		Aug-14	1,417
		Sep-14	1,529
		Oct-14	1,437
		Nov-14	1,650
		Dec-14	1,370
		Jan-15	1,309
		Feb-15	1,570
		Mar-15	1,581
		Apr-15	1,631
		May-15	1,587
		Jun-15	1,733
		Jul-15	1,778
		Aug-15	1,709
		Sep-15	1,758
		<b>Annual Average</b>	<b>1,549</b>

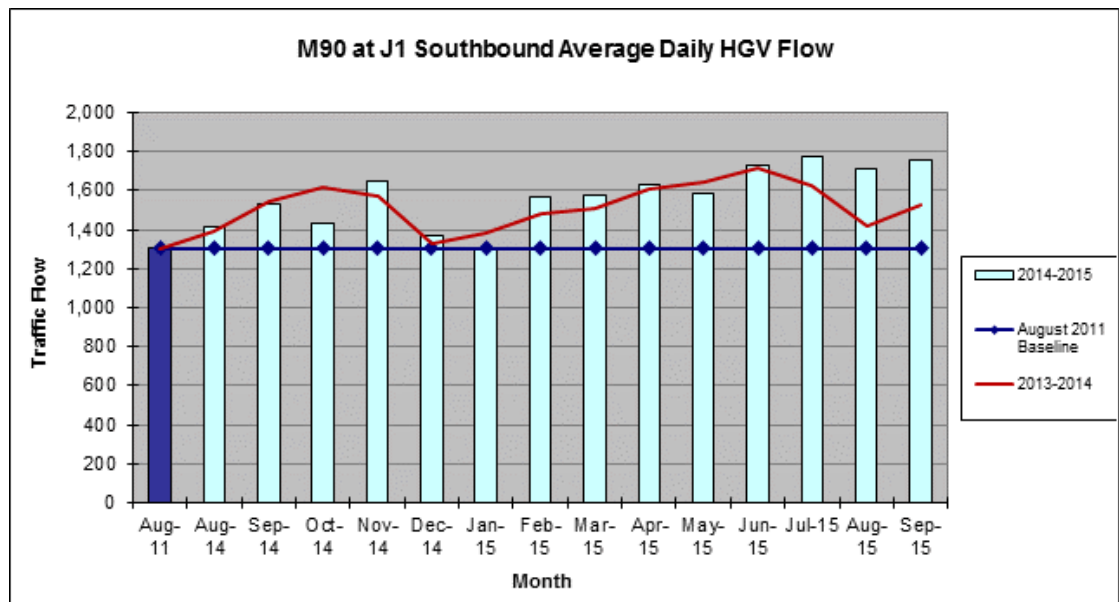
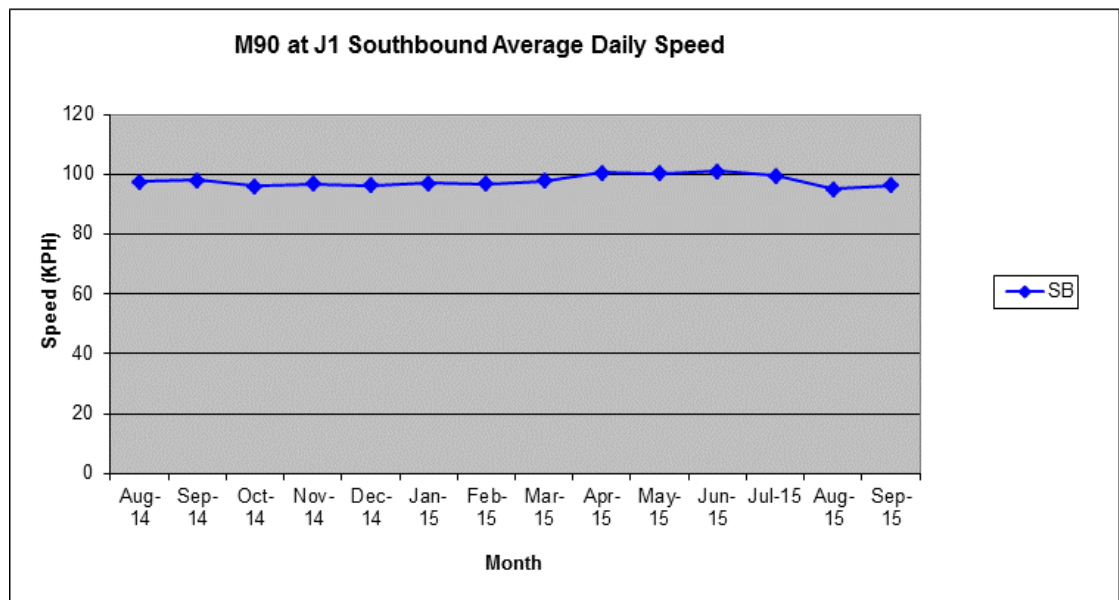


Figure 3-43 Monthly HGV Traffic Flows on the M90 at J1 Southbound

### 3.8.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-32 Site: JTC06322 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
JTC06322	M90 at J1 Southbound	Aug-14	98
		Sep-14	98
		Oct-14	96
		Nov-14	97
		Dec-14	96
		Jan-15	97
		Feb-15	97
		Mar-15	98
		Apr-15	101
		May-15	100
		Jun-15	101
		Jul-15	100
		Aug-15	95
		Sep-15	96



**Figure 3-44 Average Monthly Traffic Speeds (KPH) on the M90 at J1 Southbound**

### 3.9 Traffic Counter NTC01051 - M90 South of J2 Admiralty Southbound

Summary of statistics between August 2014 and September 2015:

- There is a decrease in traffic volume in May 2015 and June 2015 when compared with the previous monitoring period. HGV flows follow a similar pattern to the previous monitoring period but were lower from May onwards.
- Speeds were around 20 kph lower than those recorded in the 2013-2014 monitoring period.

#### 3.9.1 Monthly Average Traffic Flows

**Table 3-33 Site: NTC01051 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01051	M90 South of J2 Admiralty Southbound	Aug-11	35,475
		Aug-14	35,787
		Sep-14	30,592
		Oct-14	31,733
		Nov-14	32,060
		Dec-14	28,596
		Jan-15	27,571
		Feb-15	31,422
		Mar-15	27,326
		Apr-15	33,922
		May-15	21,537
		Jun-15	24,445
		Jul-15	34,708
		Aug-15	34,387
		Sep-15	34,644
		<b>Annual Average</b>	<b>29,975</b>

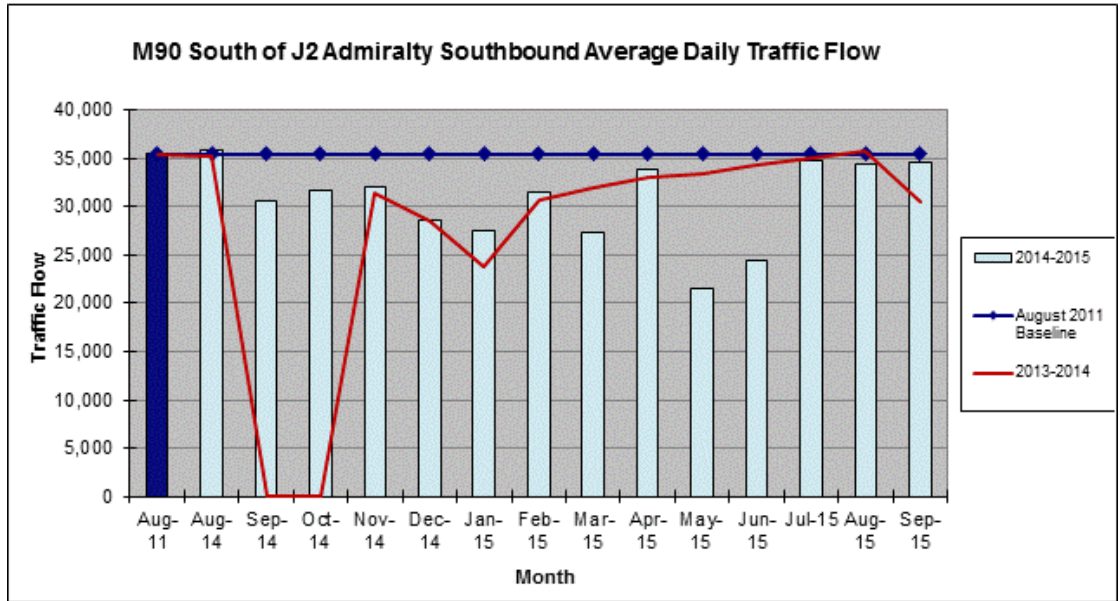


Figure 3-45 Monthly AADTs on the M90 South of J2 Admiralty Southbound

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

Table 3-34 Site: NTC01051 Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01051	M90 South of J2 Admiralty Southbound	Aug-11	6,775	7,689
		Aug-14	6,558	7,419
		Sep-14	5,912	6,568
		Oct-14	5,966	6,749
		Nov-14	6,136	6,745
		Dec-14	5,138	5,649
		Jan-15	5,298	5,928
		Feb-15	5,991	6,755
		Mar-15	5,268	5,664
		Apr-15	6,135	7,290
		May-15	3,809	4,200
		Jun-15	4,553	4,852
		Jul-15	6,314	7,017
		Aug-15	5,998	7,183
Sep-15	6,460	7,281		
		<b>Annual Average</b>	<b>5,590</b>	<b>6,236</b>

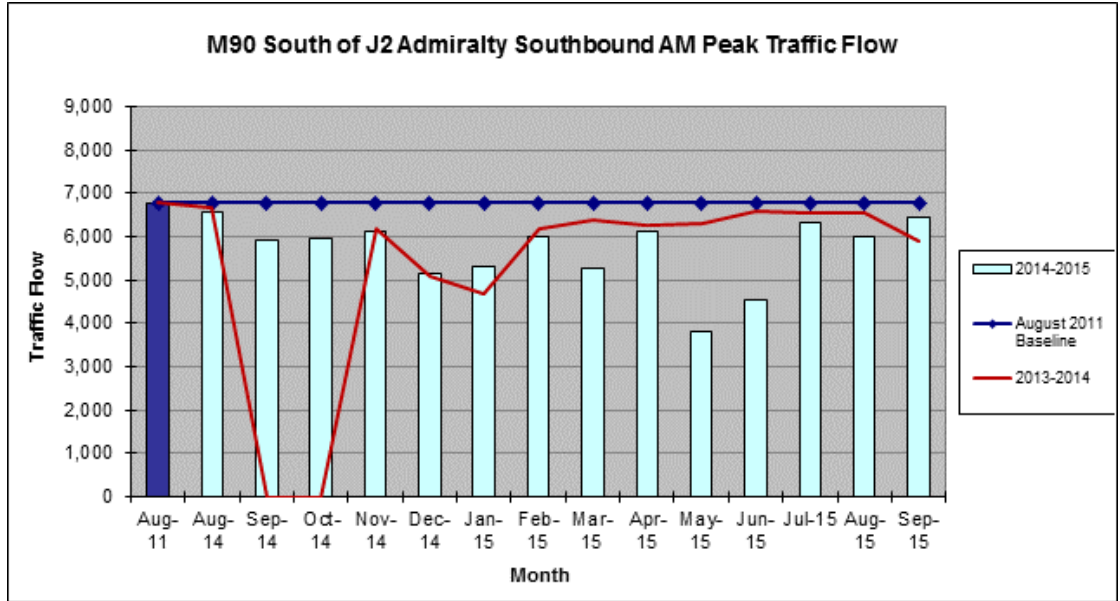


Figure 3-46 Monthly AM Peak Flows on the M90 South of J2 Admiralty Southbound

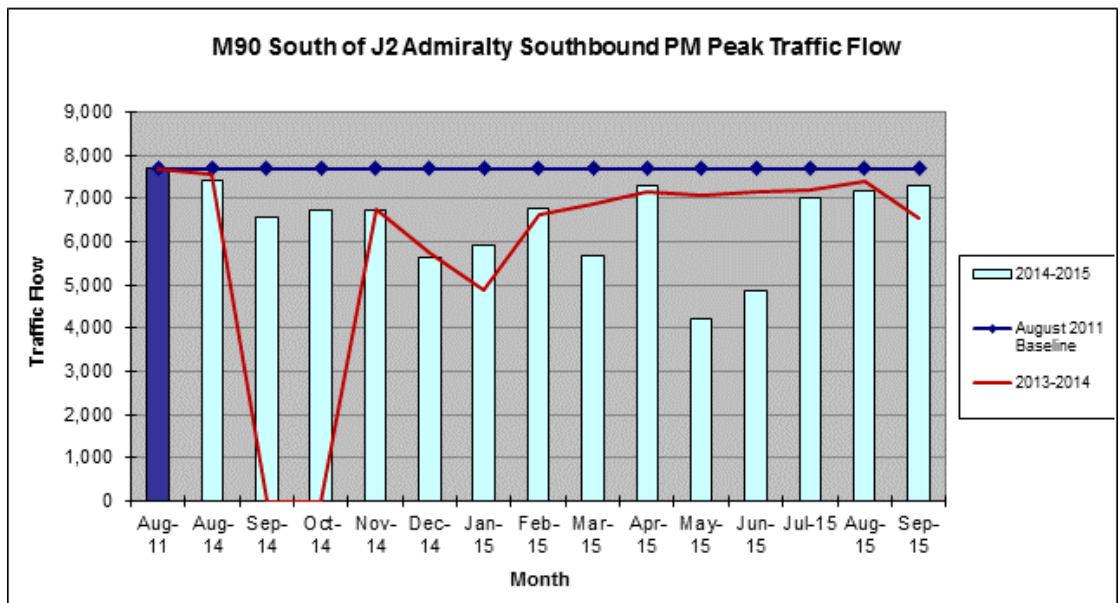


Figure 3-47 Monthly PM Peak Flows on the M90 South of J2 Admiralty Southbound

### 3.9.3 Monthly Average HGV Flows

Table 3-35 Site: NTC01051 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTC01051	M90 South of J2 Admiralty Southbound	Aug-11	1,705
		Aug-14	1,844
		Sep-14	1,884
		Oct-14	1,768
		Nov-14	1,728
		Dec-14	1,456
		Jan-15	1,343
		Feb-15	1,686
		Mar-15	1,654
		Apr-15	1,744
		May-15	1,543
		Jun-15	1,740
		Jul-15	1,819
		Aug-15	1,778
		Sep-15	1,903
		<b>Annual Average</b>	<b>1,684</b>

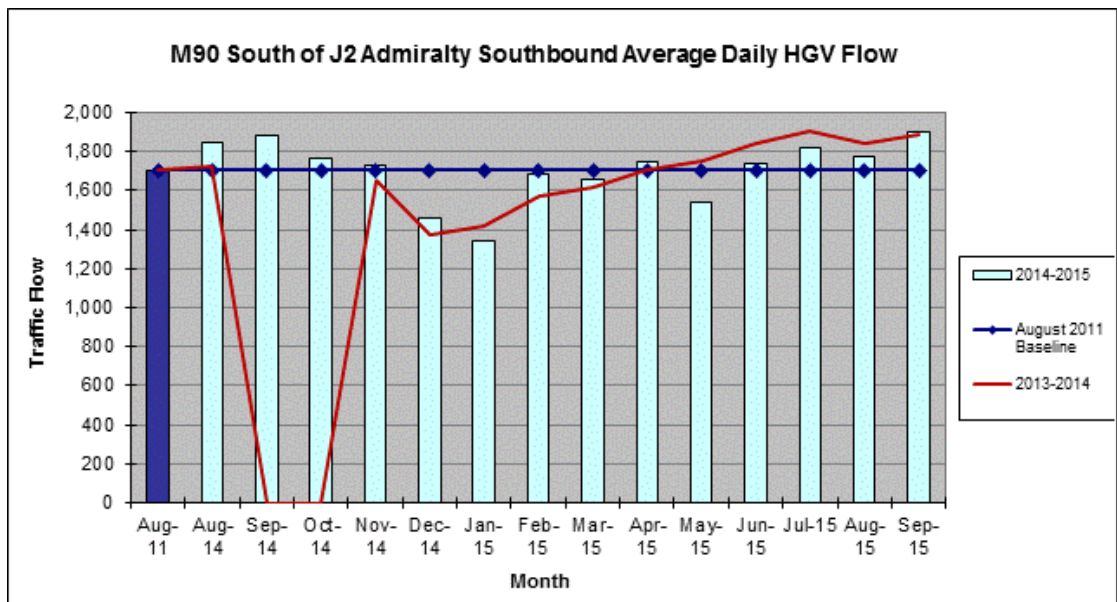
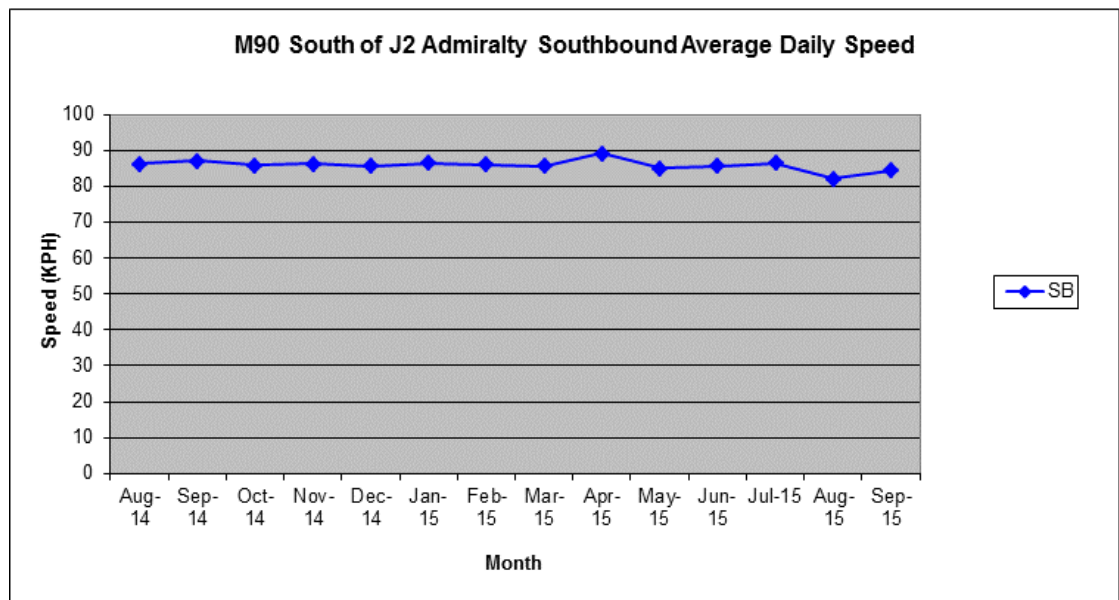


Figure 3-48 Monthly HGV Traffic Flows on the M90 South of J2 Admiralty Southbound

### 3.9.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-36 Site: NTC01051 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01051	M90 South of J2 Admiralty Southbound	Aug-14	86
		Sep-14	87
		Oct-14	86
		Nov-14	86
		Dec-14	86
		Jan-15	86
		Feb-15	86
		Mar-15	86
		Apr-15	89
		May-15	85
		Jun-15	86
		Jul-15	87
		Aug-15	82
		Sep-15	84



**Figure 3-49 Average Monthly Traffic Speeds (KPH) on the M90 South of J2 Admiralty Southbound**



### 3.10 Traffic Counter NTC01050 - M90 South of J2 Admiralty Southbound

Summary of statistics between August 2014 and September 2015:

- 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. HGV flows also follow a similar pattern to the previous year monitored.

#### 3.10.1 Monthly Average Traffic Flows

**Table 3-37 Site: NTC01050 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01050	M90 South of J2 Admiralty Southbound	Aug-11	35,180
		Aug-14	35,556
		Sep-14	33,782
		Oct-14	32,613
		Nov-14	31,869
		Dec-14	28,815
		Jan-15	27,390
		Feb-15	31,225
		Mar-15	31,366
		Apr-15	33,676
		May-15	31,951
		Jun-15	33,129
		Jul-15	35,173
		Aug-15	35,429
		Sep-15	34,413
		<b>Annual Average</b>	<b>32,212</b>

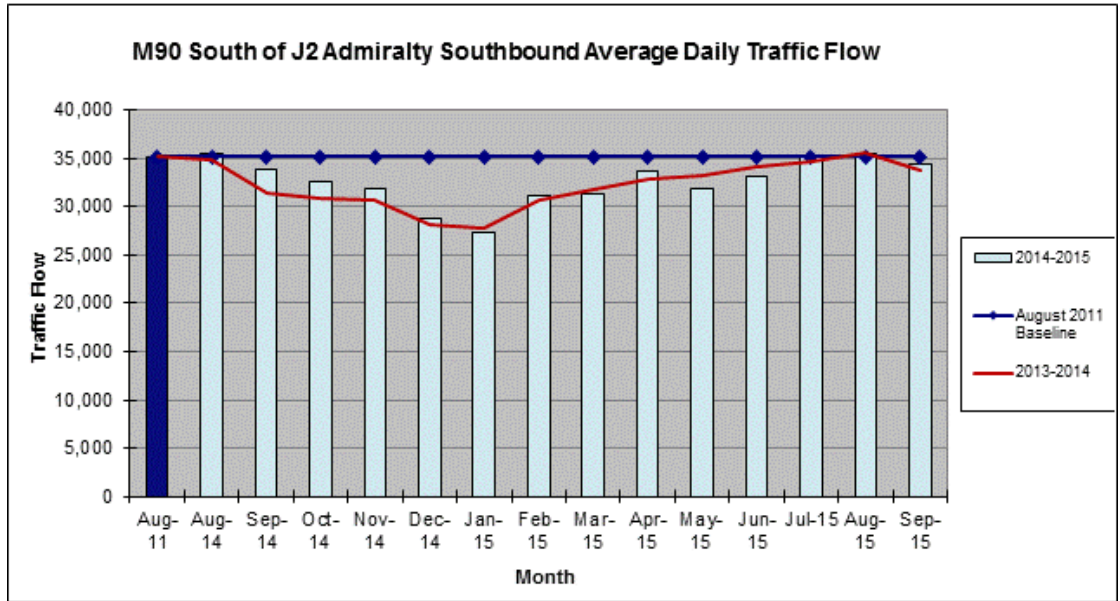


Figure 3-50 Monthly AADTs on the M90 South of J2 Admiralty Southbound

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

Table 3-38 Site: NTC01050 Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01050	M90 South of J2 Admiralty Southbound	Aug-11	6,740	7,631
		Aug-14	6,531	7,404
		Sep-14	6,486	7,336
		Oct-14	6,229	6,934
		Nov-14	6,133	6,727
		Dec-14	5,214	5,726
		Jan-15	5,308	5,908
		Feb-15	6,003	6,728
		Mar-15	6,084	6,693
		Apr-15	6,128	7,263
		May-15	5,592	6,696
		Jun-15	6,151	6,868
		Jul-15	6,388	7,119
		Aug-15	6,250	7,369
Sep-15	6,459	7,257		
		<b>Annual Average</b>	<b>6,021</b>	<b>6,783</b>

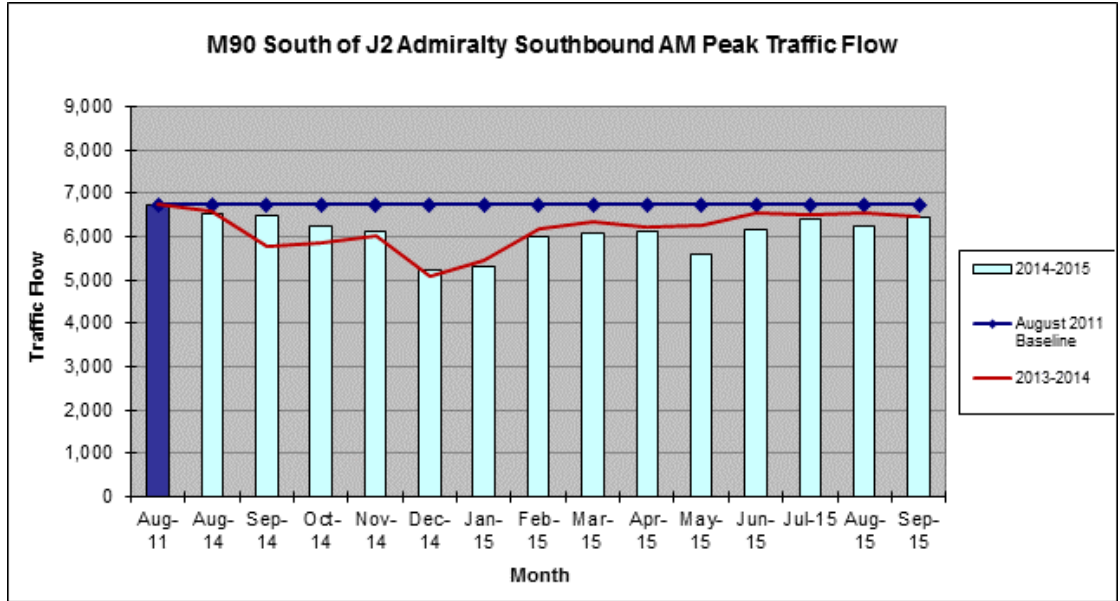


Figure 3-51 Monthly AM Peak Flows on the M90 South of J2 Admiralty Southbound

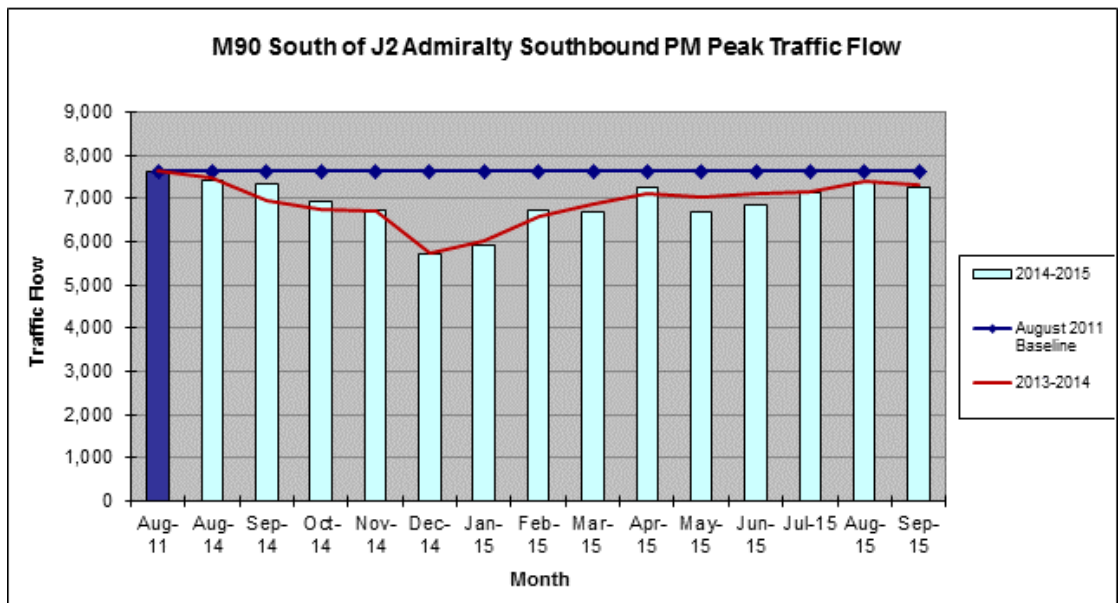


Figure 3-52 Monthly PM Peak Flows on the M90 South of J2 Admiralty Southbound

### 3.10.3 Monthly Average HGV Flows

Table 3-39 Site: NTC01050 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTC01050	M90 South of J2 Admiralty Southbound	Aug-11	1,491
		Aug-14	1,615
		Sep-14	1,670
		Oct-14	1,558
		Nov-14	1,543
		Dec-14	1,303
		Jan-15	1,196
		Feb-15	1,496
		Mar-15	1,479
		Apr-15	1,529
		May-15	1,377
		Jun-15	1,555
		Jul-15	1,587
		Aug-15	1,568
		Sep-15	1,686
		<b>Annual Average</b>	<b>1,492</b>

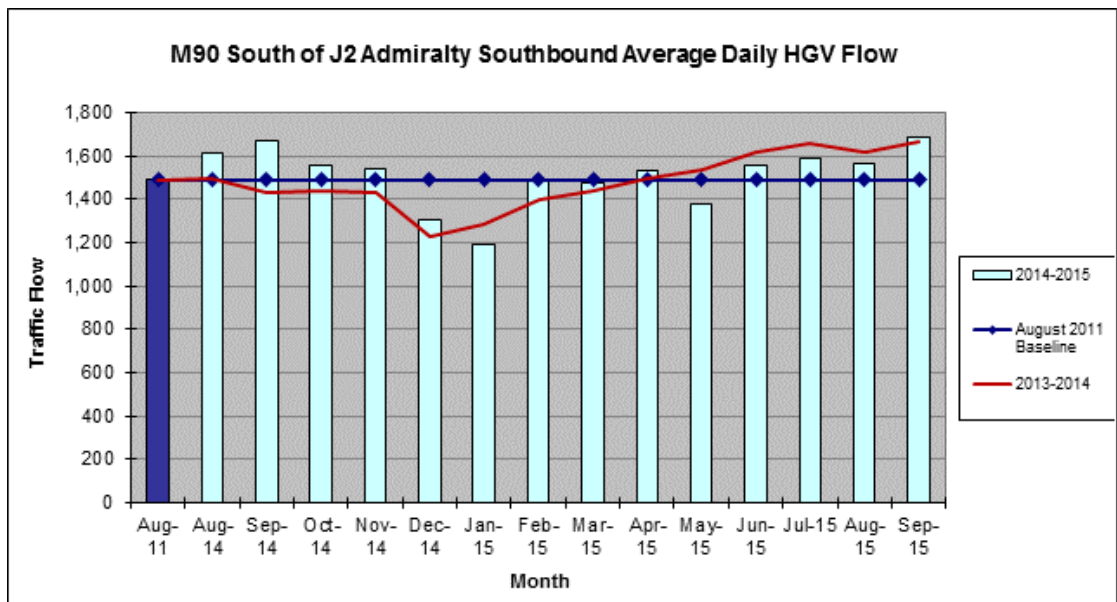
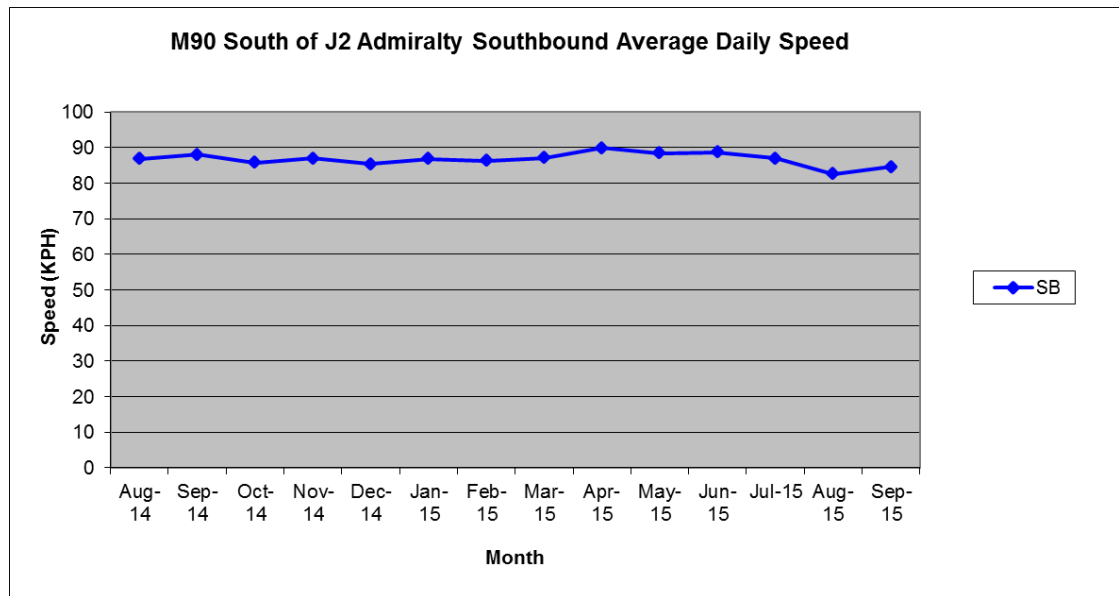


Figure 3-53 Monthly HGV Traffic Flows on the M90 South of J2 Admiralty Southbound

### 3.10.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-40 Site: NTC01050 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01050	M90 South of J2 Admiralty Southbound	Aug-14	87
		Sep-14	88
		Oct-14	86
		Nov-14	87
		Dec-14	85
		Jan-15	87
		Feb-15	86
		Mar-15	87
		Apr-15	90
		May-15	88
		Jun-15	89
		Jul-15	87
		Aug-15	83
		Sep-15	84



**Figure 3-54 Average Monthly Traffic Speeds (KPH) on the M90 South of J2 Admiralty Southbound**

### 3.11 Traffic Counter NTCNT005 - M90 South of J1 Southbound

Summary of statistics between August 2014 and September 2015:

- 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 with the exception of September 2015 when unseasonably low traffic flows were recorded.

#### 3.11.1 Monthly Average Traffic Flows

**Table 3-41 Site: NTCNT005 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTCNT005	M90 South of J1 Southbound	Aug-11	39,686
		Aug-14	39,717
		Sep-14	39,024
		Oct-14	37,442
		Nov-14	36,422
		Dec-14	32,802
		Jan-15	31,510
		Feb-15	35,775
		Mar-15	36,906
		Apr-15	38,350
		May-15	38,392
		Jun-15	39,403
		Jul-15	39,977
		Aug-15	40,320
		Sep-15	32,321
		<b>Annual Average</b>	<b>37,143</b>

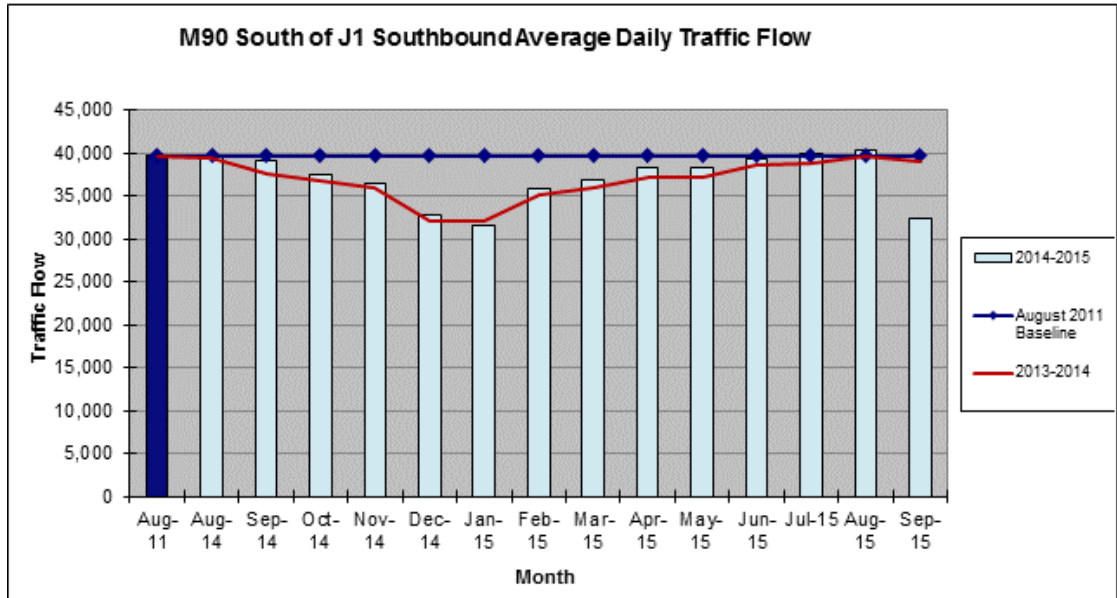


Figure 3-55 Monthly AADTs on the M90 South of J1 Southbound

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

Table 3-42 Site: NTCNT005 Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTCNT005	M90 South of J1 Southbound	Aug-11	7,918	8,599
		Aug-14	7,391	8,578
		Sep-14	7,987	8,672
		Oct-14	7,501	8,160
		Nov-14	7,419	7,835
		Dec-14	6,300	6,632
		Jan-15	6,479	6,910
		Feb-15	7,277	7,888
		Mar-15	7,685	8,104
		Apr-15	7,185	8,496
		May-15	7,398	8,267
		Jun-15	7,881	8,335
		Jul-15	7,410	8,359
		Aug-15	7,377	8,671
Sep-15	6,510	6,846		
		<b>Annual Average</b>	<b>7,326</b>	<b>8,020</b>



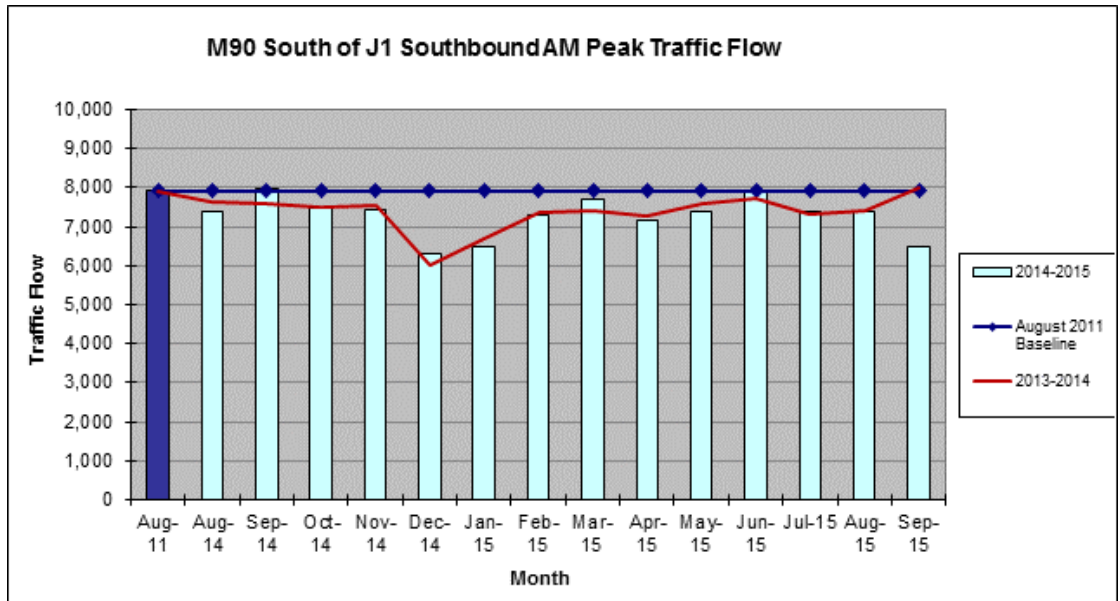


Figure 3-56 Monthly AM Peak Flows on the M90 South of J1 Southbound

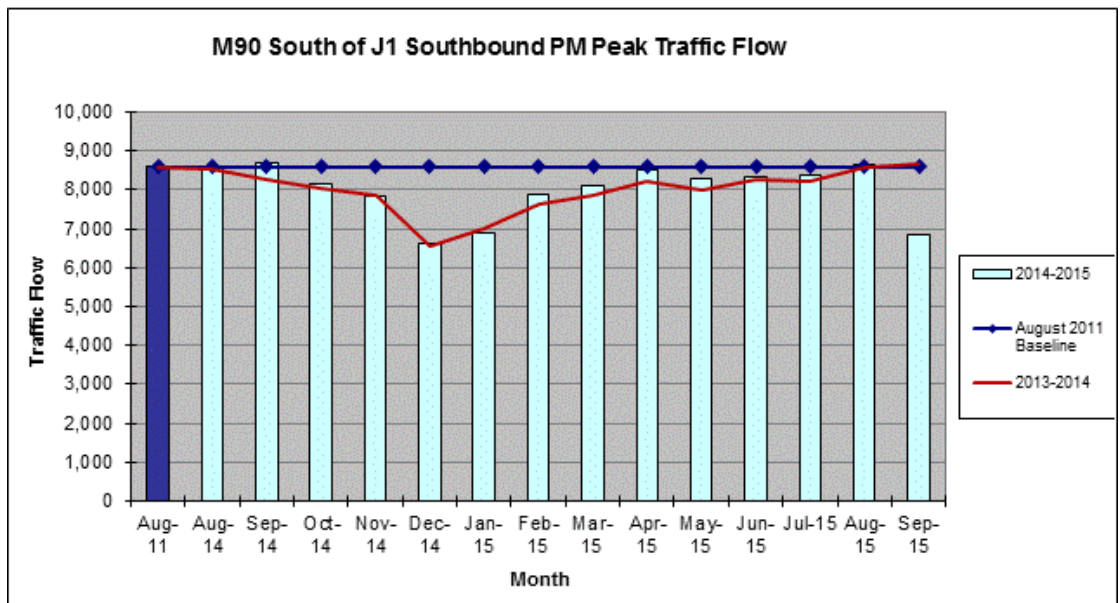


Figure 3-57 Monthly PM Peak Flows on the M90 South of J1 Southbound

### 3.11.3 Monthly Average HGV Flows

Table 3-43 Site: NTCNT005 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTCNT005	M90 South of J1 Southbound	Aug-11	1,968
		Aug-14	2,017
		Sep-14	2,167
		Oct-14	1,959
		Nov-14	1,896
		Dec-14	1,637
		Jan-15	1,524
		Feb-15	1,872
		Mar-15	1,876
		Apr-15	1,888
		May-15	1,826
		Jun-15	1,978
		Jul-15	1,968
		Aug-15	1,891
		Sep-15	1,872
		<b>Annual Average</b>	<b>1,884</b>

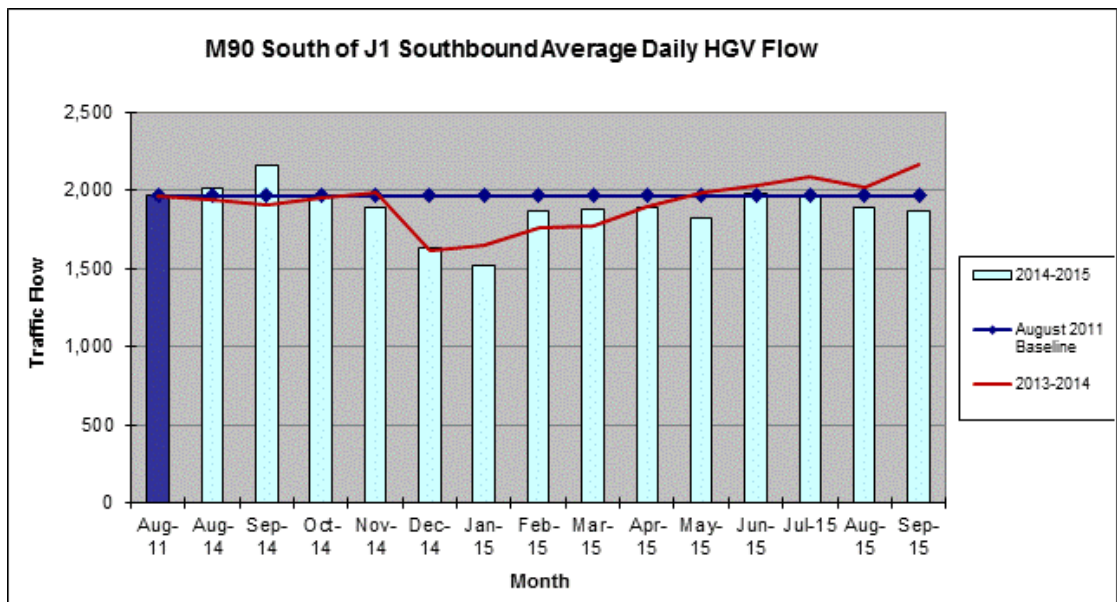
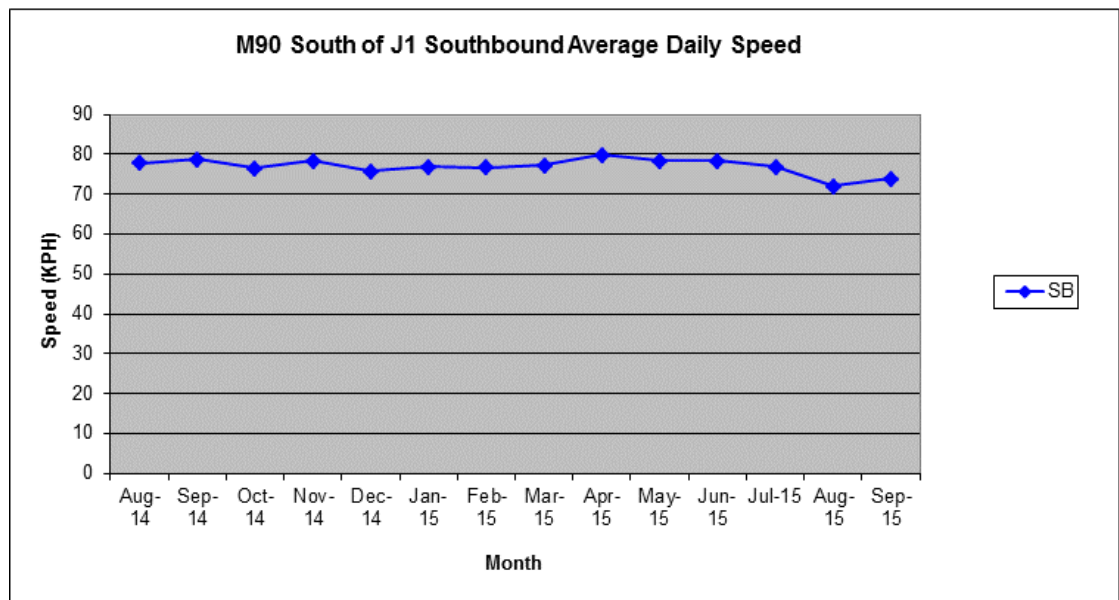


Figure 3-58 Monthly HGV Traffic Flows on the M90 South of J1 Southbound

### 3.11.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-44 Site: NTCNT005 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTCNT005	M90 South of J1 Southbound	Aug-14	78
		Sep-14	79
		Oct-14	77
		Nov-14	78
		Dec-14	76
		Jan-15	77
		Feb-15	77
		Mar-15	77
		Apr-15	80
		May-15	78
		Jun-15	78
		Jul-15	77
		Aug-15	72
		Sep-15	74



**Figure 3-59 Average Monthly Traffic Speeds (KPH) on the M90 South of J1 Southbound**

### 3.12 Traffic Counter NTC01230 - M9 at J1 Newbridge Eastbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period since construction of J1A didn't commence until after August 2011, therefore comparison 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.
- Traffic flows follow a similar pattern to the previous monitoring period

#### 3.12.1 Monthly Average Traffic Flows

**Table 3-45 Site: NTC01230 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01230	M9 at J1 Newbridge Eastbound	Aug-11	No Data
		Aug-14	20,207
		Sep-14	20,091
		Oct-14	19,879
		Nov-14	18,603
		Dec-14	16,933
		Jan-15	16,721
		Feb-15	18,760
		Mar-15	19,330
		Apr-15	19,958
		May-15	20,063
		Jun-15	20,347
		Jul-15	20,683
		Aug-15	20,454
Sep-15	20,278		
	<b>Annual Average</b>	<b>19,298</b>	

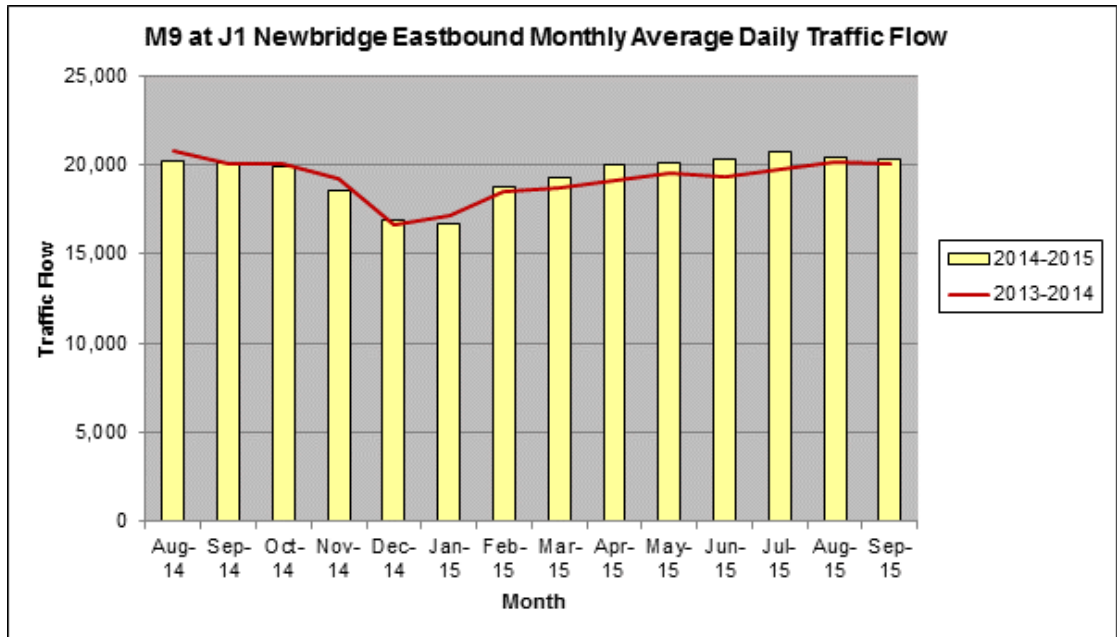


Figure 3-60 Monthly AADTs on the M9 at J1 Newbridge Eastbound

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

Table 3-46 Site: NTC01230 Monthly Eastbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01230	M9 at J1 Newbridge Eastbound	Aug-11	No Data	No Data
		Aug-14	3,951	4,043
		Sep-14	4,376	4,127
		Oct-14	4,386	3,956
		Nov-14	4,045	3,640
		Dec-14	3,525	3,082
		Jan-15	3,841	3,313
		Feb-15	4,204	3,724
		Mar-15	4,387	3,797
		Apr-15	4,119	4,049
		May-15	4,286	3,992
		Jun-15	4,204	4,023
		Jul-15	4,145	4,105
		Aug-15	3,956	4,079
		Sep-15	4,375	3,885
	<b>Annual Average</b>	<b>4,122</b>	<b>3,821</b>	

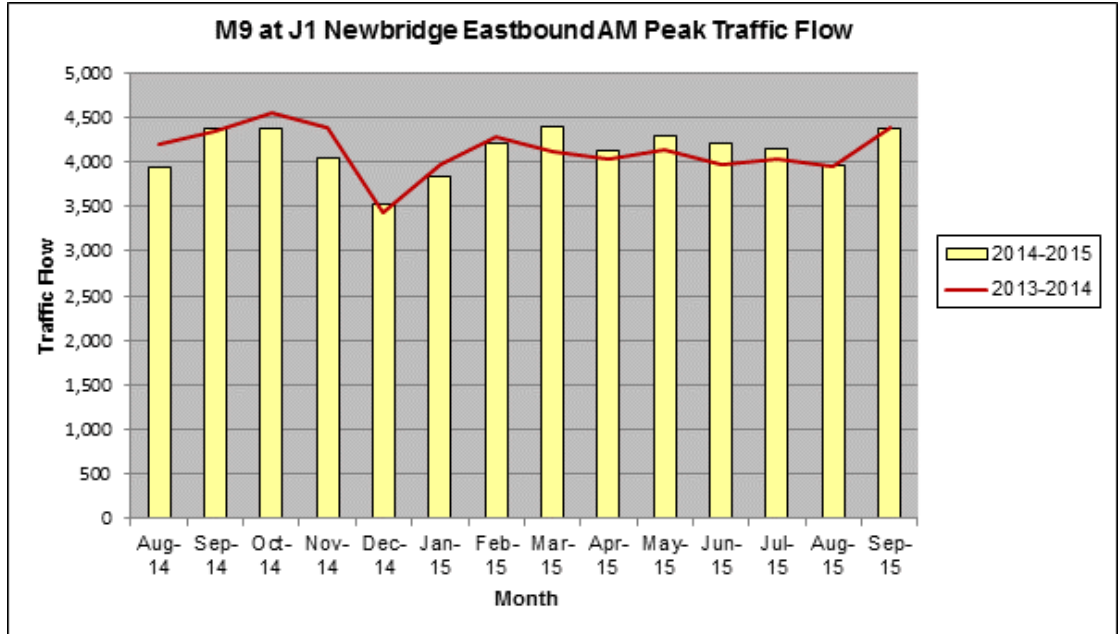


Figure 3-61 Monthly AM Peak Flows on the M9 at J1 Newbridge Eastbound

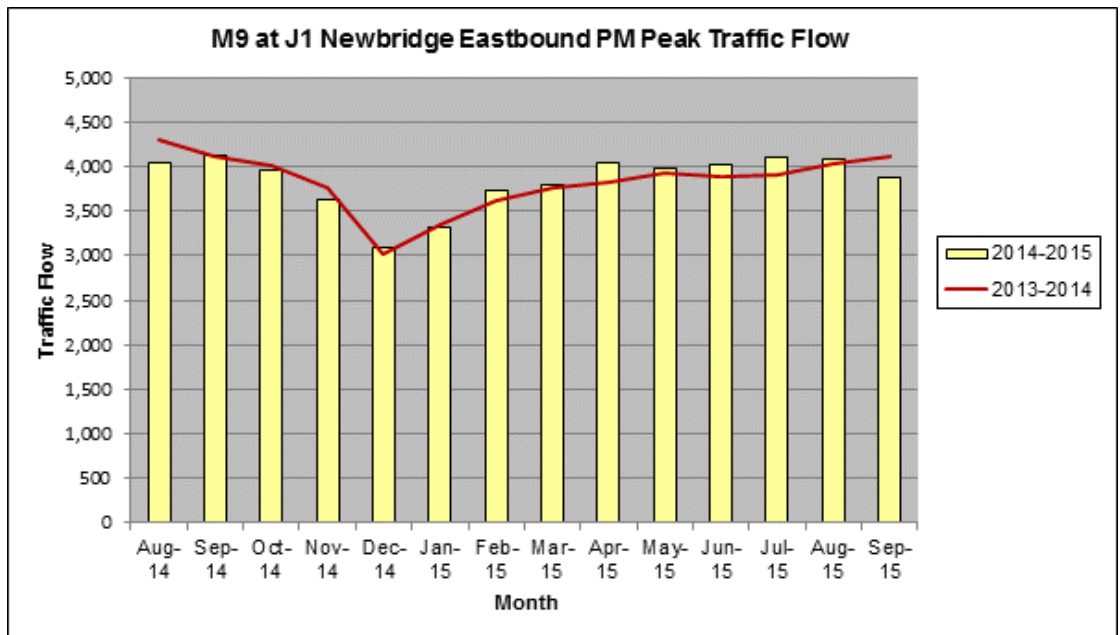


Figure 3-62 Monthly PM Peak Flows on the M9 at J1 Newbridge Eastbound

### 3.12.3 Monthly Average HGV Flows

Table 3-47 Site: NTC01230 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	EB
NTC01230	M9 at J1 Newbridge Eastbound	Aug-11	No Data
		Aug-14	1,581
		Sep-14	1,702
		Oct-14	1,621
		Nov-14	1,467
		Dec-14	1,355
		Jan-15	1,330
		Feb-15	1,515
		Mar-15	1,590
		Apr-15	1,580
		May-15	1,579
		Jun-15	1,721
		Jul-15	1,670
		Aug-15	1,535
		Sep-15	1,681
		<b>Annual Average</b>	<b>1,559</b>

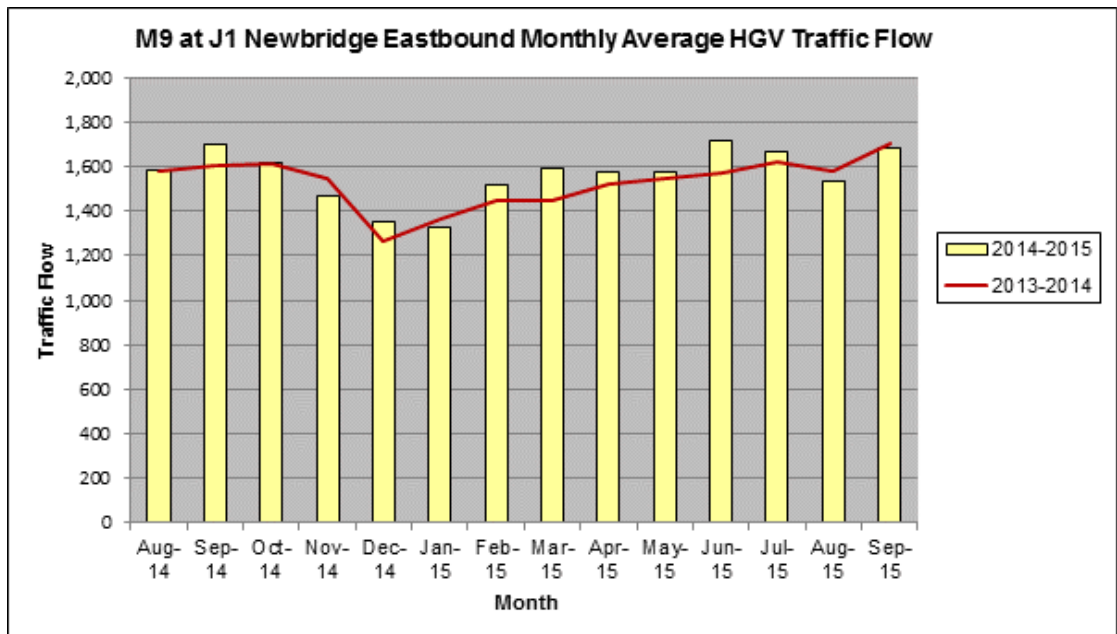
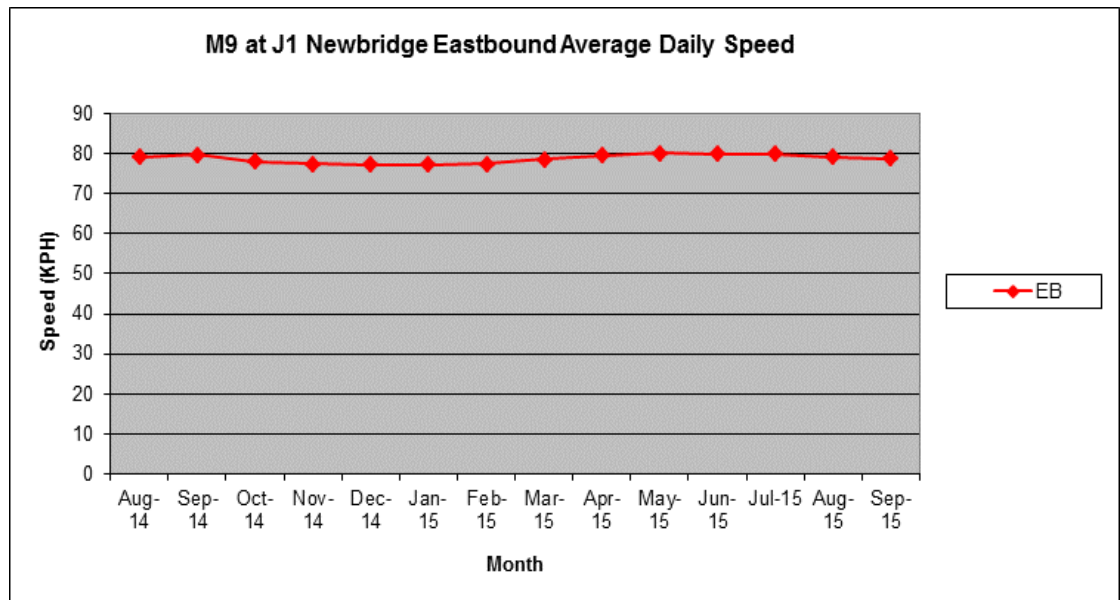


Figure 3-63 Monthly HGV Traffic Flows on the M9 at J1 Newbridge Eastbound

### 3.12.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-48 Site: NTC01230 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01230	M9 at J1 Newbridge Eastbound	Aug-14	79
		Sep-14	80
		Oct-14	78
		Nov-14	77
		Dec-14	77
		Jan-15	77
		Feb-15	77
		Mar-15	79
		Apr-15	80
		May-15	80
		Jun-15	80
		Jul-15	80
		Aug-15	79
		Sep-15	79



**Figure 3-64 Average Monthly Traffic Speeds (KPH) on the M9 at J1 Newbridge Eastbound**



### 3.13 Traffic Counter NTC01101 - M9 J1 Newbridge Westbound On-Ramp

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period since construction of J1A did not commence until after August 2011, therefore comparison cannot be made.
- HGV flows follow a similar pattern to general traffic.
- Unseasonably low traffic flows have been recorded between April and July 2015 and in December 2014.

#### 3.13.1 Monthly Average Traffic Flows

**Table 3-49 Site: NTC01101 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	WB
NTC01101	M9 J1 Newbridge Westbound On-Ramp	Aug-11	No Data
		Aug-14	11,987
		Sep-14	12,264
		Oct-14	11,988
		Nov-14	11,232
		Dec-14	6,652
		Jan-15	10,296
		Feb-15	11,272
		Mar-15	11,747
		Apr-15	6,985
		May-15	6,252
		Jun-15	6,847
		Jul-15	6,435
		Aug-15	12,031
		Sep-15	12,224
	<b>Annual Average</b>	<b>9,496</b>	

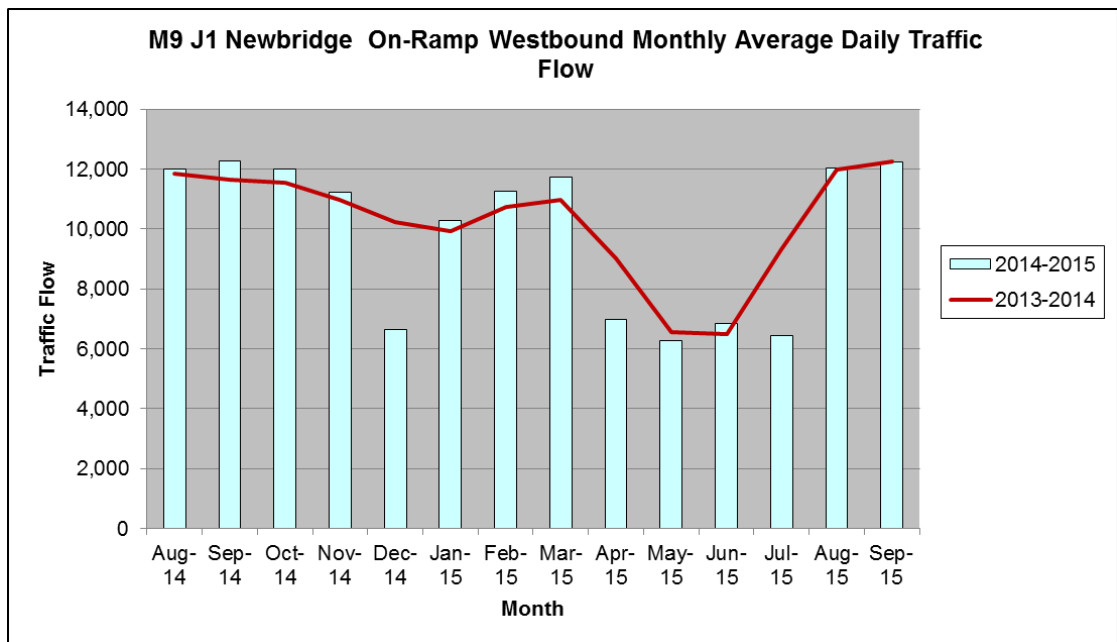


Figure 3-65 Monthly AADTs on the M9 J1 Newbridge Westbound On-Ramp

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

Table 3-50 Site: NTC01101 Monthly Westbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01101	M9 J1 Newbridge Westbound On-Ramp	Aug-11	No Data	No Data
		Aug-14	1,598	3,045
		Sep-14	1,743	3,213
		Oct-14	1,636	3,274
		Nov-14	1,548	3,099
		Dec-14	827	1,437
		Jan-15	1,385	2,951
		Feb-15	1,524	3,229
		Mar-15	1,596	3,327
		Apr-15	915	1,544
		May-15	809	1,329
		Jun-15	891	1,471
		Jul-15	861	1,372
		Aug-15	1,574	3,037
		Sep-15	1,670	3,179
	<b>Annual Average</b>	<b>1,278</b>	<b>2,441</b>	

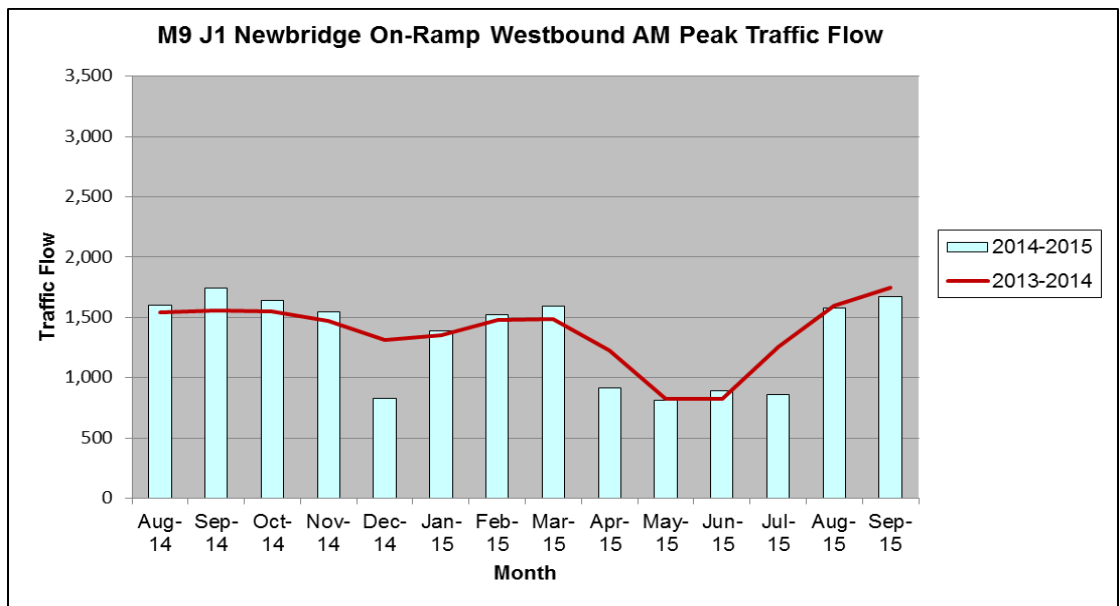


Figure 3-66 Monthly AM Peak Flows on the M9 J1 Newbridge Westbound On-Ramp

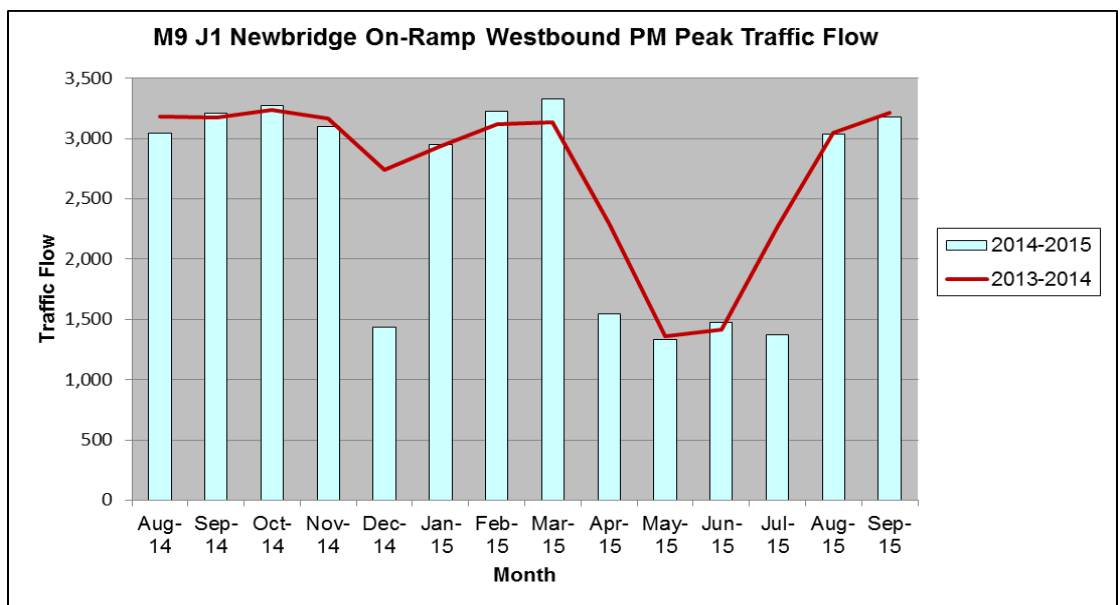


Figure 3-67 Monthly PM Peak Flows on the M9 J1 Newbridge Westbound On-Ramp

### 3.13.3 Monthly Average HGV Flows

Table 3-51 Site: NTC01101 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	WB
NTC01101	M9 J1 Newbridge Westbound On-Ramp	Aug-11	No Data
		Aug-14	532
		Sep-14	559
		Oct-14	505
		Nov-14	452
		Dec-14	203
		Jan-15	423
		Feb-15	464
		Mar-15	486
		Apr-15	239
		May-15	196
		Jun-15	257
		Jul-15	260
		Aug-15	489
		Sep-15	511
		<b>Annual Average</b>	<b>381</b>

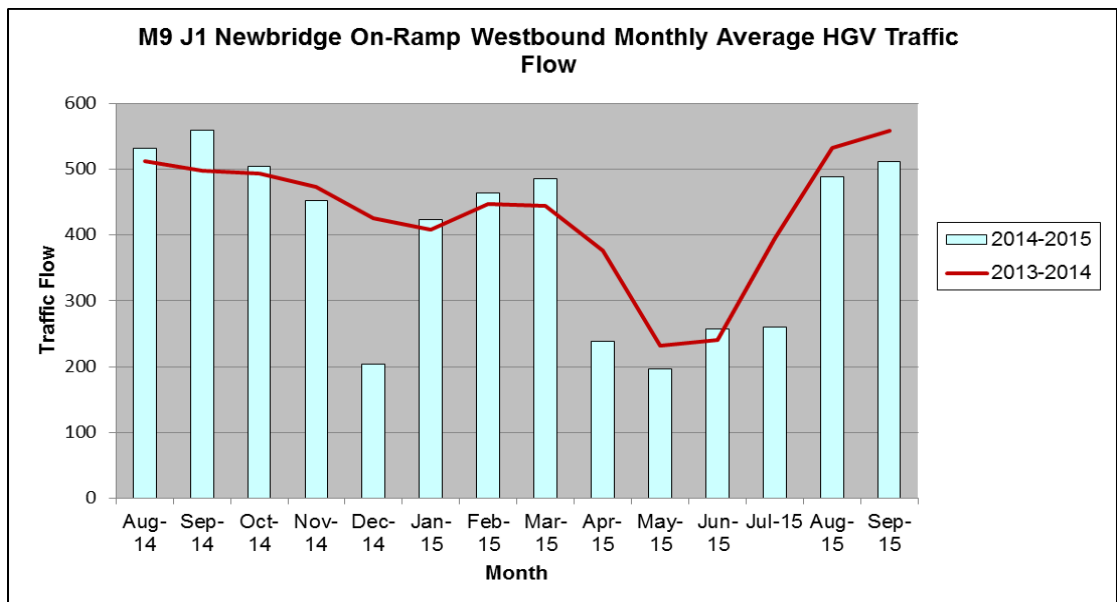
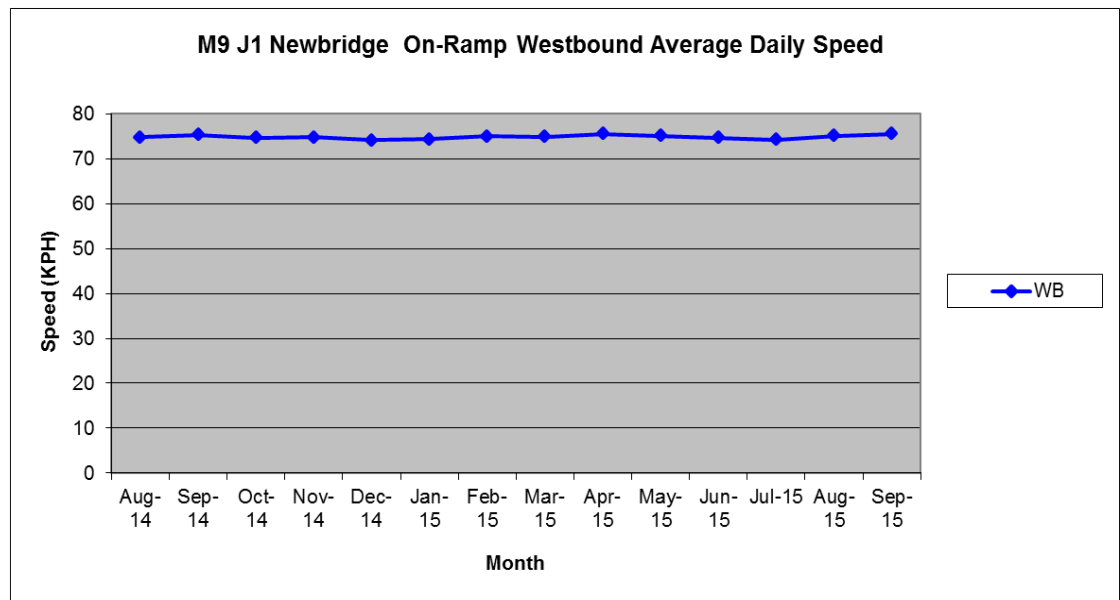


Figure 3-68 Monthly HGV Traffic Flows on the M9 J1 Newbridge Westbound On-Ramp

### 3.13.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-52 Site: NTC01101 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	WB
NTC01101	M9 J1 Newbridge Westbound On-Ramp	Aug-14	75
		Sep-14	75
		Oct-14	75
		Nov-14	75
		Dec-14	74
		Jan-15	74
		Feb-15	75
		Mar-15	75
		Apr-15	76
		May-15	75
		Jun-15	75
		Jul-15	74
		Aug-15	75
		Sep-15	76



**Figure 3-69 Average Monthly Traffic Speeds (KPH) on the M9 J1 Newbridge On-Ramp Westbound**

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

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period since this counter was installed in 2012, therefore comparison cannot be made.
- HGV flows follow a similar pattern to general traffic.

#### 3.14.1 Monthly Average Traffic Flows

*Table 3-53 Site: NTC01148 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB
NTC01148	M90 J2 Northbound Off-Ramp to A823 (M) West	Aug-11	No Data
		Aug-14	No Data
		Sep-14	No Data
		Oct-14	6,421
		Nov-14	6,632
		Dec-14	6,016
		Jan-15	5,924
		Feb-15	6,393
		Mar-15	6,586
		Apr-15	6,450
		May-15	6,442
		Jun-15	6,637
		Jul-15	6,328
		Aug-15	6,396
		Sep-15	6,341
	<b>Annual Average</b>	<b>6,383</b>	

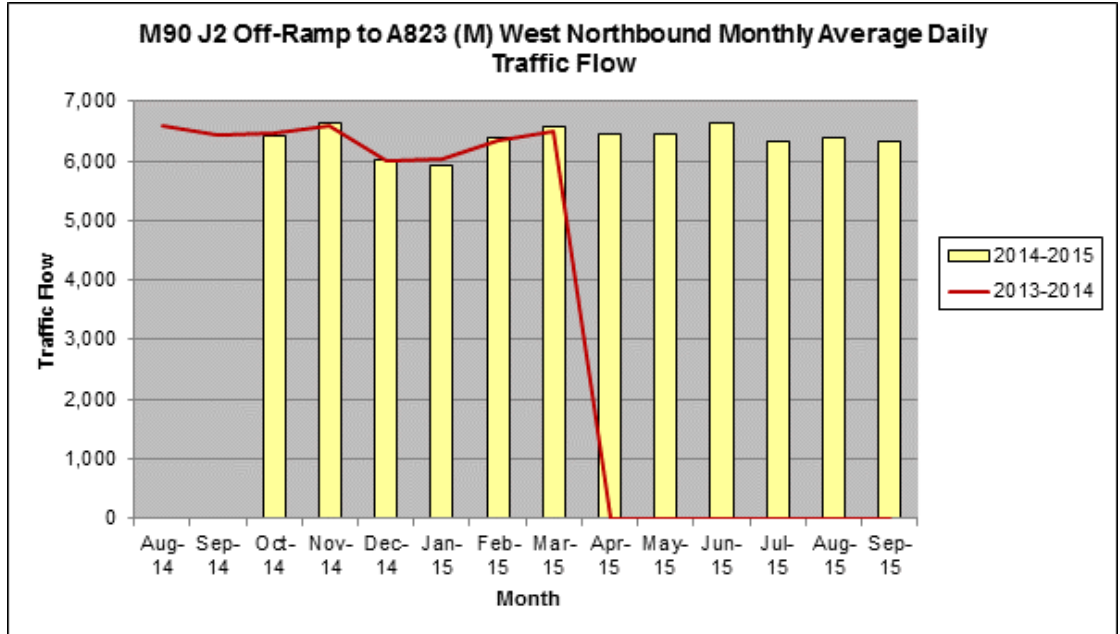


Figure 3-70 Monthly AADTs on the M90 J2 Northbound Off-Ramp to A823 (M) West

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

Table 3-54 Site: NTC01148 Monthly Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01148	M90 J2 Northbound Off-Ramp to A823 (M) West	Aug-11	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		Oct-14	1,239	1,673
		Nov-14	1,198	1,783
		Dec-14	1,027	1,506
		Jan-15	1,089	1,626
		Feb-15	1,187	1,723
		Mar-15	1,246	1,759
		Apr-15	1,173	1,721
		May-15	1,161	1,689
		Jun-15	1,247	1,726
		Jul-15	1,162	1,639
		Aug-15	1,150	1,562
Sep-15	1,224	1,598		
	<b>Annual Average</b>	<b>1,173</b>	<b>1,684</b>	

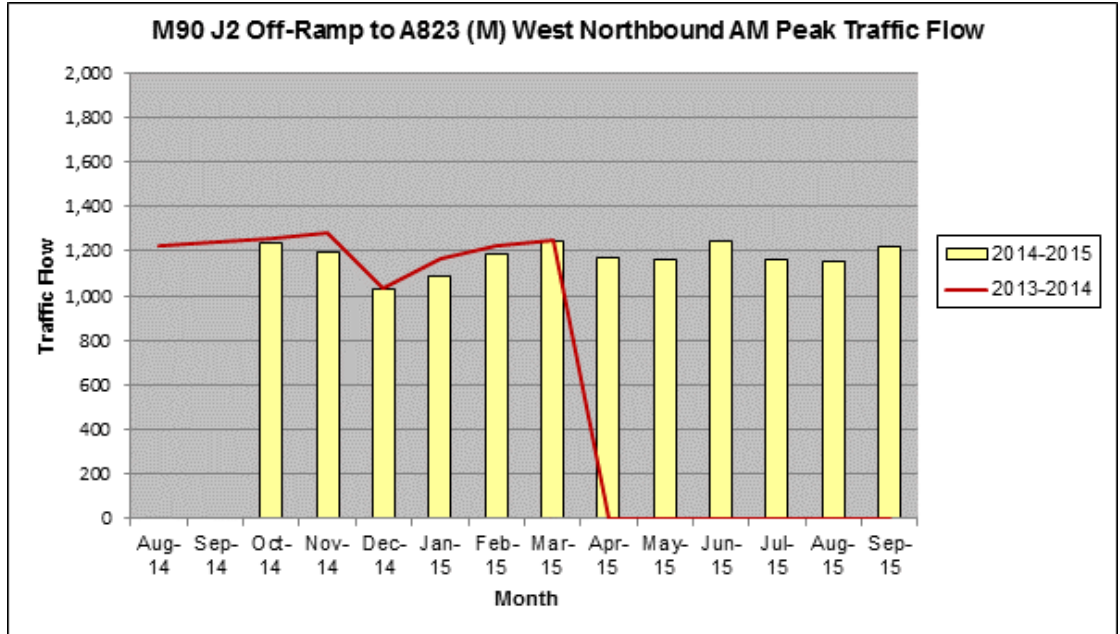


Figure 3-71 Monthly AM Peak Flows on the M90 J2 Northbound Off-Ramp to A823 (M) West

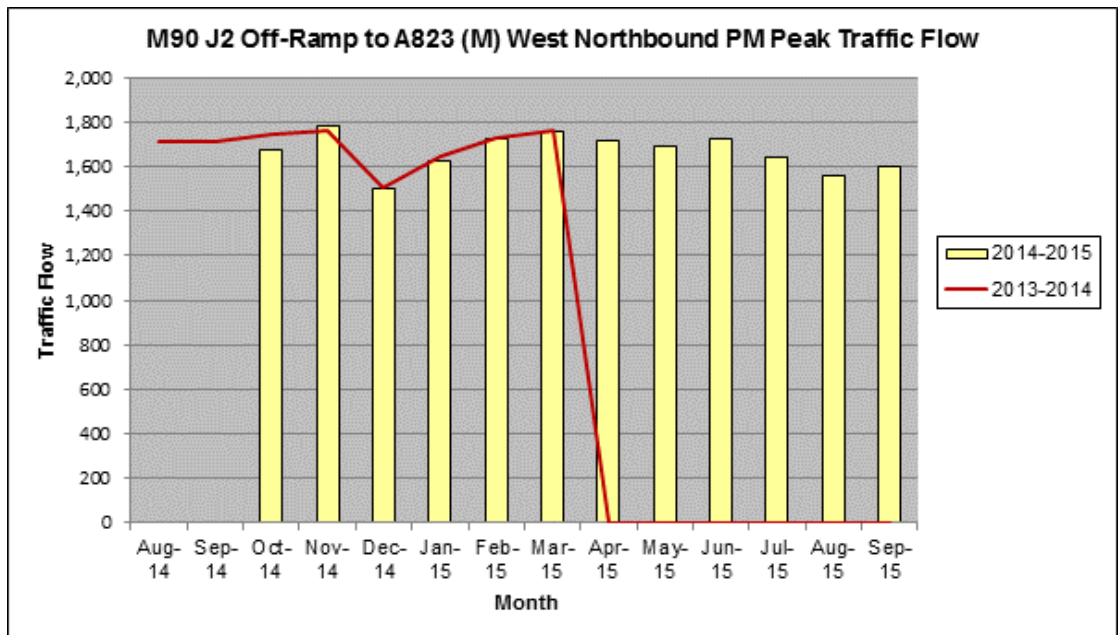


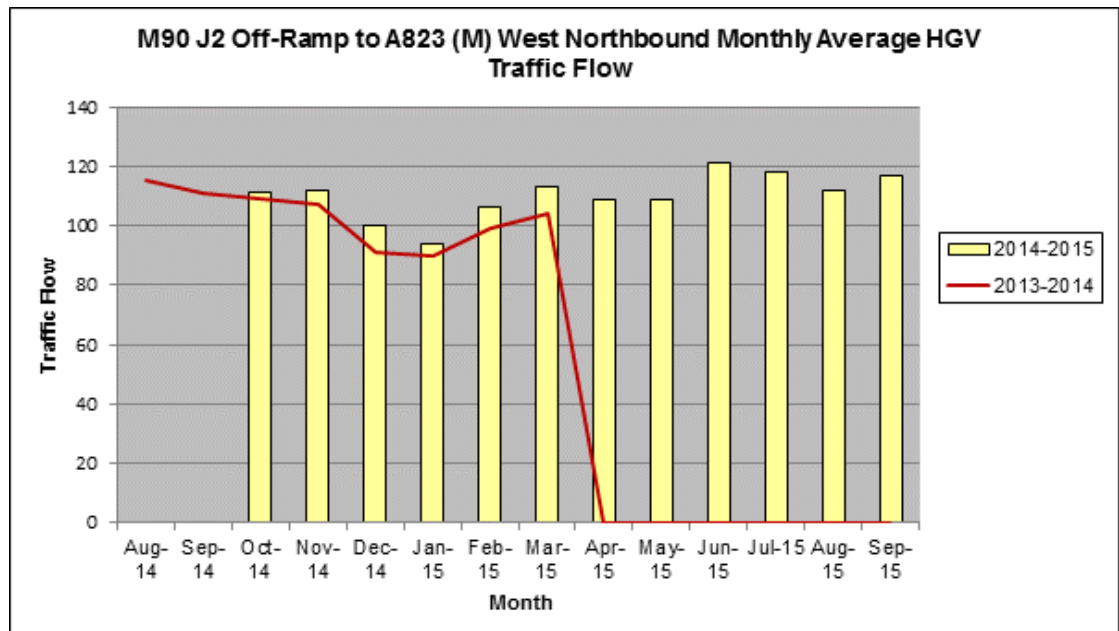
Figure 3-72 Monthly PM Peak Flows on the M90 J2 Northbound Off-Ramp to A823 (M) West



### 3.14.3 Monthly Average HGV Flows

**Table 3-55 Site: NTC01148 Annual HGV Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01148	M90 J2 Northbound Off-Ramp to A823 (M) West	Aug-11	No Data
		Aug-14	No Data
		Sep-14	No Data
		Oct-14	111
		Nov-14	112
		Dec-14	100
		Jan-15	94
		Feb-15	106
		Mar-15	113
		Apr-15	109
		May-15	109
		Jun-15	121
		Jul-15	118
		Aug-15	112
		Sep-15	117
		<b>Annual Average</b>	<b>109</b>

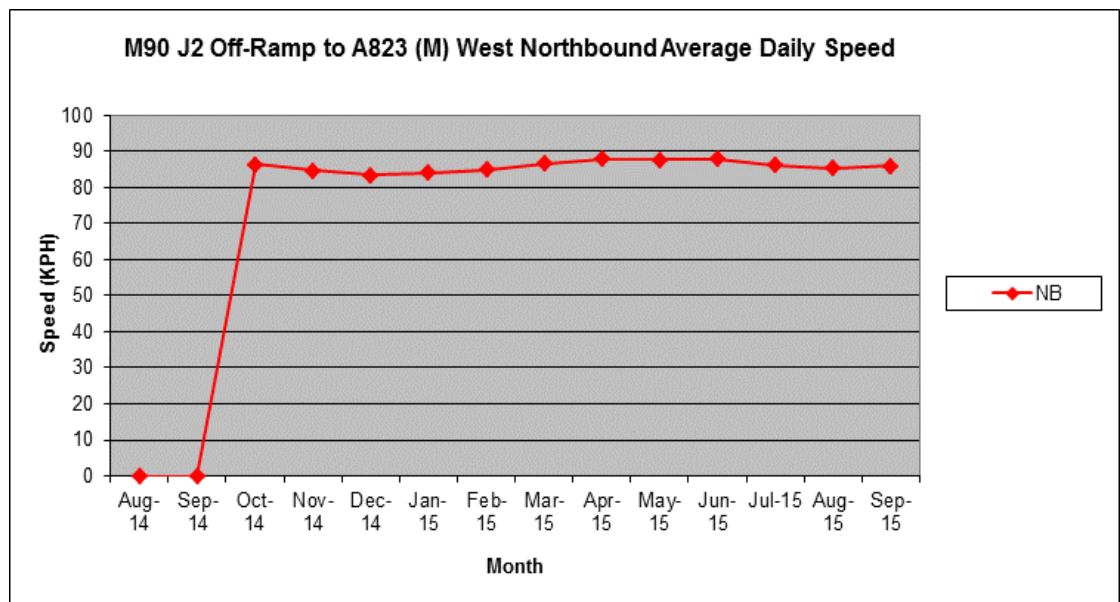


**Figure 3-73 Monthly HGV Traffic Flows on the M90 J2 Northbound Off-Ramp to A823 (M) West**

### 3.14.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-56 Site: NTC01148 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01148	M90 J2 Northbound Off-Ramp to A823 (M) West	Aug-14	No Data
		Sep-14	No Data
		Oct-14	87
		Nov-14	85
		Dec-14	84
		Jan-15	84
		Feb-15	85
		Mar-15	87
		Apr-15	88
		May-15	88
		Jun-15	88
		Jul-15	86
		Aug-15	85
		Sep-15	86



**Figure 3-74 Average Monthly Traffic Speeds (KPH) on the M90 J2 Off-Ramp to A823 (M) West Northbound**

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

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period since this counter was installed in 2012, therefore comparison cannot be made.
- Traffic flows remain consistent throughout the year, with a slight reduction in traffic flows in January. There is an increase in traffic volume in December 2014 when compared with December 2013.
- HGV flows follow a similar pattern to general traffic.

#### 3.15.1 Monthly Average Traffic Flows

**Table 3-57 Site: NTC01152 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01152	M90 J2 Southbound On-Ramp from A823 (M)	Aug-11	No Data
		Aug-14	5,985
		Sep-14	6,026
		Oct-14	5,872
		Nov-14	6,019
		Dec-14	5,571
		Jan-15	5,447
		Feb-15	5,916
		Mar-15	6,087
		Apr-15	5,961
		May-15	5,936
		Jun-15	6,097
		Jul-15	5,837
		Aug-15	5,932
		Sep-15	5,947
	<b>Annual Average</b>	<b>5,896</b>	

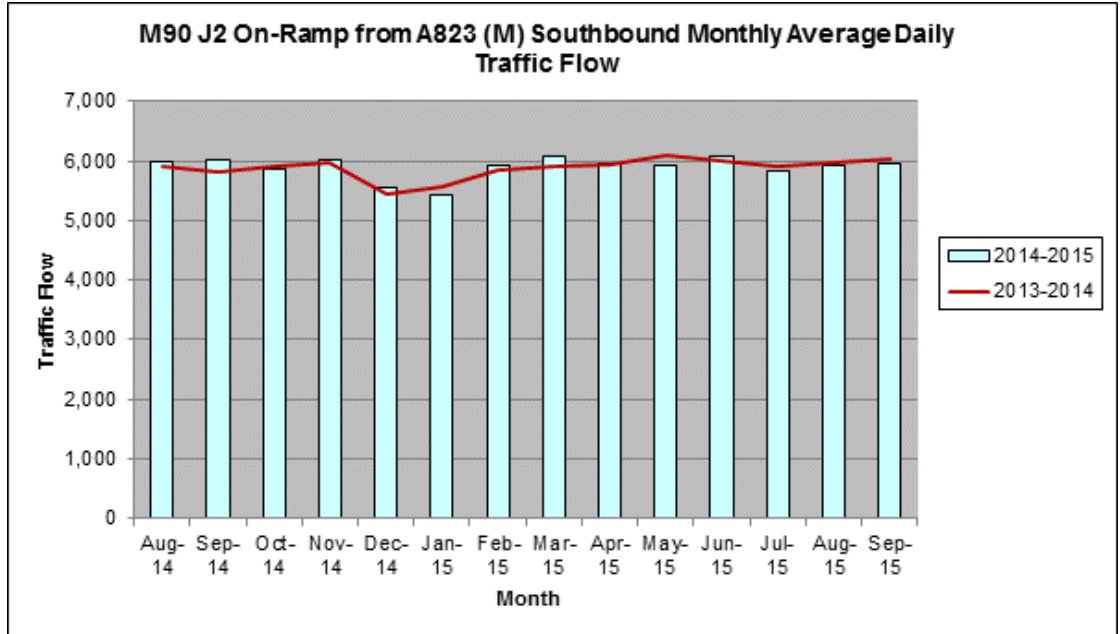


Figure 3-75 Monthly AADTs on the M90 J2 Southbound On-Ramp from A823 (M)

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

Table 3-58 Site: NTC01152 Monthly Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01152	M90 J2 Southbound On-Ramp from A823 (M)	Aug-11	No Data	No Data
		Aug-14	1,211	1,298
		Sep-14	1,275	1,334
		Oct-14	1,212	1,301
		Nov-14	1,214	1,328
		Dec-14	1,052	1,173
		Jan-15	1,085	1,248
		Feb-15	1,162	1,345
		Mar-15	1,227	1,380
		Apr-15	1,177	1,317
		May-15	1,162	1,303
		Jun-15	1,228	1,339
		Jul-15	1,191	1,243
		Aug-15	1,161	1,251
Sep-15	1,177	1,328		
	<b>Annual Average</b>	<b>1,183</b>	<b>1,301</b>	

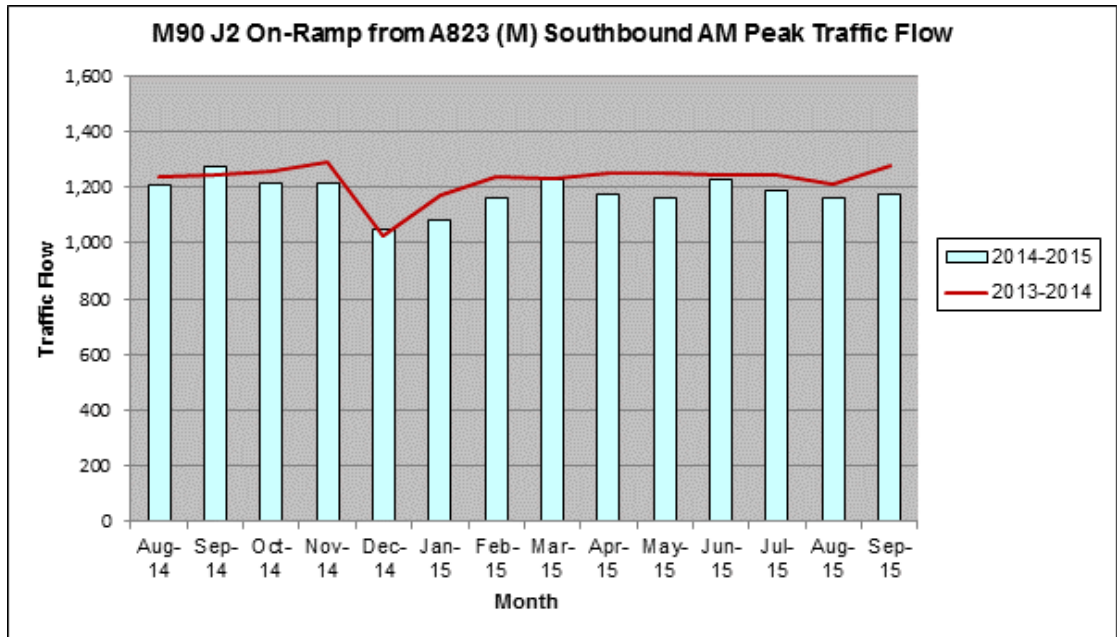


Figure 3-76 Monthly AM Peak Flows on the M90 J2 Southbound On-Ramp from A823 (M)

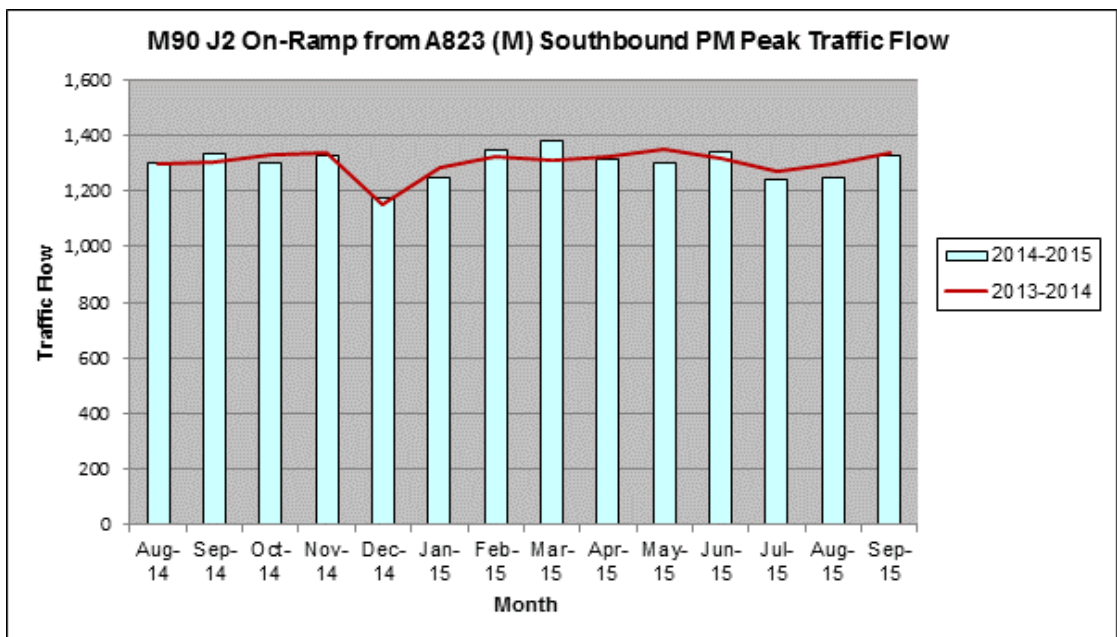
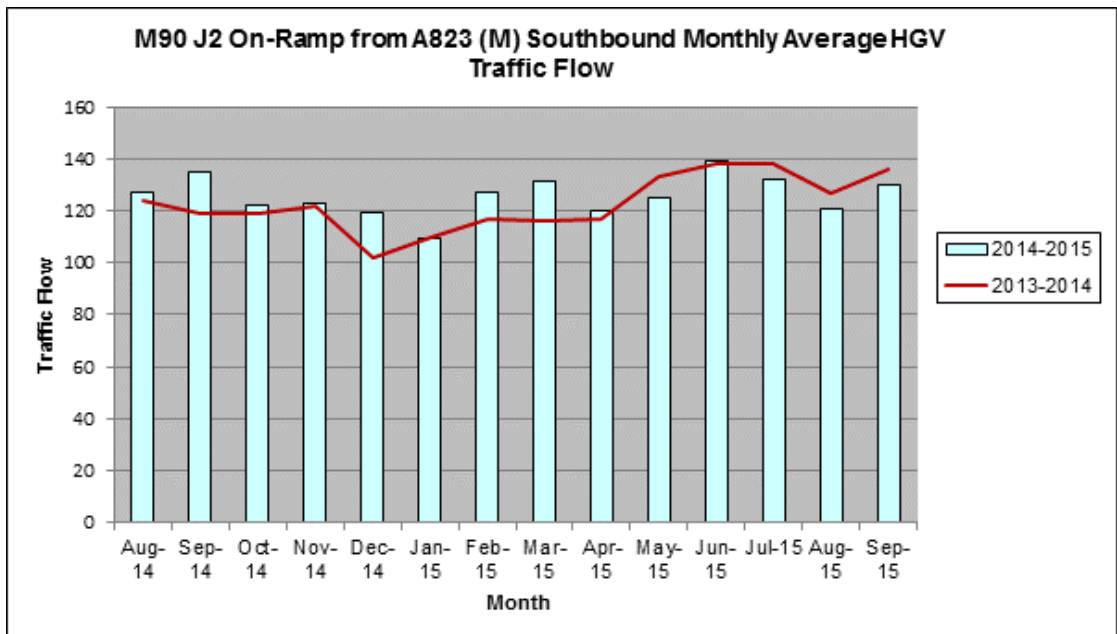


Figure 3-77 Monthly PM Peak Flows on the M90 J2 Southbound On-Ramp from A823 (M)

### 3.15.3 Monthly Average HGV Flows

**Table 3-59 Site: NTC01152 Annual HGV Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01152	M90 J2 Southbound On-Ramp from A823 (M)	Aug-11	No Data
		Aug-14	127
		Sep-14	135
		Oct-14	122
		Nov-14	123
		Dec-14	119
		Jan-15	109
		Feb-15	127
		Mar-15	131
		Apr-15	120
		May-15	125
		Jun-15	139
		Jul-15	132
		Aug-15	121
		Sep-15	130
		<b>Annual Average</b>	<b>126</b>

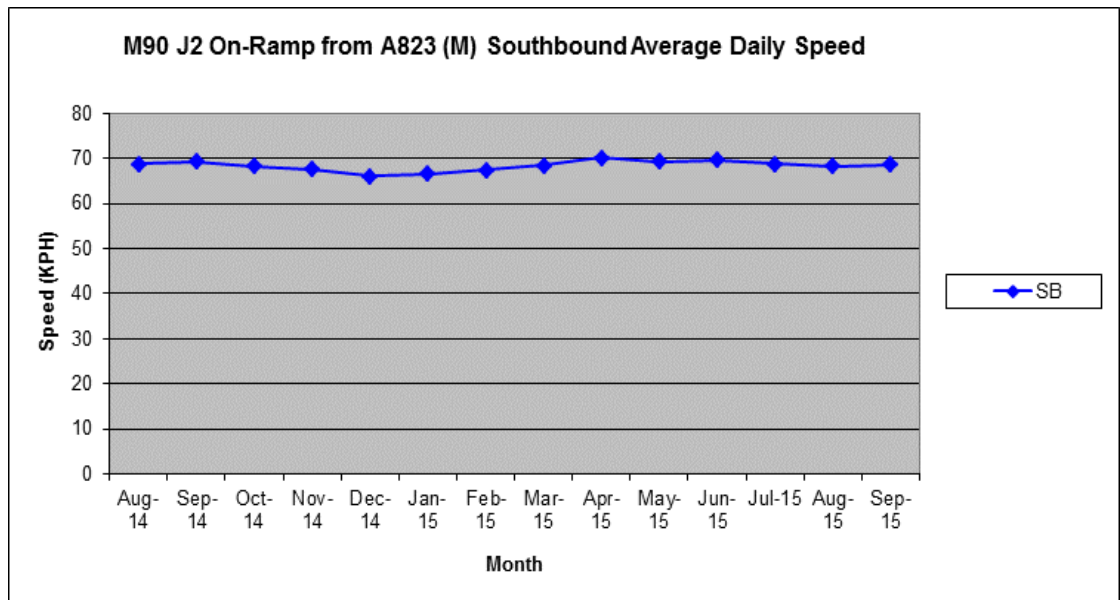


**Figure 3-78 Monthly HGV Traffic Flows on the M90 J2 Southbound On-Ramp from A823 (M)**

### 3.15.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-60 Site: NTC01152 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01152	M90 J2 Southbound On-Ramp from A823 (M)	Aug-14	69
		Sep-14	69
		Oct-14	68
		Nov-14	68
		Dec-14	66
		Jan-15	67
		Feb-15	68
		Mar-15	68
		Apr-15	70
		May-15	69
		Jun-15	70
		Jul-15	69
		Aug-15	68
		Sep-15	69



**Figure 3-79 Average Monthly Traffic Speeds (KPH) on the M90 J2 On-Ramp from A823 (M) Southbound**

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

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period since this counter was installed in 2012, therefore comparison cannot be made.
- Traffic flows remain consistent throughout the year, with a slight reduction in traffic flows during January.
- HGV flows were higher in every month compared to the previous reporting period, but followed a similar pattern to the previous period monitored.

#### 3.16.1 Monthly Average Traffic Flows

**Table 3-61 Site: NTC01153 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01153	M90 at J2 On-Ramp from A823(M)	Aug-11	No Data
		Aug-14	2,999
		Sep-14	3,172
		Oct-14	3,080
		Nov-14	3,103
		Dec-14	2,815
		Jan-15	2,934
		Feb-15	3,180
		Mar-15	3,245
		Apr-15	3,175
		May-15	3,139
		Jun-15	3,301
		Jul-15	3,208
		Aug-15	3,364
		Sep-15	3,535
	<b>Annual Average</b>	<b>3,113</b>	



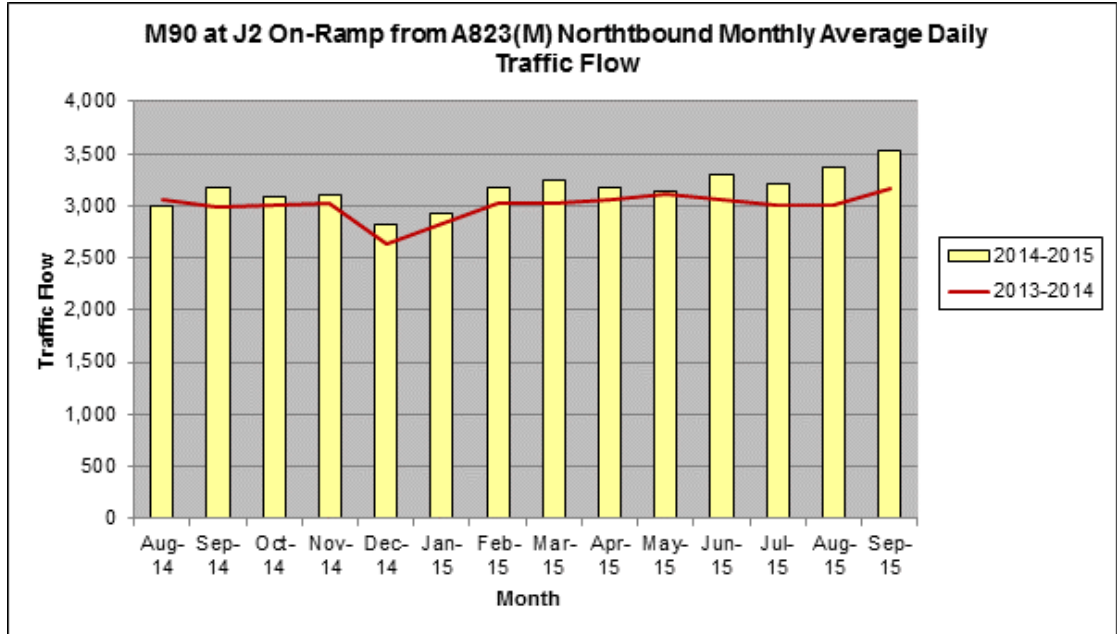


Figure 3-80 Monthly Northbound AADTs on the M90 at J2 On-Ramp from A823(M)

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

Table 3-62 Site: NTC01153 Monthly Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01153	M90 at J2 On-Ramp from A823(M)	Aug-11	No Data	No Data
		Aug-14	492	876
		Sep-14	559	955
		Oct-14	520	933
		Nov-14	537	919
		Dec-14	465	776
		Jan-15	503	893
		Feb-15	568	966
		Mar-15	574	982
		Apr-15	531	936
		May-15	540	911
		Jun-15	577	982
		Jul-15	525	974
		Aug-15	548	1,036
Sep-15	630	1,099		
	<b>Annual Average</b>	<b>533</b>	<b>925</b>	

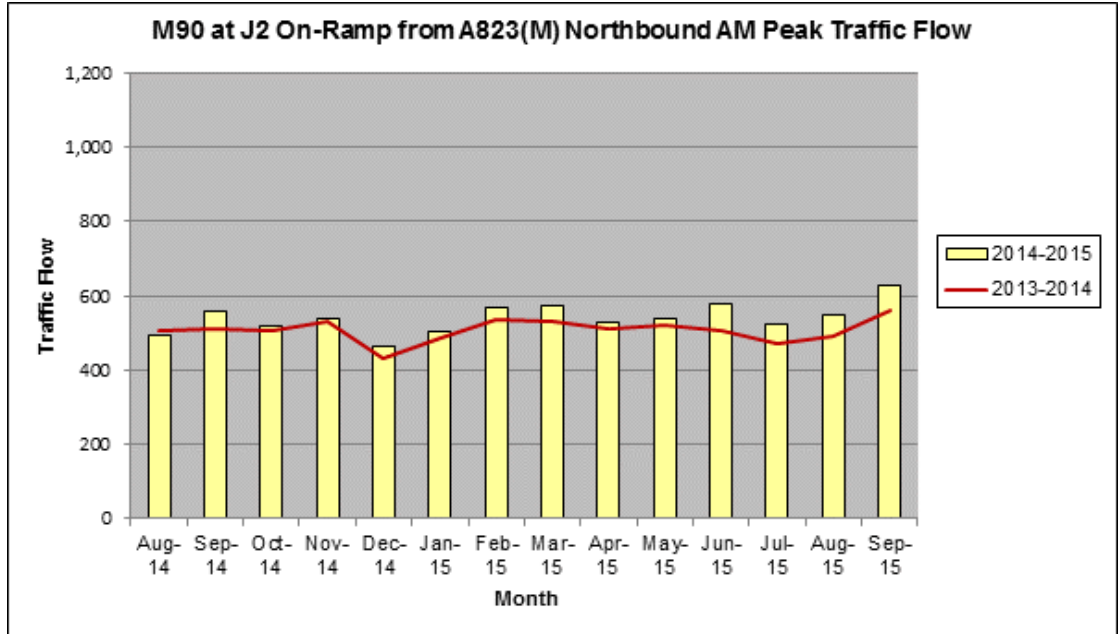


Figure 3-81 Monthly Northbound AM Peak Flows on the M90 at J2 On-Ramp from A823(M)

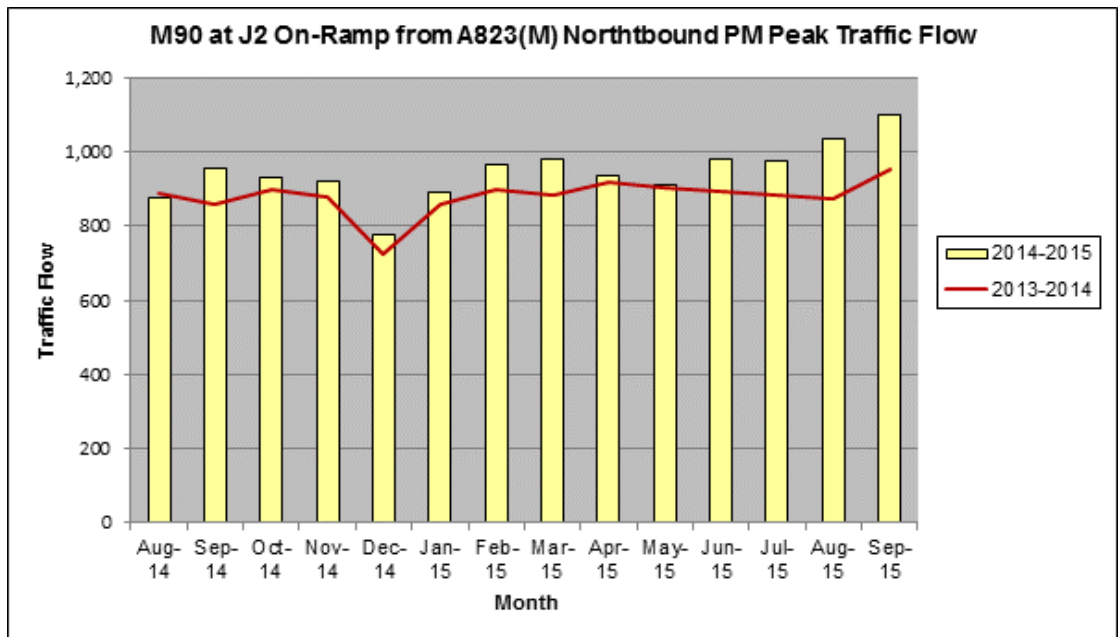


Figure 3-82 Monthly Northbound PM Peak Flows on the M90 at J2 On-Ramp from A823(M)

### 3.16.3 Monthly Average HGV Flows

Table 3-63 Site: NTC01153 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
NTC01153	M90 at J2 On-Ramp from A823(M)	Aug-11	No Data
		Aug-14	60
		Sep-14	61
		Oct-14	60
		Nov-14	64
		Dec-14	58
		Jan-15	61
		Feb-15	62
		Mar-15	70
		Apr-15	66
		May-15	69
		Jun-15	76
		Jul-15	77
		Aug-15	79
		Sep-15	92
		<b>Annual Average</b>	<b>65</b>

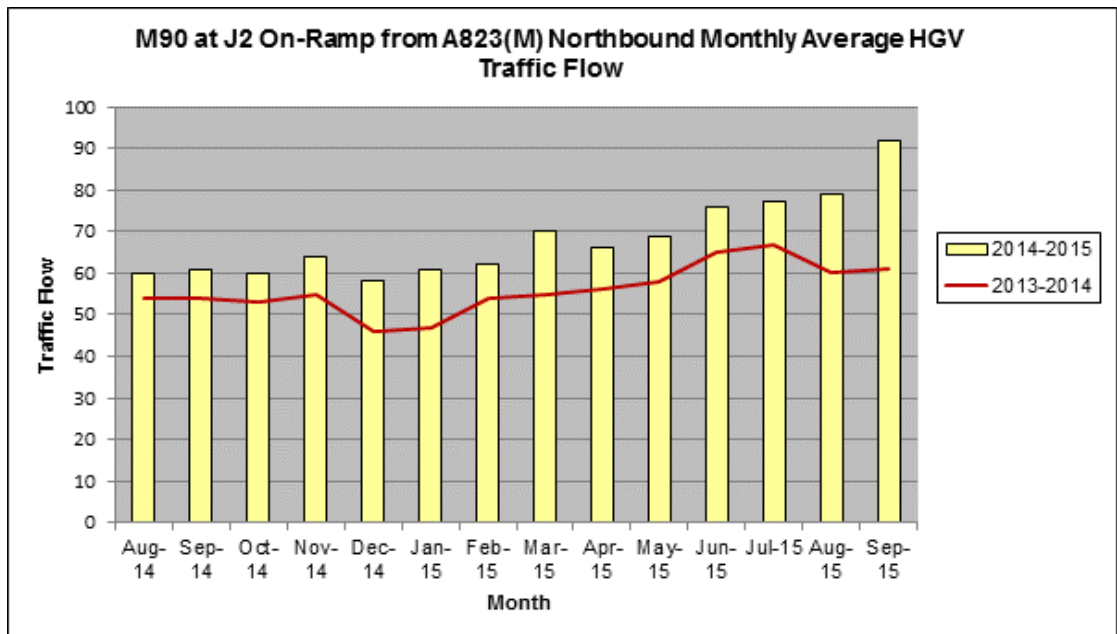
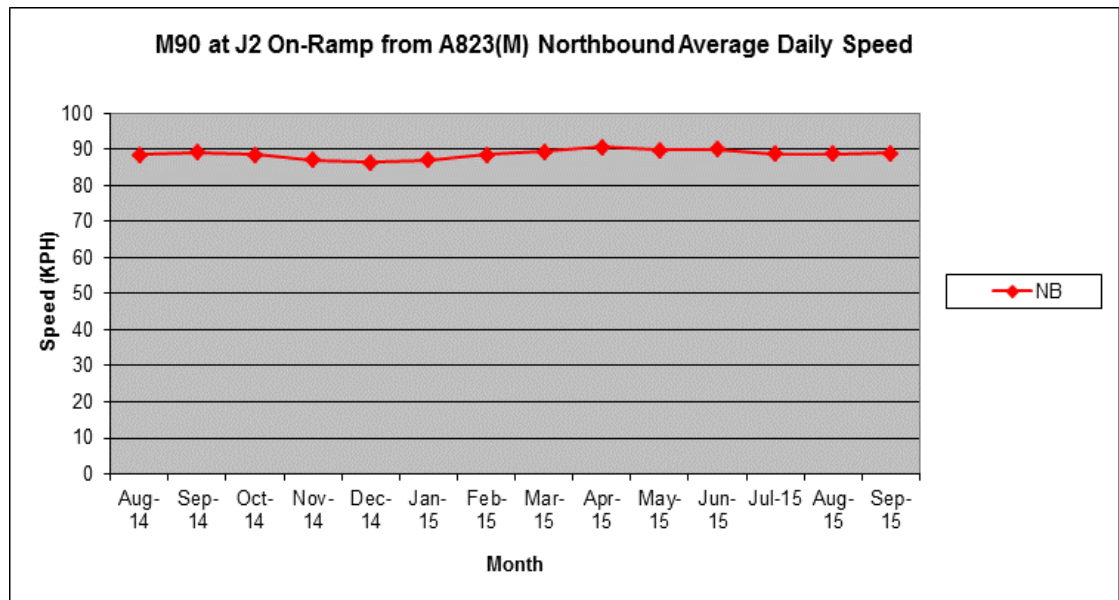


Figure 3-83 Monthly Northbound HGV Traffic Flows on the M90 at J2 On-Ramp from A823(M)

### 3.16.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-64 Site: NTC01153 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01153	M90 at J2 On-Ramp from A823(M)	Aug-14	89
		Sep-14	89
		Oct-14	89
		Nov-14	87
		Dec-14	86
		Jan-15	87
		Feb-15	88
		Mar-15	89
		Apr-15	91
		May-15	90
		Jun-15	90
		Jul-15	89
		Aug-15	89
		Sep-15	89



**Figure 3-84 Average Monthly Traffic Speeds (KPH) on the M90 at J2 On-Ramp from A823(M) Northbound**

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

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period since this counter was installed in 2012, therefore comparison cannot be made.
- Traffic flows remain consistent throughout the year, with a slight reduction in traffic flows during January.

#### 3.17.1 Monthly Average Traffic Flows

**Table 3-65 Site: NTC01154 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01154	M90 J2 Off-Ramp to A823 (M)	Aug-11	No Data
		Aug-14	3,054
		Sep-14	3,231
		Oct-14	3,218
		Nov-14	3,070
		Dec-14	2,792
		Jan-15	2,908
		Feb-15	3,215
		Mar-15	3,237
		Apr-15	3,167
		May-15	3,225
		Jun-15	3,312
		Jul-15	3,260
		Aug-15	3,351
		Sep-15	3,535
	<b>Annual Average</b>	<b>3,141</b>	

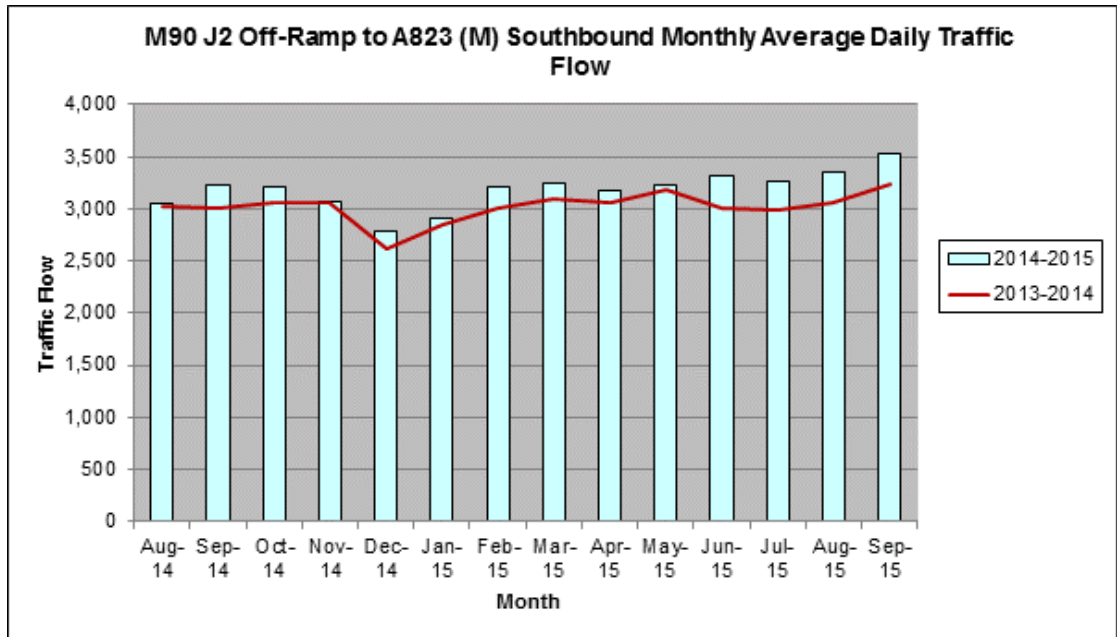


Figure 3-85 Monthly Southbound AADTs on the M90 J2 Off-Ramp to A823 (M)

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

Table 3-66 Site: NTC01154 Monthly Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01154	M90 J2 Off-Ramp to A823 (M)	Aug-11	No Data	No Data
		Aug-14	897	628
		Sep-14	1,029	612
		Oct-14	1,013	606
		Nov-14	998	553
		Dec-14	811	493
		Jan-15	939	510
		Feb-15	1,039	579
		Mar-15	1,044	587
		Apr-15	937	594
		May-15	980	605
		Jun-15	999	632
		Jul-15	932	621
		Aug-15	940	661
Sep-15	1,144	655		
	<b>Annual Average</b>	<b>968</b>	<b>585</b>	

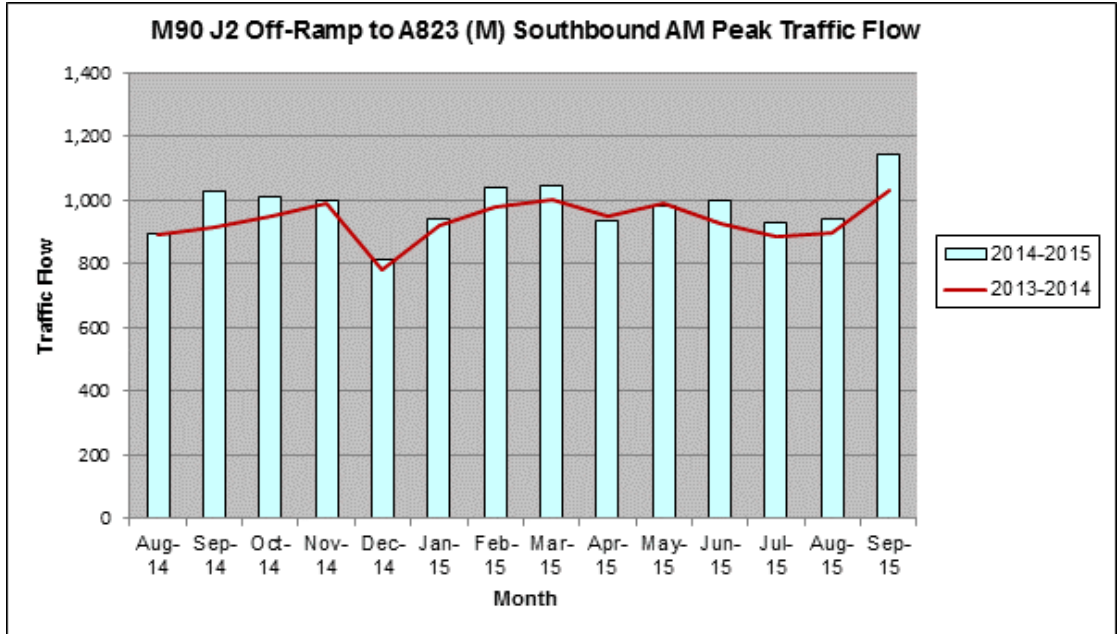


Figure 3-86 Monthly Southbound AM Peak Flows on the M90 J2 Off-Ramp to A823 (M)

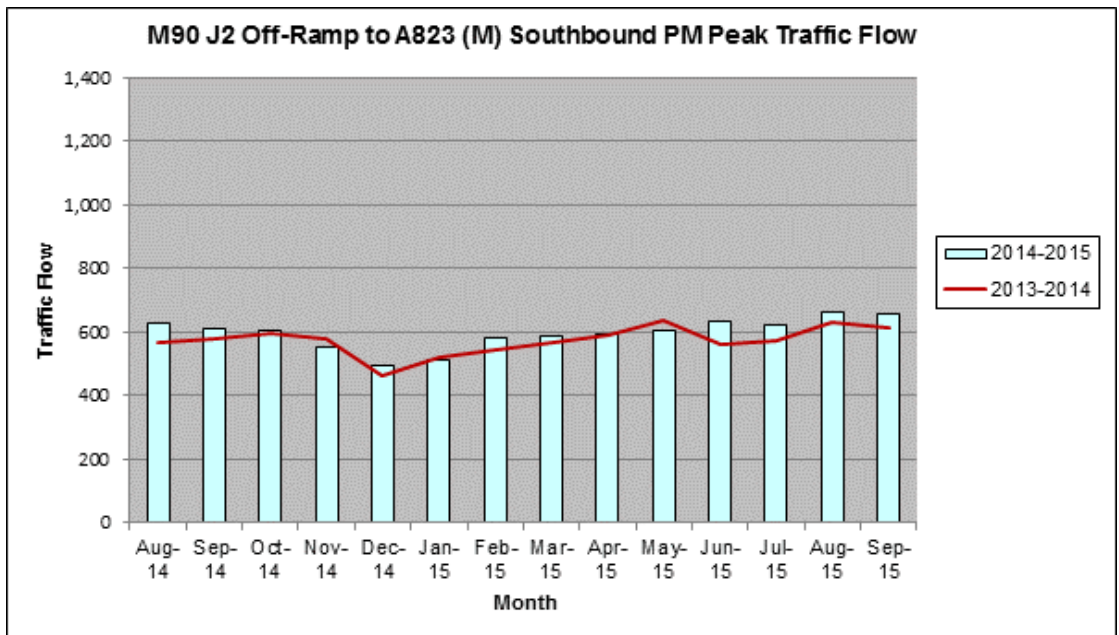
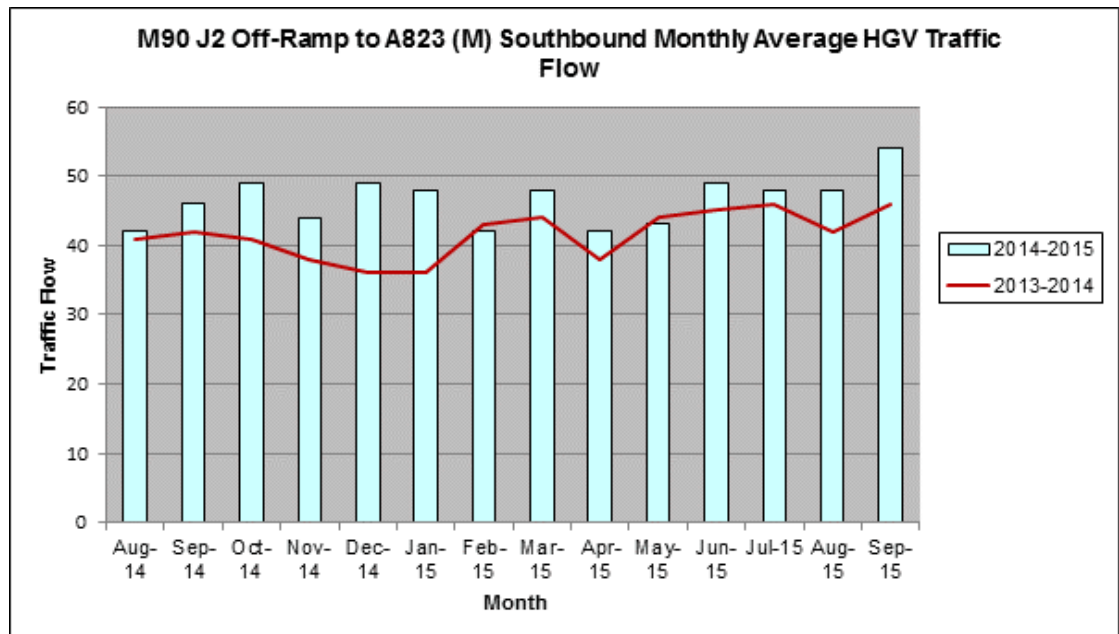


Figure 3-87 Monthly Southbound PM Peak Flows on the M90 J2 Off-Ramp to A823 (M)

### 3.17.3 Monthly Average HGV Flows

**Table 3-67 Site: NTC01154 Annual HGV Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01154	M90 J2 Off-Ramp to A823 (M)	Aug-11	No Data
		Aug-14	42
		Sep-14	46
		Oct-14	49
		Nov-14	44
		Dec-14	49
		Jan-15	48
		Feb-15	42
		Mar-15	48
		Apr-15	42
		May-15	43
		Jun-15	49
		Jul-15	48
		Aug-15	48
		Sep-15	54
		<b>Annual Average</b>	<b>46</b>



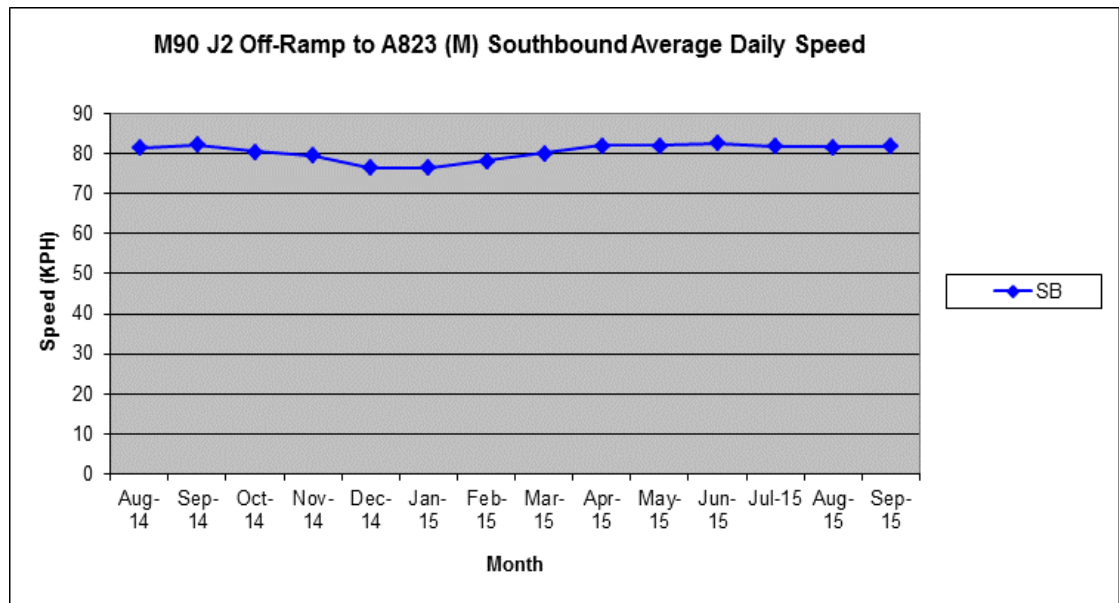
**Figure 3-88 Monthly Southbound HGV Traffic Flows on the M90 J2 Off-Ramp to A823 (M)**



### 3.17.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-68 Site: NTC01154 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01154	M90 J2 Off-Ramp to A823 (M)	Aug-14	81
		Sep-14	82
		Oct-14	80
		Nov-14	80
		Dec-14	76
		Jan-15	76
		Feb-15	78
		Mar-15	80
		Apr-15	82
		May-15	82
		Jun-15	83
		Jul-15	82
		Aug-15	82
		Sep-15	82



**Figure 3-89 Average Monthly Traffic Speeds (KPH) on the M90 J2 Off-Ramp to A823 (M) Southbound**

### 3.18 Traffic Counter NTC01149 - M90 at J2 Masterton Northbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period since this counter was installed in 2012, therefore comparison cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in January and higher flows over the summer months.
- HGV flows follow a similar pattern to general traffic.

#### 3.18.1 Monthly Average Traffic Flows

**Table 3-69 Site: NTC01149 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01149	M90 at J2 Masterton Northbound	Aug-11	No Data
		Aug-14	27,003
		Sep-14	26,478
		Oct-14	25,138
		Nov-14	24,708
		Dec-14	22,832
		Jan-15	21,885
		Feb-15	24,935
		Mar-15	25,565
		Apr-15	26,526
		May-15	26,372
		Jun-15	27,052
		Jul-15	27,557
		Aug-15	27,530
		Sep-15	26,802
<b>Annual Average</b>	<b>25,504</b>		

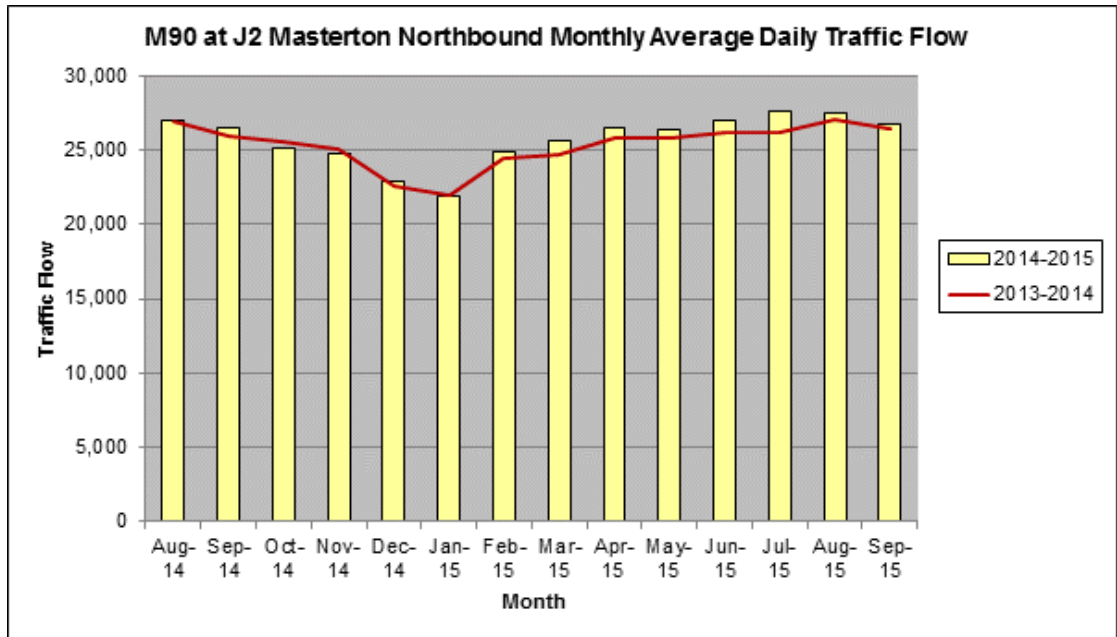


Figure 3-90 Monthly AADTs on the M90 at J2 Masterton Northbound

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

Table 3-70 Site: NTC01149 Monthly Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01149	M90 at J2 Masterton Northbound	Aug-11	No Data	No Data
		Aug-14	4,567	6,105
		Sep-14	4,918	6,176
		Oct-14	4,564	5,851
		Nov-14	4,481	5,958
		Dec-14	3,738	5,351
		Jan-15	3,876	5,496
		Feb-15	4,476	6,176
		Mar-15	4,666	6,205
		Apr-15	4,596	6,358
		May-15	4,550	6,212
		Jun-15	4,814	6,309
		Jul-15	4,806	6,273
		Aug-15	4,582	6,227
Sep-15	4,793	6,262		
	<b>Annual Average</b>	<b>4,505</b>	<b>6,039</b>	

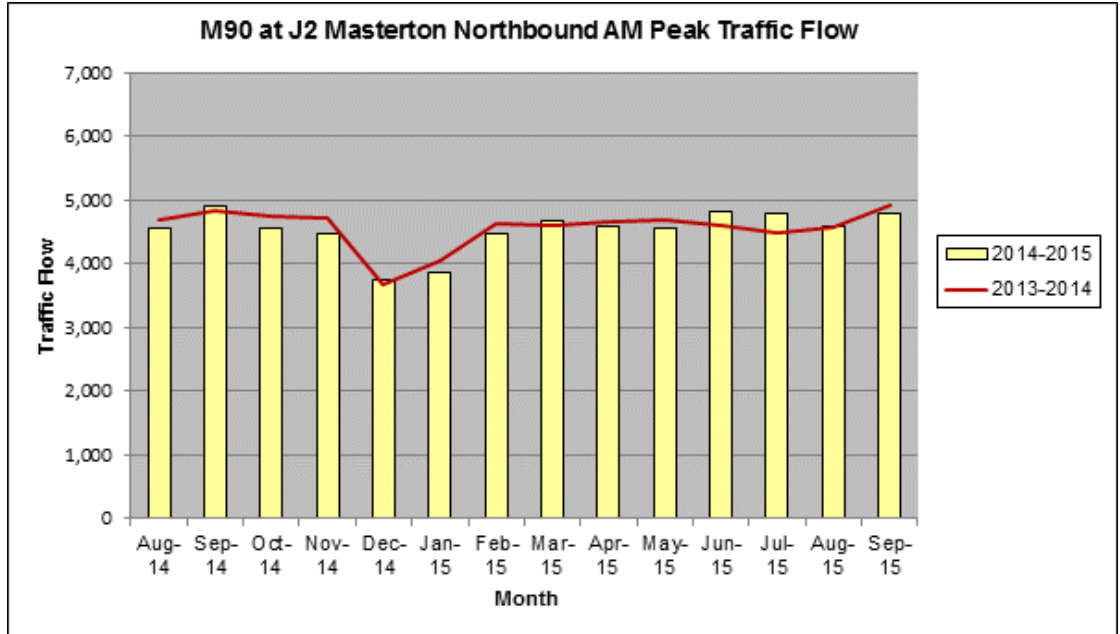


Figure 3-91 Monthly AM Peak Flows on the M90 at J2 Masterton Northbound

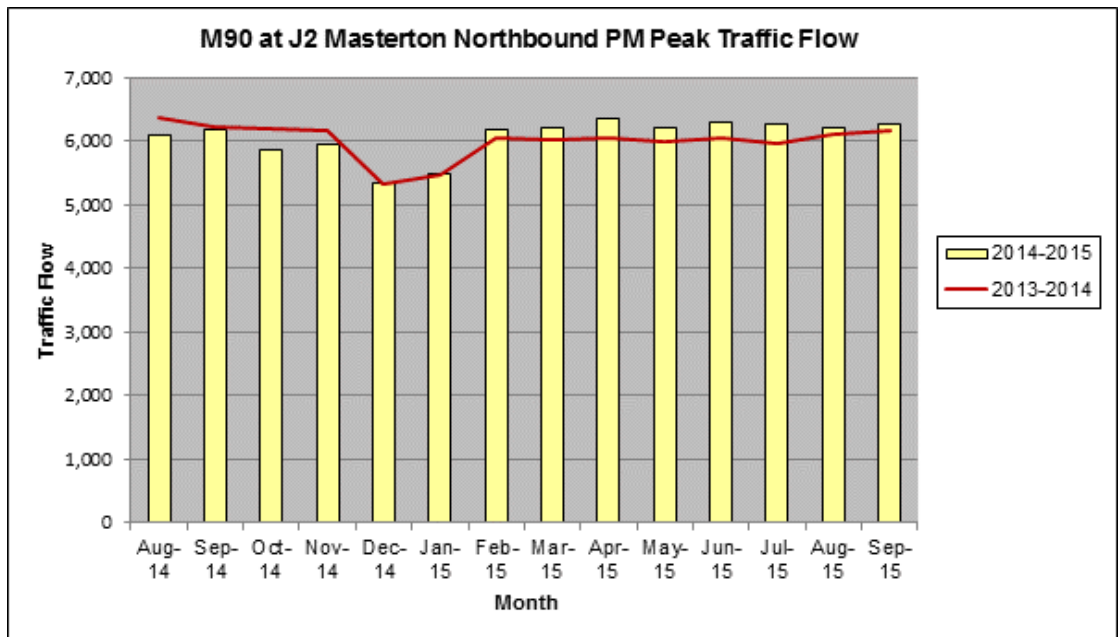


Figure 3-92 Monthly PM Peak Flows on the M90 at J2 Masterton Northbound

### 3.18.3 Monthly Average HGV Flows

Table 3-71 Site: NTC01149 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
NTC01149	M90 at J2 Masterton Northbound	Aug-11	No Data
		Aug-14	1,636
		Sep-14	1,736
		Oct-14	1,662
		Nov-14	1,709
		Dec-14	1,497
		Jan-15	1,458
		Feb-15	1,690
		Mar-15	1,695
		Apr-15	1,701
		May-15	1,630
		Jun-15	1,745
		Jul-15	1,707
		Aug-15	1,643
		Sep-15	1,771
		<b>Annual Average</b>	<b>1,656</b>

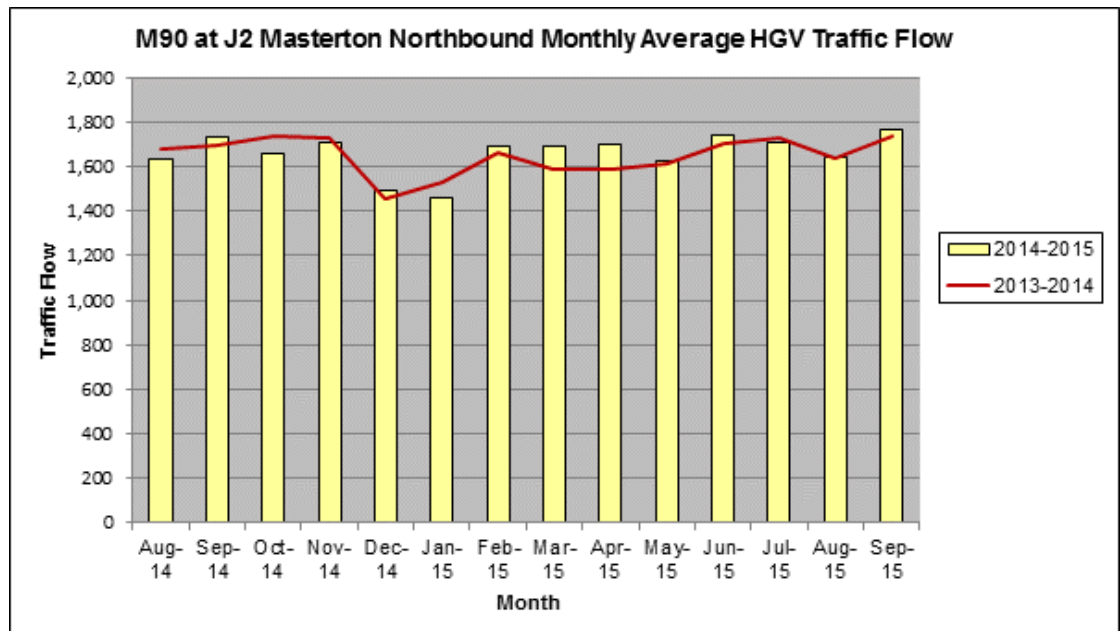
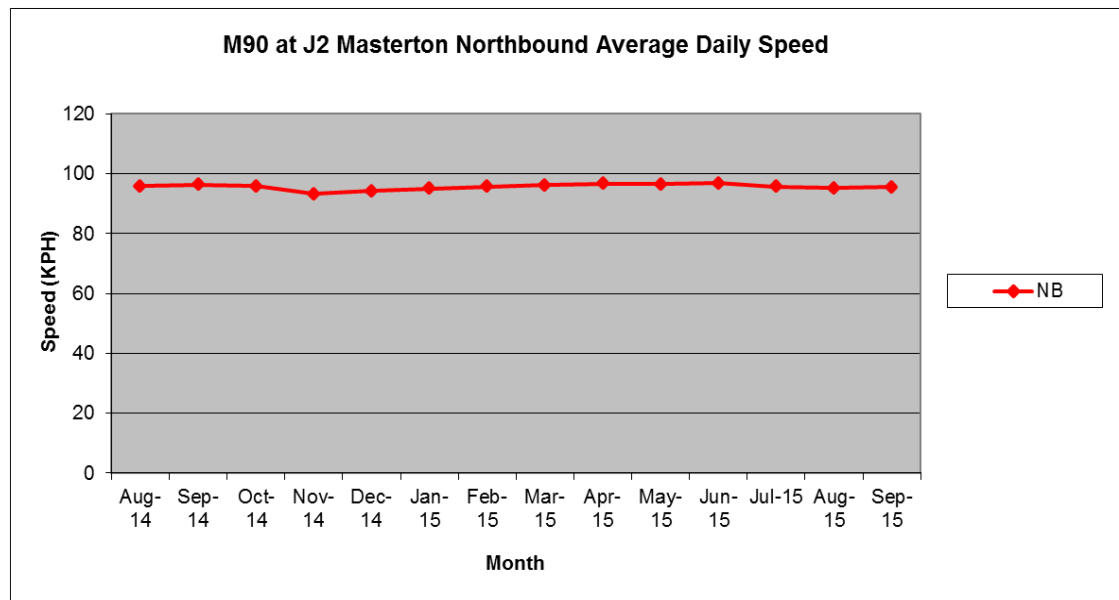


Figure 3-93 Monthly HGV Traffic Flows on the M90 at J2 Masterton Northbound

### 3.18.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-72 Site: NTC01149 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01149	M90 at J2 Masterton Northbound	Aug-14	96
		Sep-14	96
		Oct-14	96
		Nov-14	93
		Dec-14	94
		Jan-15	95
		Feb-15	96
		Mar-15	96
		Apr-15	97
		May-15	97
		Jun-15	97
		Jul-15	96
		Aug-15	95
		Sep-15	96



**Figure 3-94 Average Monthly Traffic Speeds (KPH) on the M90 at J2 Masterton Northbound**

### 3.19 Traffic Counter NTC01151 - M90 at J2 Masterton Southbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison 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.
- Traffic flows follow a similar pattern to the previous monitoring period.

#### 3.19.1 Monthly Average Traffic Flows

**Table 3-73 Site: NTC01151 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01151	M90 at J2 Masterton Southbound	Aug-11	No Data
		Aug-14	28,818
		Sep-14	27,877
		Oct-14	26,532
		Nov-14	25,650
		Dec-14	23,292
		Jan-15	22,119
		Feb-15	25,265
		Mar-15	25,676
		Apr-15	27,468
		May-15	27,269
		Jun-15	28,201
		Jul-15	28,970
		Aug-15	29,004
		Sep-15	28,121
	<b>Annual Average</b>	<b>26,428</b>	

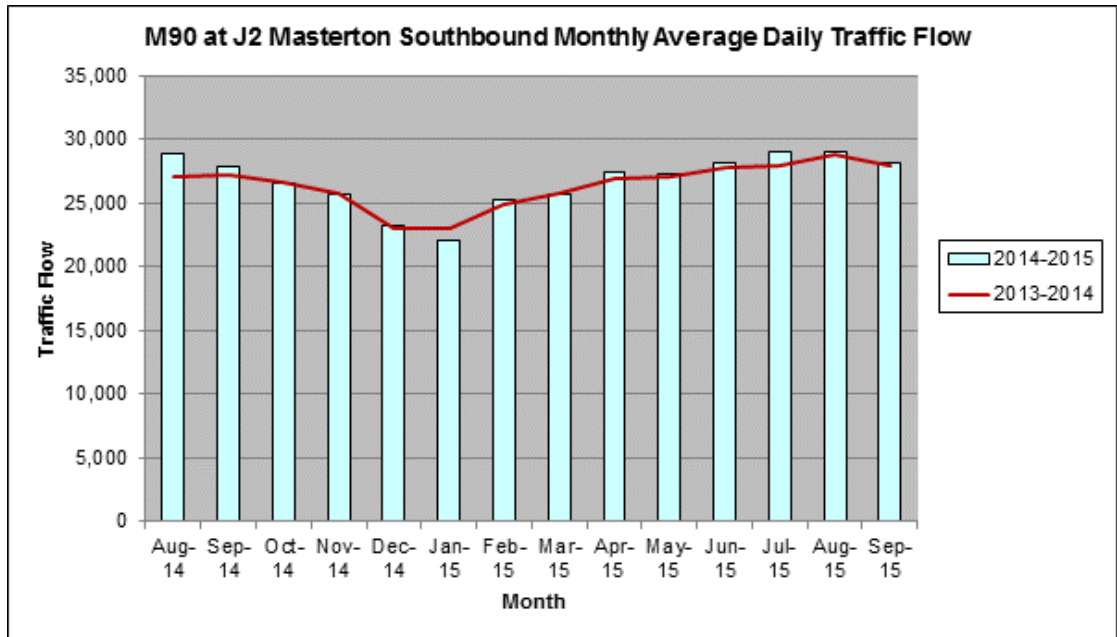


Figure 3-95 Monthly AADTs on the M90 at J2 Masterton Southbound

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

Table 3-74 Site: NTC01151 Monthly Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01151	M90 at J2 Masterton Southbound	Aug-11	No Data	No Data
		Aug-14	4,796	6,175
		Sep-14	4,983	6,167
		Oct-14	4,661	5,778
		Nov-14	4,390	5,576
		Dec-14	3,683	4,792
		Jan-15	3,669	4,898
		Feb-15	4,215	5,598
		Mar-15	4,396	5,637
		Apr-15	4,458	6,115
		May-15	4,468	5,869
		Jun-15	4,928	5,947
		Jul-15	4,745	5,954
		Aug-15	4,669	6,161
Sep-15	4,680	6,098		
	<b>Annual Average</b>	<b>4,449</b>	<b>5,709</b>	



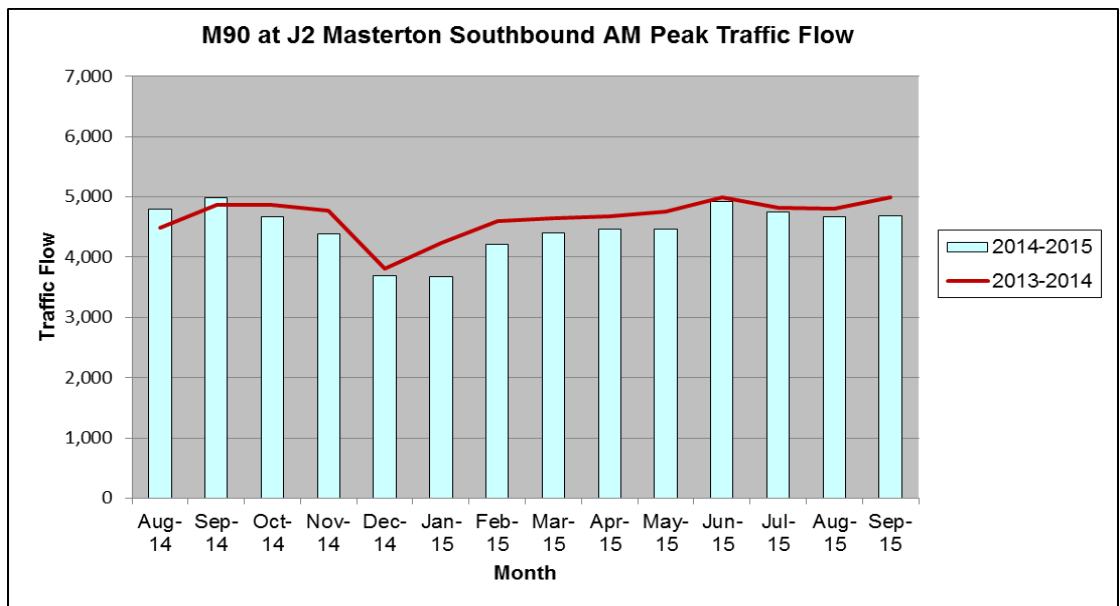


Figure 3-96 Monthly AM Peak Flows on the M90 at J2 Masterton Southbound

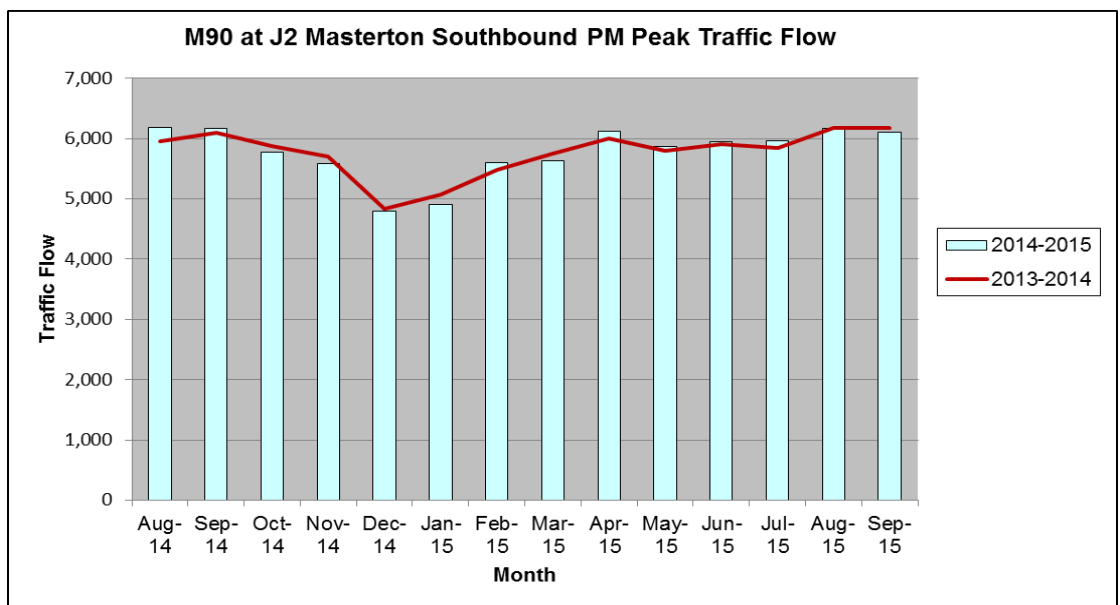


Figure 3-97 Monthly PM Peak Flows on the M90 at J2 Masterton Southbound

### 3.19.3 Monthly Average HGV Flows

Table 3-75 Site: NTC01151 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTC01151	M90 at J2 Masterton Southbound	Aug-11	No Data
		Aug-14	1,757
		Sep-14	1,854
		Oct-14	1,761
		Nov-14	1,704
		Dec-14	1,492
		Jan-15	1,425
		Feb-15	1,673
		Mar-15	1,691
		Apr-15	1,689
		May-15	1,665
		Jun-15	1,808
		Jul-15	1,772
		Aug-15	1,732
		Sep-15	1,853
		<b>Annual Average</b>	<b>1,691</b>

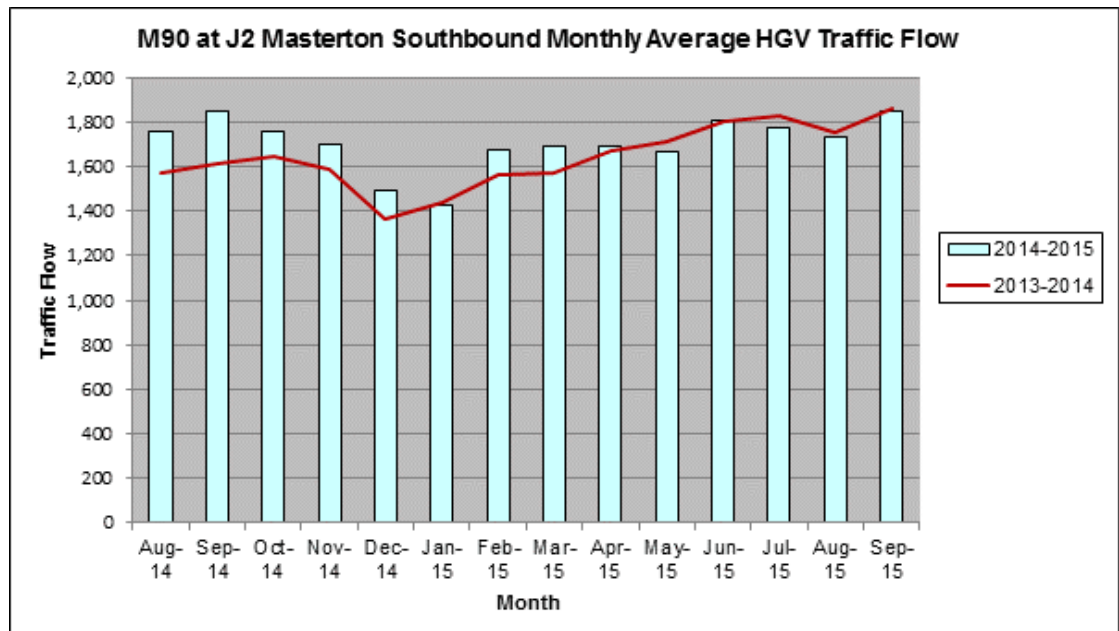
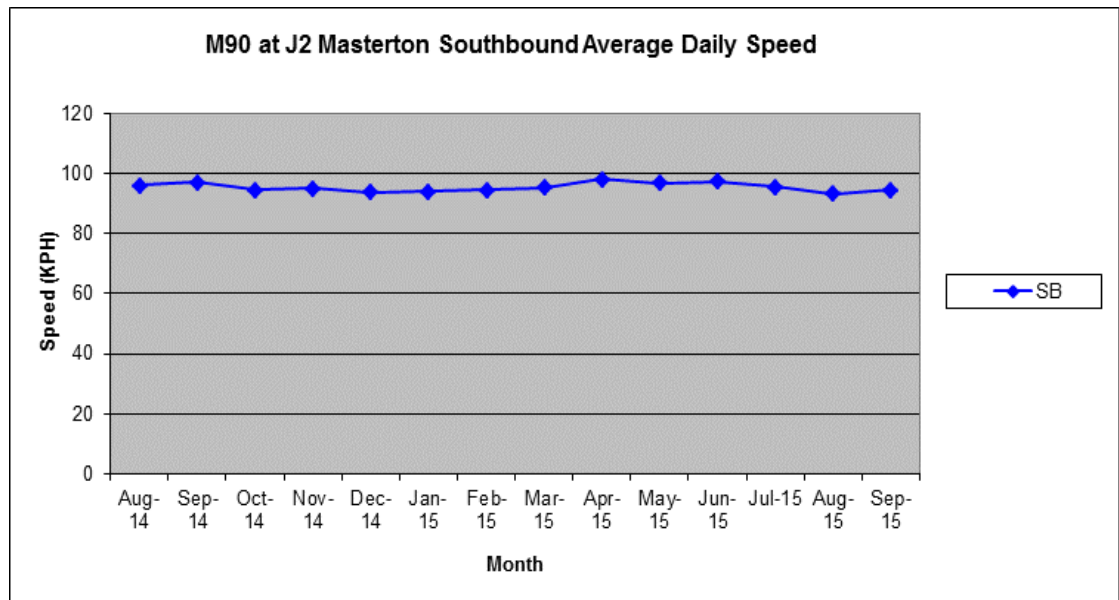


Figure 3-98 Monthly HGV Traffic Flows on the M90 at J2 Masterton Southbound

### 3.19.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-76 Site: NTC01151 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01151	M90 at J2 Masterton Southbound	Aug-14	96
		Sep-14	97
		Oct-14	94
		Nov-14	95
		Dec-14	94
		Jan-15	94
		Feb-15	95
		Mar-15	95
		Apr-15	98
		May-15	97
		Jun-15	97
		Jul-15	96
		Aug-15	93
		Sep-15	94



**Figure 3-99 Average Monthly Traffic Speeds (KPH) on the M90 at J2 Masterton Southbound**

### 3.20 Traffic Counter NTC01200 - A92 at J2a Halbeath Southbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison 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.

#### 3.20.1 Monthly Average Traffic Flows

**Table 3-77 Site: NTC01200 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01200	A92 at J2a Halbeath Southbound	Aug-11	No Data
		Aug-14	14,179
		Sep-14	13,932
		Oct-14	13,488
		Nov-14	13,146
		Dec-14	12,799
		Jan-15	12,948
		Feb-15	13,206
		Mar-15	13,194
		Apr-15	13,921
		May-15	13,743
		Jun-15	14,214
		Jul-15	14,508
		Aug-15	14,333
		Sep-15	14,198
	<b>Annual Average</b>	<b>13,607</b>	

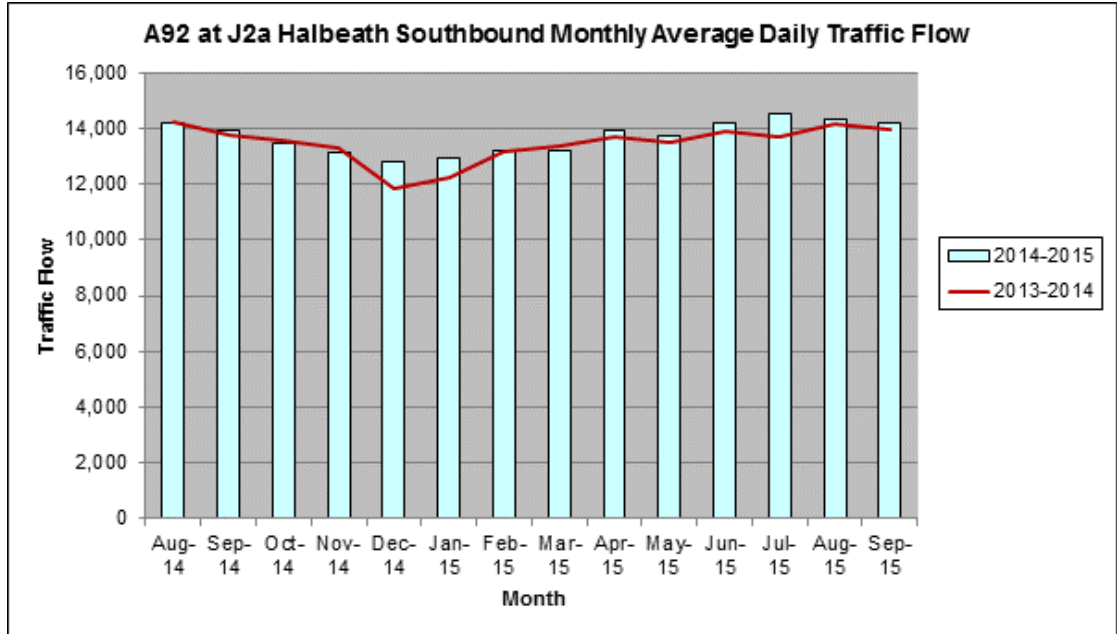


Figure 3-100 Monthly AADTs on the A92 at J2a Halbeath Southbound

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

Table 3-78 Site: NTC01200 Monthly Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01200	A92 at J2a Halbeath Southbound	Aug-11	No Data	No Data
		Aug-14	2,832	2,880
		Sep-14	3,008	2,855
		Oct-14	2,881	2,711
		Nov-14	2,748	2,651
		Dec-14	2,586	2,528
		Jan-15	2,709	2,635
		Feb-15	2,654	2,709
		Mar-15	2,641	2,696
		Apr-15	2,648	2,898
		May-15	2,728	2,718
		Jun-15	2,867	2,836
		Jul-15	2,830	2,789
		Aug-15	2,772	2,853
Sep-15	2,856	2,821		
		<b>Annual Average</b>	<b>2,761</b>	<b>2,742</b>

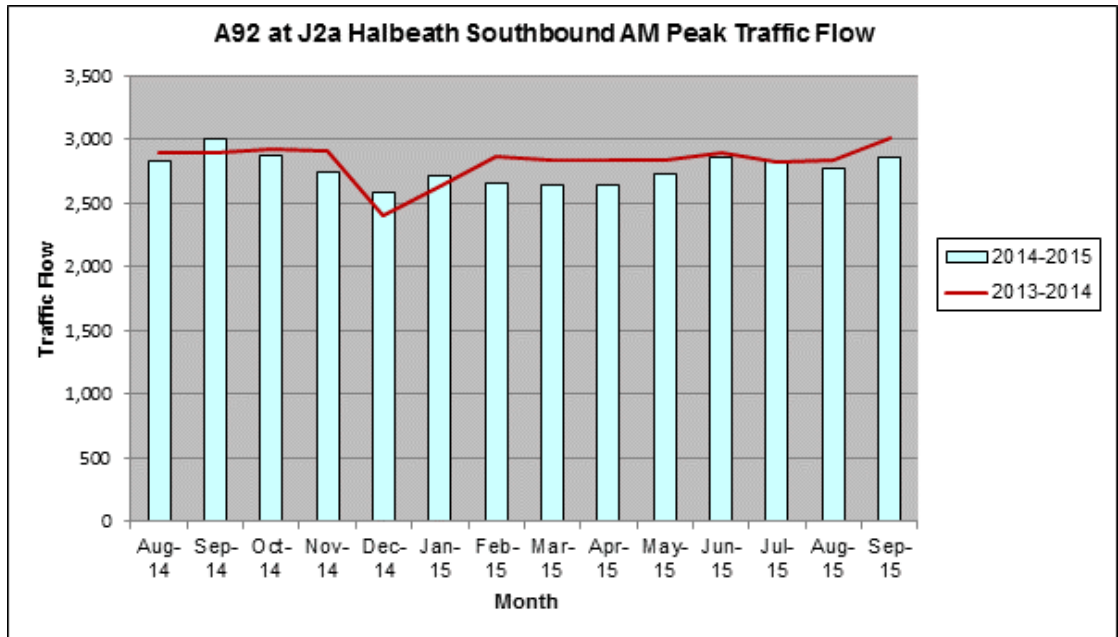


Figure 3-101 Monthly AM Peak Flows on the A92 at J2a Halbeath Southbound

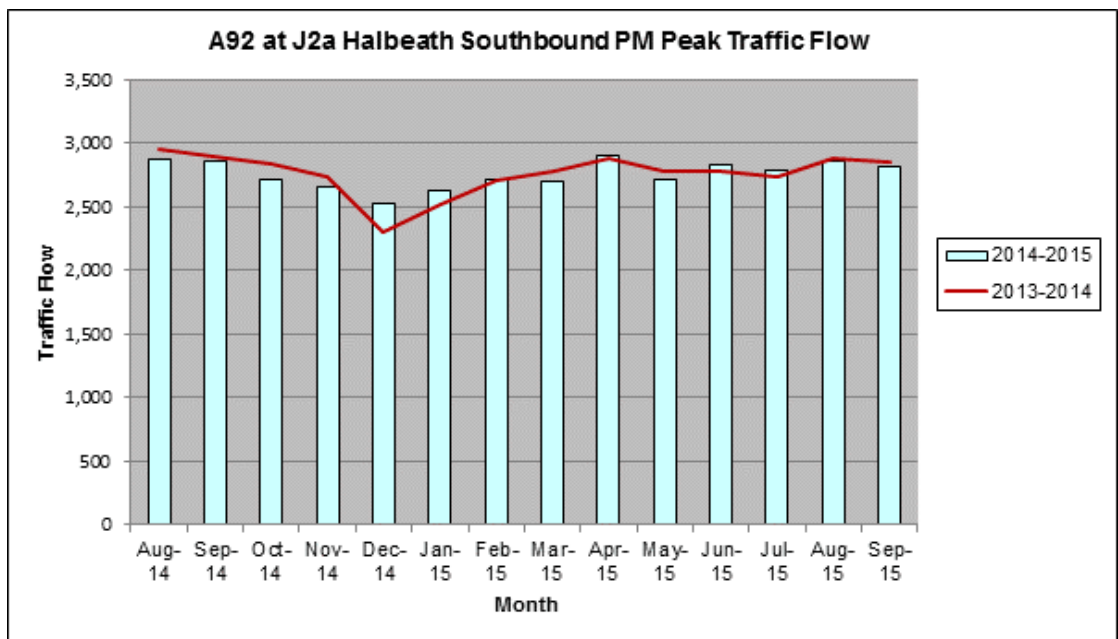


Figure 3-102 Monthly PM Peak Flows on the A92 at J2a Halbeath Southbound

### 3.20.3 Monthly Average HGV Flows

Table 3-79 Site: NTC01200 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTC01200	A92 at J2a Halbeath Southbound	Aug-11	No Data
		Aug-14	761
		Sep-14	788
		Oct-14	771
		Nov-14	765
		Dec-14	793
		Jan-15	792
		Feb-15	769
		Mar-15	733
		Apr-15	730
		May-15	717
		Jun-15	787
		Jul-15	792
		Aug-15	781
		Sep-15	832
		<b>Annual Average</b>	<b>767</b>

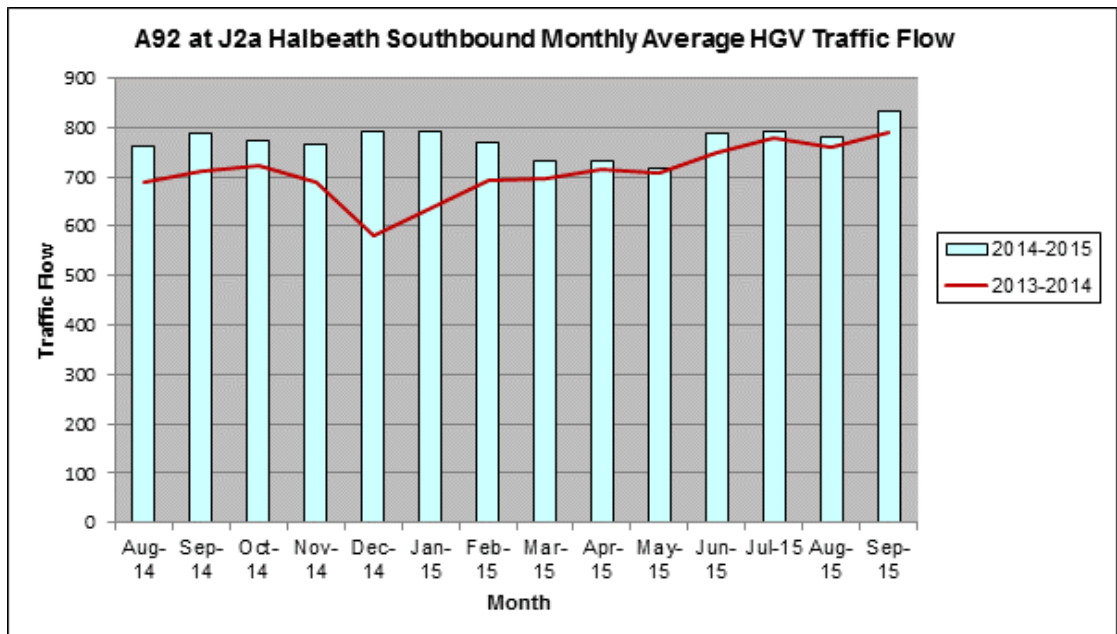
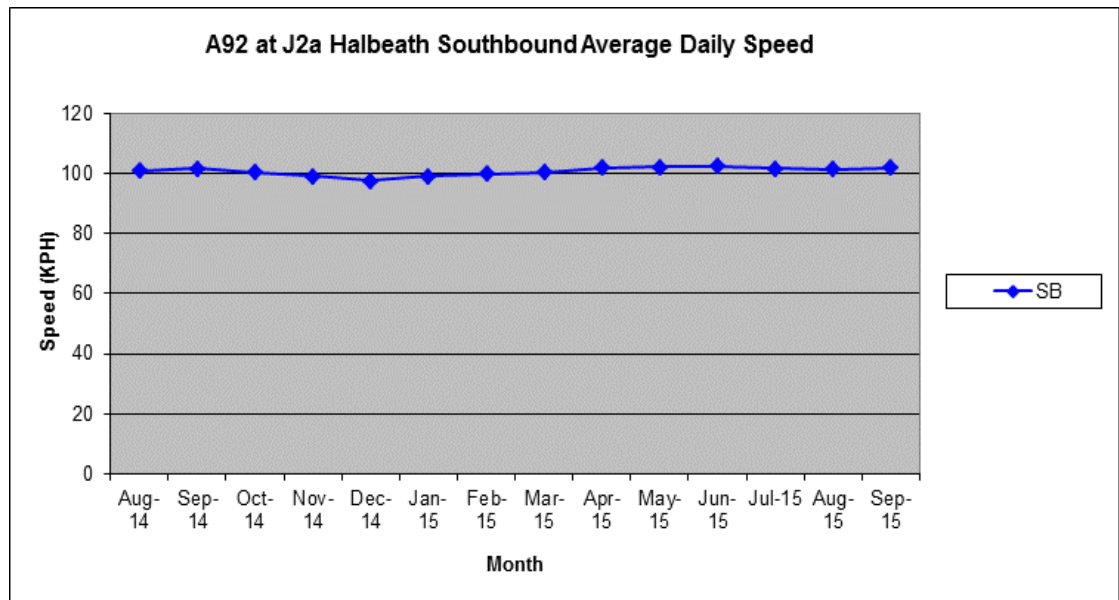


Figure 3-103 Monthly HGV Traffic Flows on the A92 at J2a Halbeath Southbound

### 3.20.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-80 Site: NTC01200 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01200	A92 at J2a Halbeath Southbound	Aug-14	101
		Sep-14	102
		Oct-14	100
		Nov-14	99
		Dec-14	97
		Jan-15	99
		Feb-15	100
		Mar-15	100
		Apr-15	102
		May-15	102
		Jun-15	102
		Jul-15	102
		Aug-15	101
		Sep-15	102



**Figure 3-104 Average Monthly Traffic Speeds (KPH) on the A92 at J2a Halbeath Southbound**



### 3.21 Traffic Counter NTC01189 - M90 at J3 Crossgates Northbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison 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.
- Traffic flows follow a similar pattern to the previous monitoring period.

#### 3.21.1 Monthly Average Traffic Flows

**Table 3-81 Site: NTC01189 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01189	M90 at J3 Crossgates Northbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	13,484
		Oct-14	12,314
		Nov-14	12,267
		Dec-14	10,681
		Jan-15	10,493
		Feb-15	11,573
		Mar-15	11,745
		Apr-15	12,679
		May-15	12,749
		Jun-15	13,240
		Jul-15	13,559
		Aug-15	13,825
		Sep-15	13,443
	<b>Annual Average</b>	<b>12,253</b>	

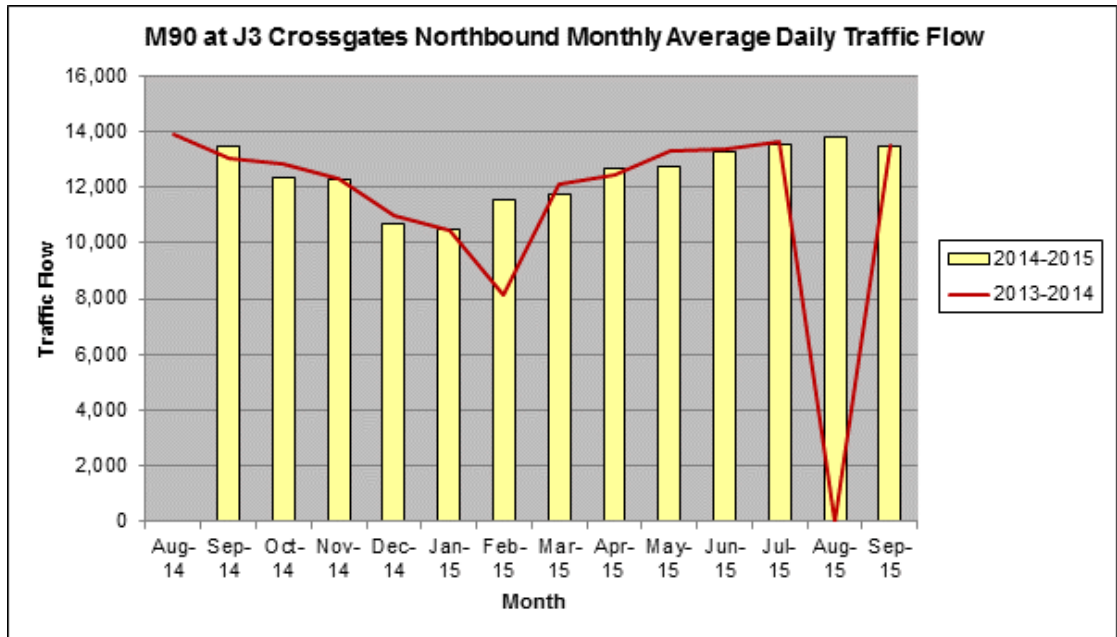


Figure 3-105 Monthly AADTs on the M90 at J3 Crossgates Northbound

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

Table 3-82 Site: NTC01189 Monthly Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01189	M90 at J3 Crossgates Northbound	Aug-11	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	2,457	3,025
		Oct-14	2,137	2,849
		Nov-14	2,214	2,860
		Dec-14	1,753	2,420
		Jan-15	1,809	2,560
		Feb-15	2,051	2,751
		Mar-15	2,163	2,716
		Apr-15	2,213	2,829
		May-15	2,175	2,876
		Jun-15	2,326	2,954
		Jul-15	2,317	2,912
		Aug-15	2,272	2,962
Sep-15	2,387	2,988		
	<b>Annual Average</b>	<b>2,147</b>	<b>2,796</b>	

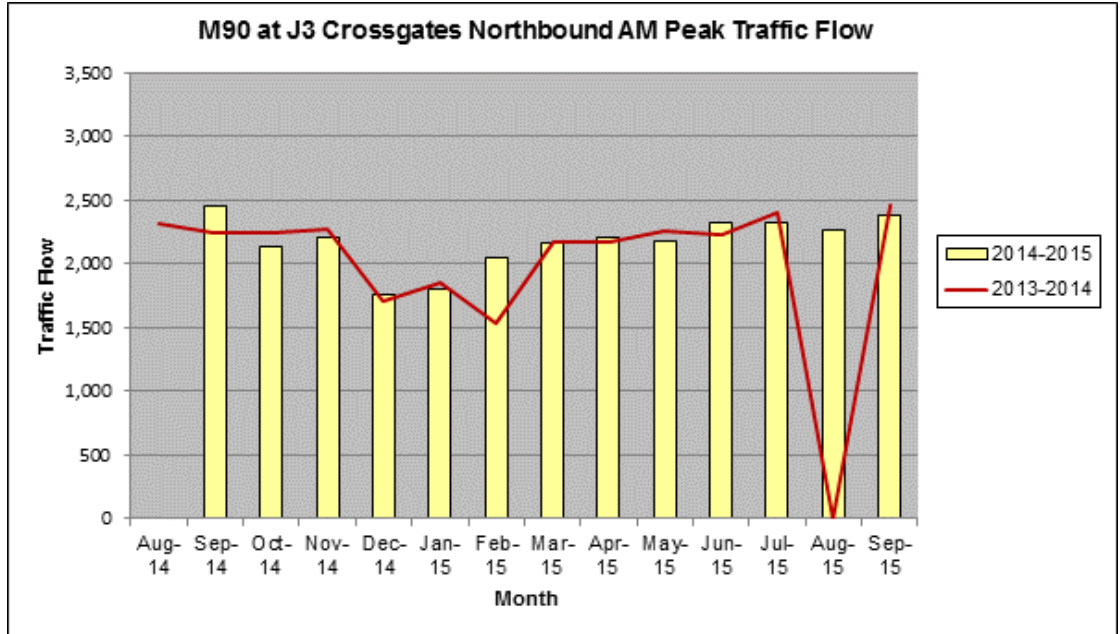


Figure 3-106 Monthly AM Peak Flows on the M90 at J3 Crossgates Northbound

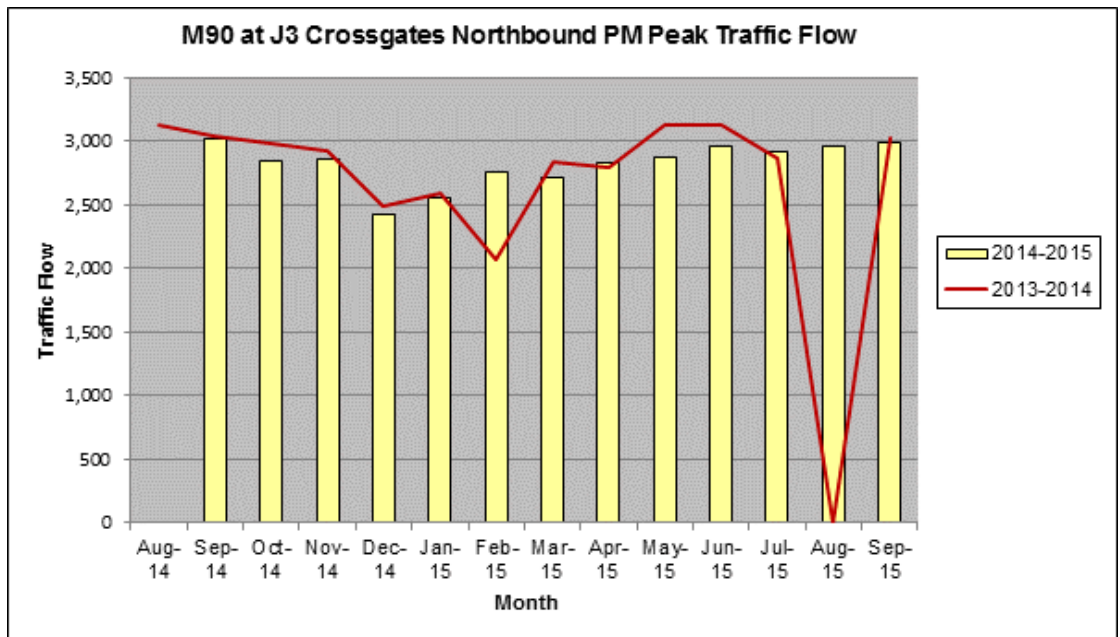


Figure 3-107 Monthly PM Peak Flows on the M90 at J3 Crossgates Northbound

### 3.21.3 Monthly Average HGV Flows

Table 3-83 Site: NTC01189 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
NTC01189	M90 at J3 Crossgates Northbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	862
		Oct-14	781
		Nov-14	848
		Dec-14	701
		Jan-15	674
		Feb-15	776
		Mar-15	794
		Apr-15	875
		May-15	853
		Jun-15	925
		Jul-15	913
		Aug-15	883
		Sep-15	960
		<b>Annual Average</b>	<b>818</b>

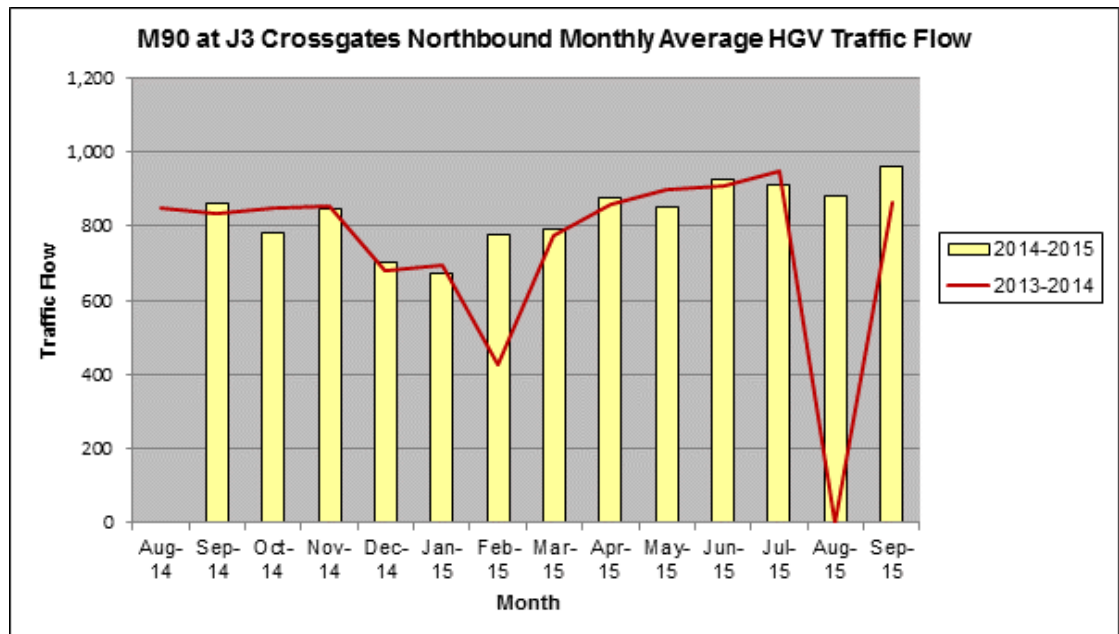
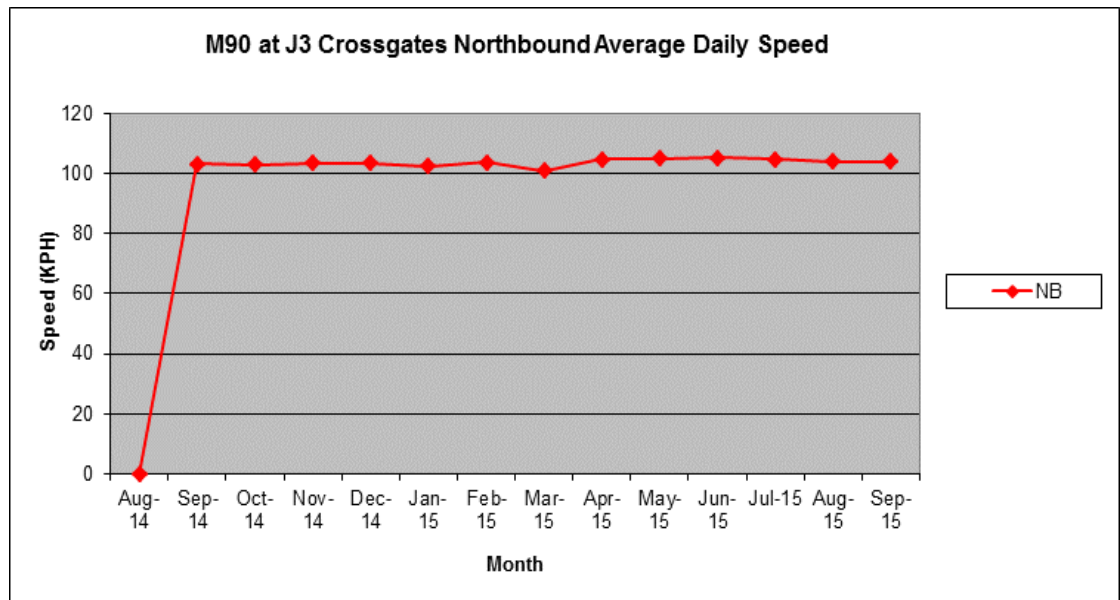


Figure 3-108 Monthly HGV Traffic Flows on the M90 at J3 Crossgates Northbound

### 3.21.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-84 Site: NTC01189 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01189	M90 at J3 Crossgates Northbound	Aug-14	No Data
		Sep-14	103
		Oct-14	103
		Nov-14	103
		Dec-14	103
		Jan-15	102
		Feb-15	104
		Mar-15	101
		Apr-15	105
		May-15	105
		Jun-15	105
		Jul-15	105
		Aug-15	104
		Sep-15	104



**Figure 3-109 Average Monthly Traffic Speeds (KPH) on the M90 at J3 Crossgates Northbound**

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

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Mis-classification of vehicles has been observed from April 2015 to June 2015.
- HGV traffic flows were generally higher than those recorded in the previous monitoring period.

#### 3.22.1 Monthly Average Traffic Flows

**Table 3-85 Site: NTC01190 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01190	M90 at J3 Crossgates On-Ramp Northbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	4,013
		Oct-14	3,808
		Nov-14	3,819
		Dec-14	3,642
		Jan-15	3,467
		Feb-15	3,716
		Mar-15	3,505
		Apr-15	3,582
		May-15	3,577
		Jun-15	3,500
		Jul-15	3,442
		Aug-15	No Data
		Sep-15	No Data
		<b>Annual Average</b>	<b>3,643</b>

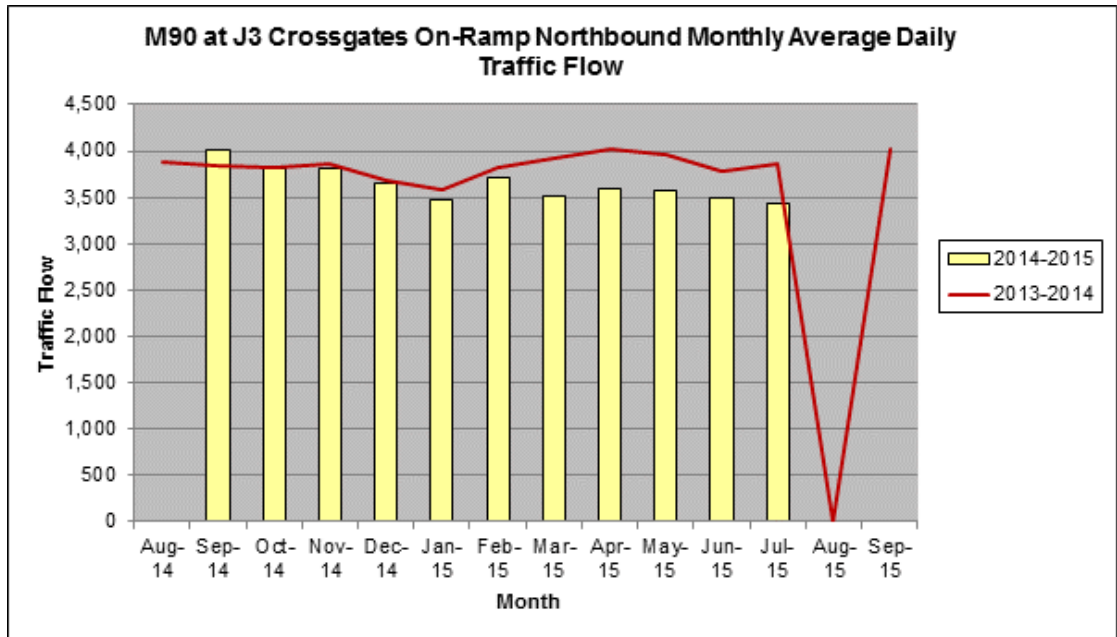


Figure 3-110 Monthly AADTs on the M90 at J3 Crossgates On-Ramp Northbound

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

Table 3-86 Site: NTC01190 Monthly Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01190	M90 at J3 Crossgates On-Ramp Northbound	Aug-11	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	738	953
		Oct-14	656	907
		Nov-14	658	926
		Dec-14	557	840
		Jan-15	594	828
		Feb-15	631	882
		Mar-15	639	866
		Apr-15	604	829
		May-15	601	851
		Jun-15	596	829
		Jul-15	554	807
		Aug-15	No Data	No Data
		Sep-15	No Data	No Data
	<b>Annual Average</b>	<b>621</b>	<b>865</b>	

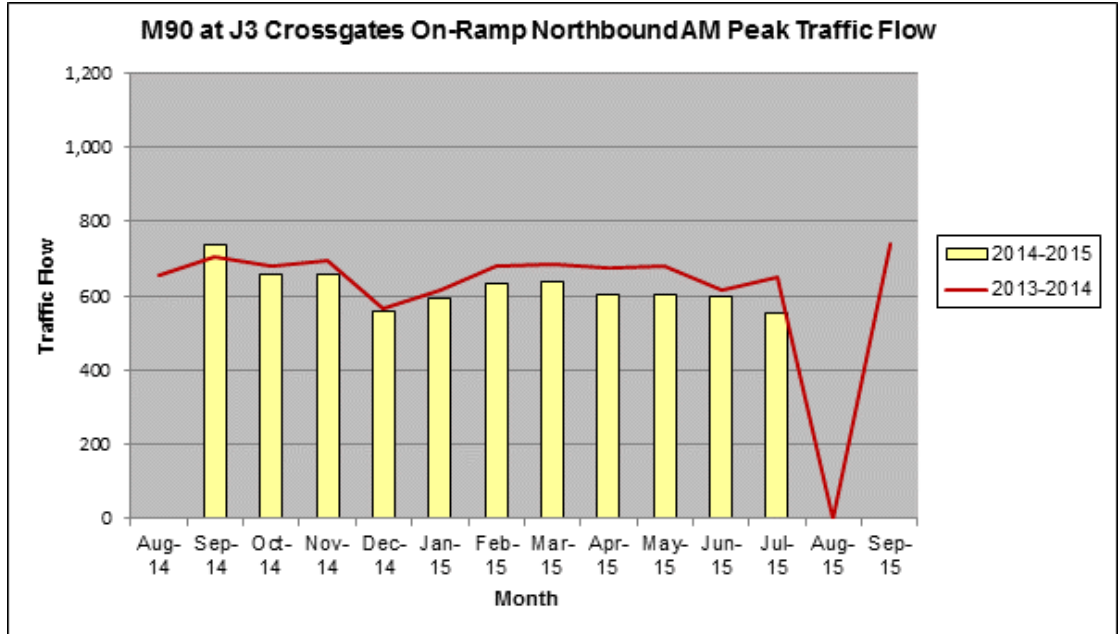


Figure 3-111 Monthly AM Peak Flows on the M90 at J3 Crossgates On-Ramp Northbound

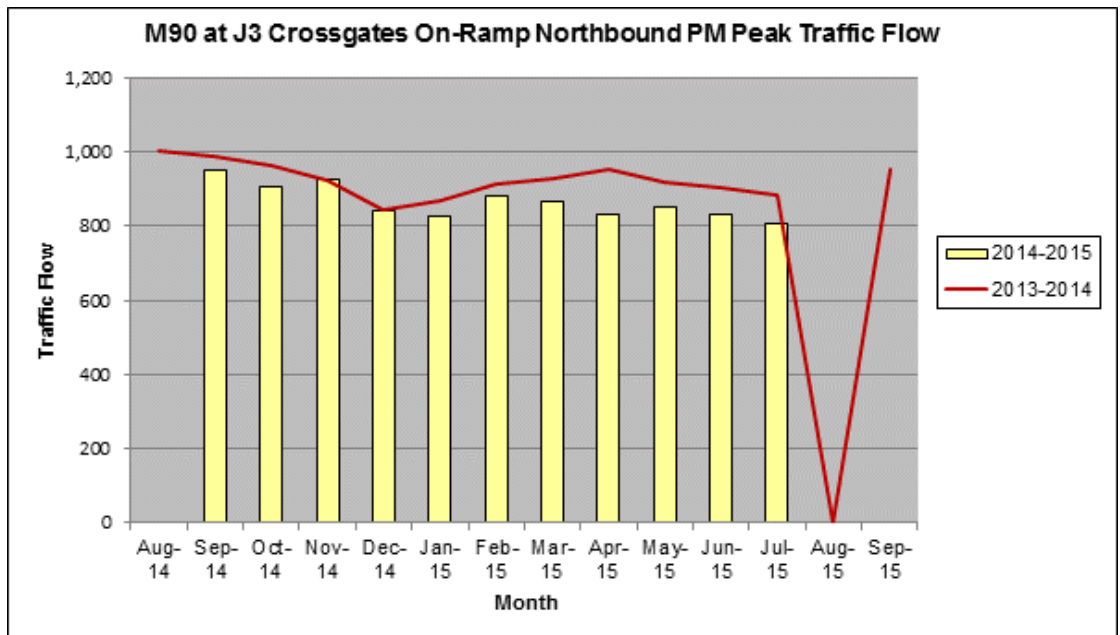


Figure 3-112 Monthly PM Peak Flows on the M90 at J3 Crossgates On-Ramp Northbound



### 3.22.3 Monthly Average HGV Flows

Table 3-87 Site: NTC01190 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
NTC01190	M90 at J3 Crossgates On-Ramp Northbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	118
		Oct-14	155
		Nov-14	234
		Dec-14	218
		Jan-15	189
		Feb-15	No Data*
		Mar-15	No Data*
		Apr-15	No Data*
		May-15	296
		Jun-15	244
		Jul-15	227
		Aug-15	No Data
		Sep-15	No Data
		<b>Annual Average</b>	<b>210</b>

(\*) Mis-classification of vehicles.

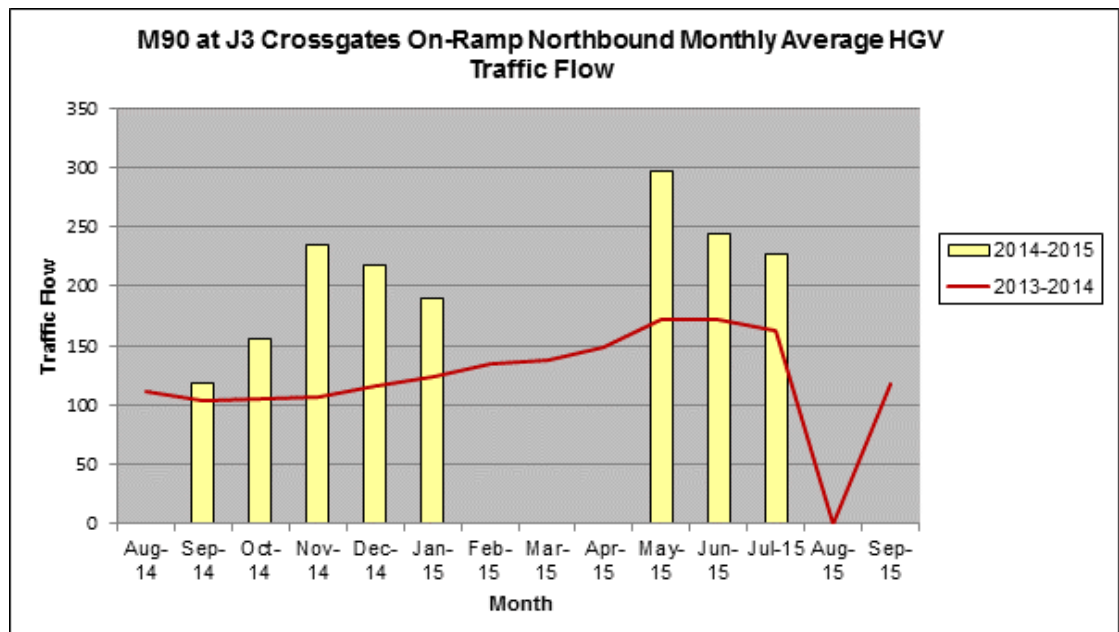


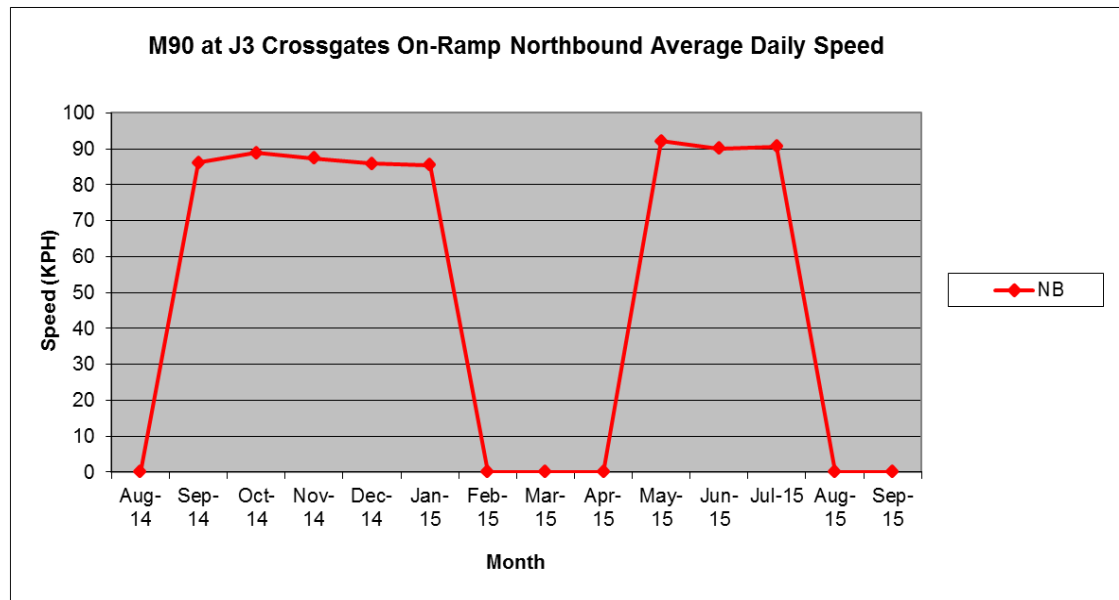
Figure 3-113 Monthly HGV Traffic Flows on the M90 at J3 Crossgates On-Ramp Northbound

### 3.22.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-88 Site: NTC01190 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01190	M90 at J3 Crossgates On-Ramp Northbound	Aug-14	No Data
		Sep-14	86
		Oct-14	89
		Nov-14	87
		Dec-14	86
		Jan-15	85
		Feb-15	No Data*
		Mar-15	No Data*
		Apr-15	No Data*
		May-15	92
		Jun-15	90
		Jul-15	91
		Aug-15	No Data
		Sep-15	No Data

(\*) Mis-classification of vehicles.



**Figure 3-114 Average Monthly Traffic Speeds (KPH) on the M90 at J3 Crossgates On-Ramp Northbound**

### 3.23 Traffic Counter NTC01191 - M90 at J3 Crossgates Southbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison 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.
- Traffic flows follow a similar pattern to the previous monitoring period.
- Mis-classification of vehicles has been observed from April 2015 to June 2015.

#### 3.23.1 Monthly Average Traffic Flows

**Table 3-89 Site: NTC01191 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01191	M90 at J3 Crossgates Southbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	12,661
		Oct-14	12,335
		Nov-14	11,384
		Dec-14	10,439
		Jan-15	9,685
		Feb-15	11,319
		Mar-15	11,208
		Apr-15	12,004
		May-15	12,206
		Jun-15	12,711
		Jul-15	12,973
		Aug-15	13,357
		Sep-15	12,930
	<b>Annual Average</b>	<b>11,720</b>	

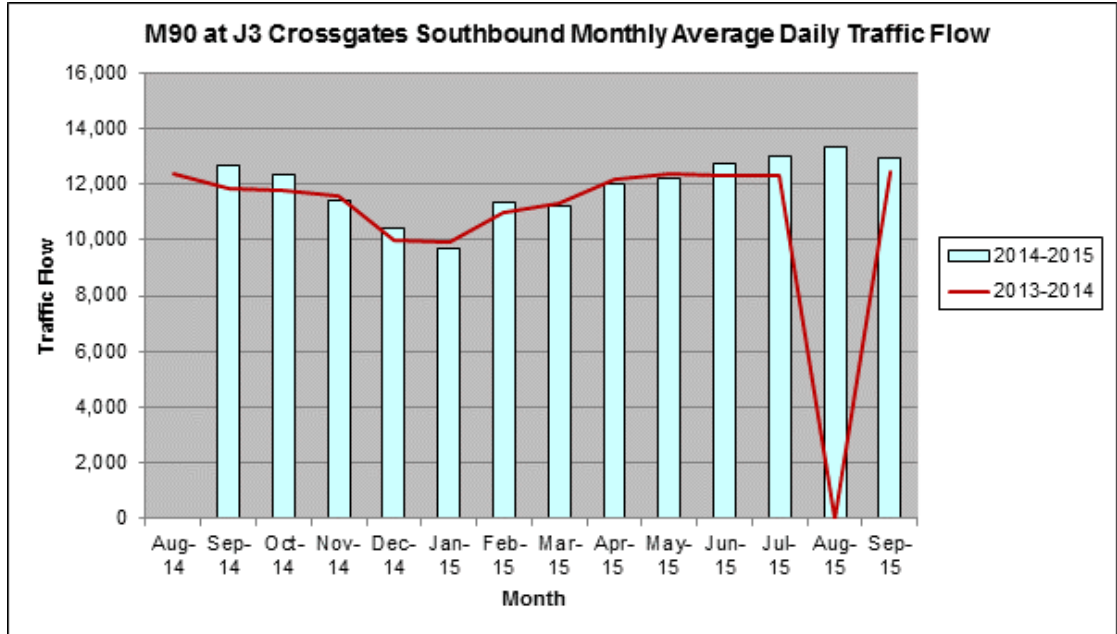


Figure 3-115 Monthly AADTs on the M90 at J3 Crossgates Southbound

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

Table 3-90 Site: NTC01191 Monthly Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01191	M90 at J3 Crossgates Southbound	Aug-11	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	2,186	2,991
		Oct-14	2,072	2,808
		Nov-14	2,034	2,542
		Dec-14	1,638	2,189
		Jan-15	1,625	2,197
		Feb-15	1,862	2,605
		Mar-15	1,985	2,507
		Apr-15	1,946	2,754
		May-15	1,970	2,711
		Jun-15	2,239	2,739
		Jul-15	2,040	2,775
		Aug-15	2,052	2,938
Sep-15	2,152	2,888		
	<b>Annual Average</b>	<b>1,963</b>	<b>2,620</b>	

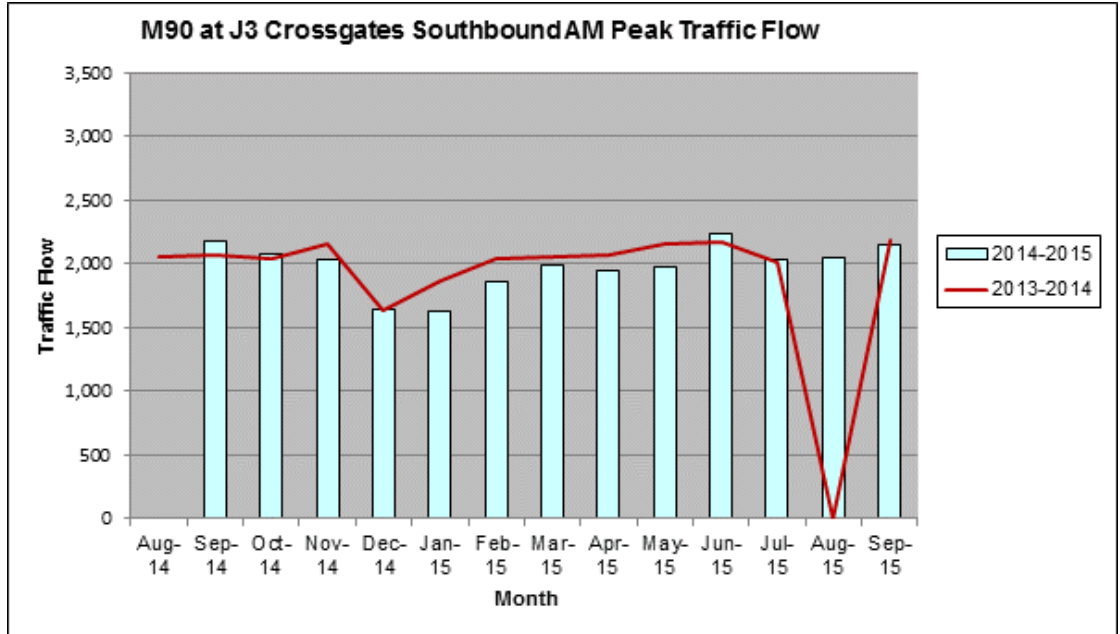


Figure 3-116 Monthly AM Peak Flows on the M90 at J3 Crossgates Southbound

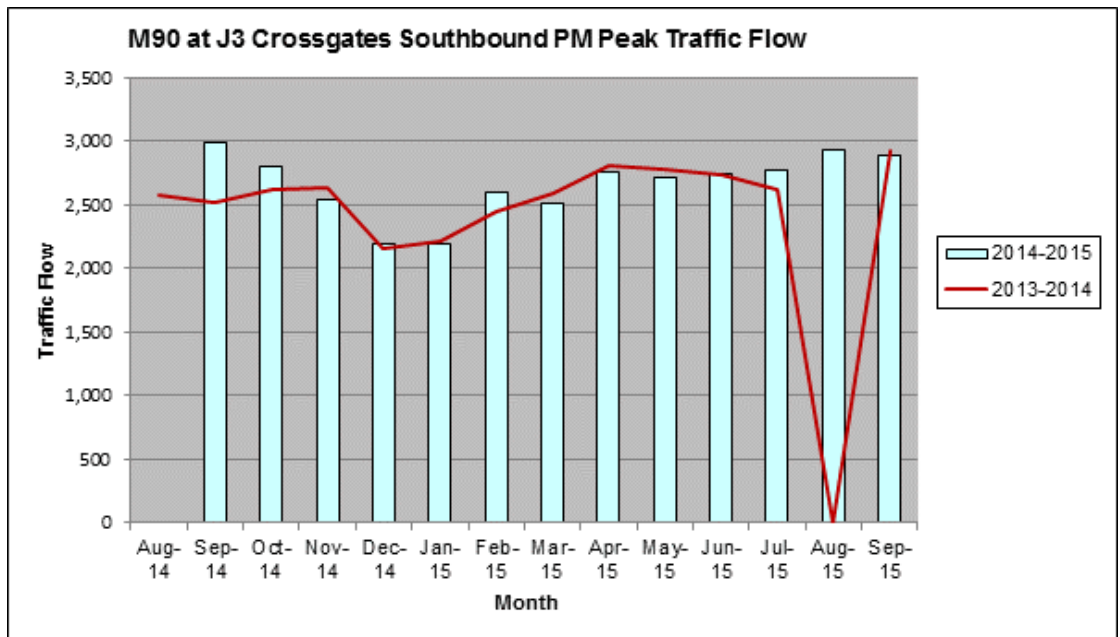


Figure 3-117 Monthly PM Peak Flows on the M90 at J3 Crossgates Southbound

### 3.23.3 Monthly Average HGV Flows

Table 3-91 Site: NTC01191 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTC01191	M90 at J3 Crossgates Southbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	No Data*
		Oct-14	No Data*
		Nov-14	No Data*
		Dec-14	673
		Jan-15	582
		Feb-15	893
		Mar-15	No Data*
		Apr-15	No Data*
		May-15	857
		Jun-15	958
		Jul-15	953
		Aug-15	936
		Sep-15	981
		<b>Annual Average</b>	<b>819</b>

(\*) Mis-classification of vehicles.

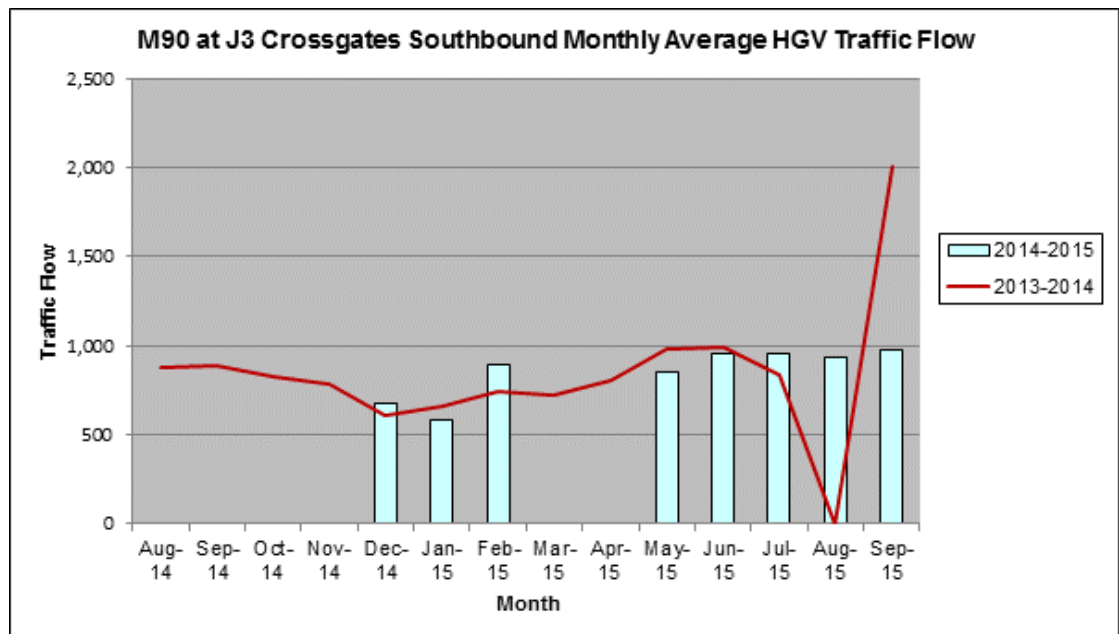


Figure 3-118 Monthly HGV Traffic Flows on the M90 at J3 Crossgates Southbound

### 3.23.4 Monthly Average All Vehicles Traffic Speeds

Table 3-92 Site: NTC01191 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015

Counter	Location	Date	SB
NTC01191	M90 at J3 Crossgates Southbound	Aug-14	No Data
		Sep-14	No Data*
		Oct-14	No Data*
		Nov-14	No Data*
		Dec-14	104
		Jan-15	103
		Feb-15	107
		Mar-15	No Data*
		Apr-15	No Data*
		May-15	108
		Jun-15	109
		Jul-15	108
		Aug-15	108
		Sep-15	108

(\*) Mis-classification of vehicles.

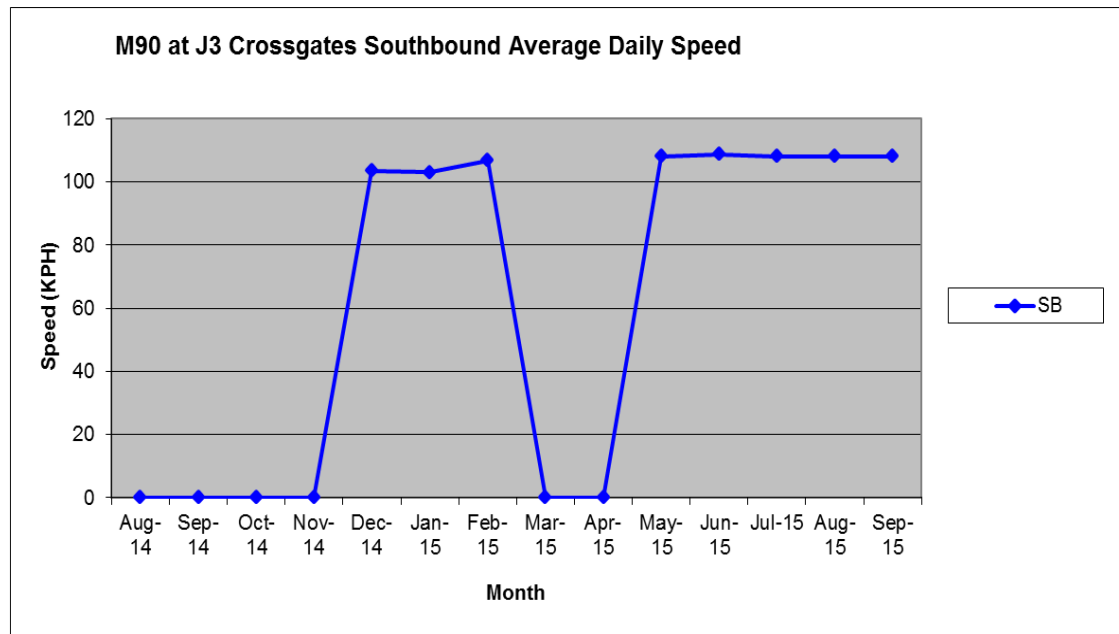


Figure 3-119 Average Monthly Traffic Speeds (KPH) on the M90 at J3 Crossgates Southbound

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

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows are considerably lower in September 2014 and October 2014 compared to the same months in 2013.
- Mis-classification of vehicles classifications has been observed from March 2015 to April 2015 and from November 2014 to January 2015.

#### 3.24.1 Monthly Average Traffic Flows

**Table 3-93 Site: NTC01192 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01192	M90 at J3 Crossgates Off-Ramp to A92 Southbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	4,181
		Oct-14	4,023
		Nov-14	4,133
		Dec-14	3,935
		Jan-15	3,738
		Feb-15	4,040
		Mar-15	3,795
		Apr-15	3,998
		May-15	4,078
		Jun-15	4,133
		Jul-15	4,065
		Aug-15	4,231
		Sep-15	4,154
	<b>Annual Average</b>	<b>4,011</b>	



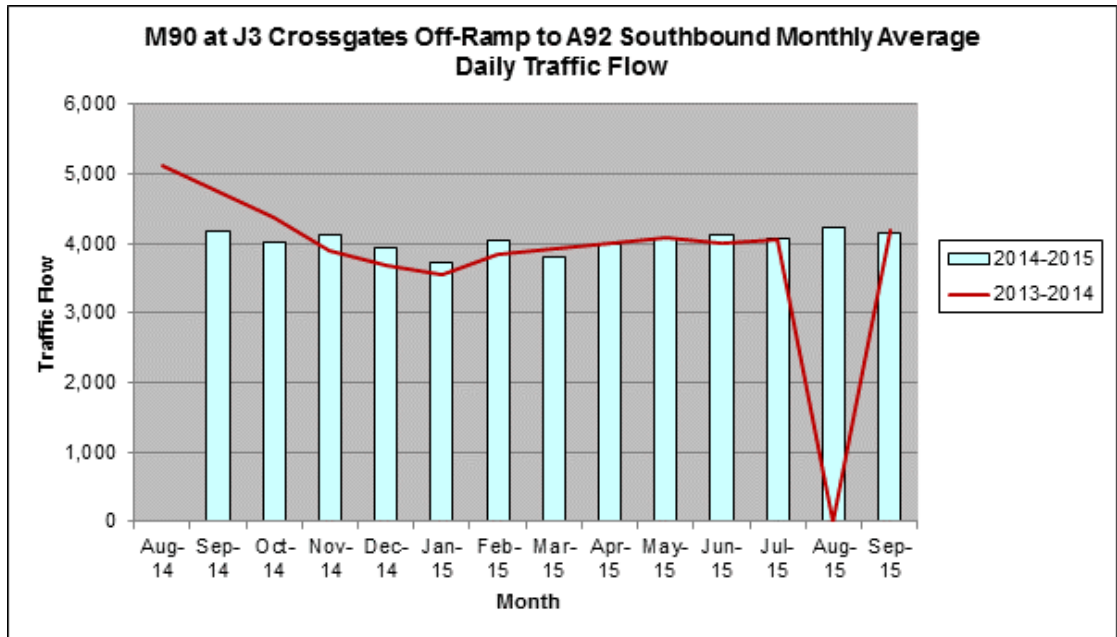


Figure 3-120 Monthly AADTs on the M90 at J3 Crossgates Off-Ramp to A92 Southbound

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

Table 3-94 Site: NTC01192 Monthly Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01192	M90 at J3 Crossgates Off-Ramp to A92 Southbound	Aug-11	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	779	1,100
		Oct-14	704	1,038
		Nov-14	823	1,030
		Dec-14	709	926
		Jan-15	721	939
		Feb-15	788	1,025
		Mar-15	750	938
		Apr-15	677	1,019
		May-15	730	1,042
		Jun-15	755	1,054
		Jul-15	656	1,054
		Aug-15	658	1,098
Sep-15	778	1,089		
	<b>Annual Average</b>	<b>736</b>	<b>1,015</b>	

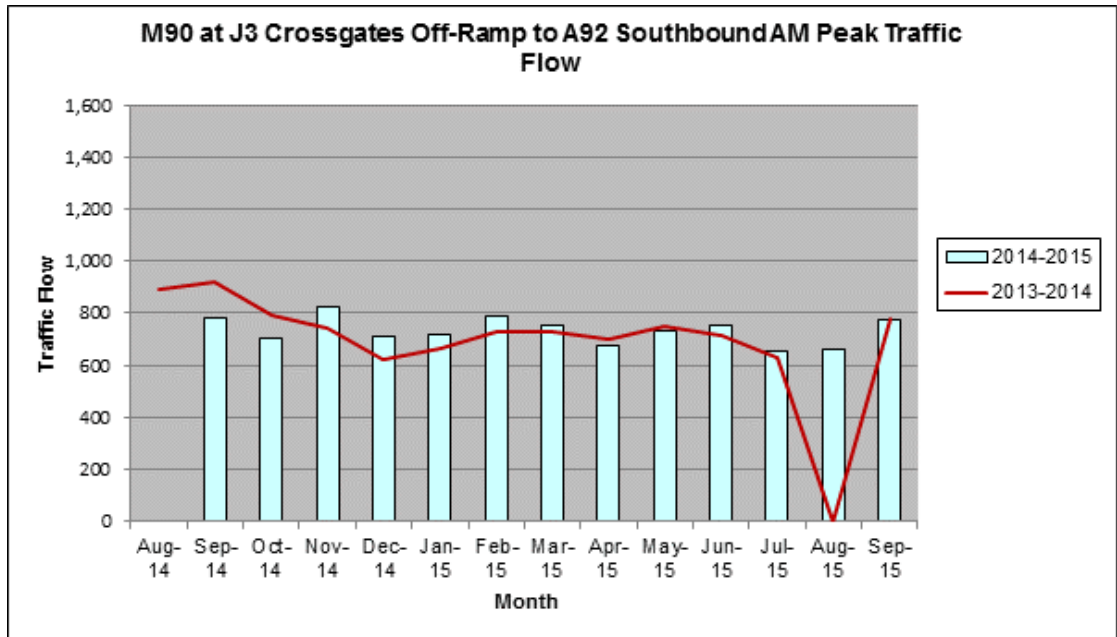


Figure 3-121 Monthly AM Peak Flows on the M90 at J3 Crossgates Off-Ramp to A92 Southbound

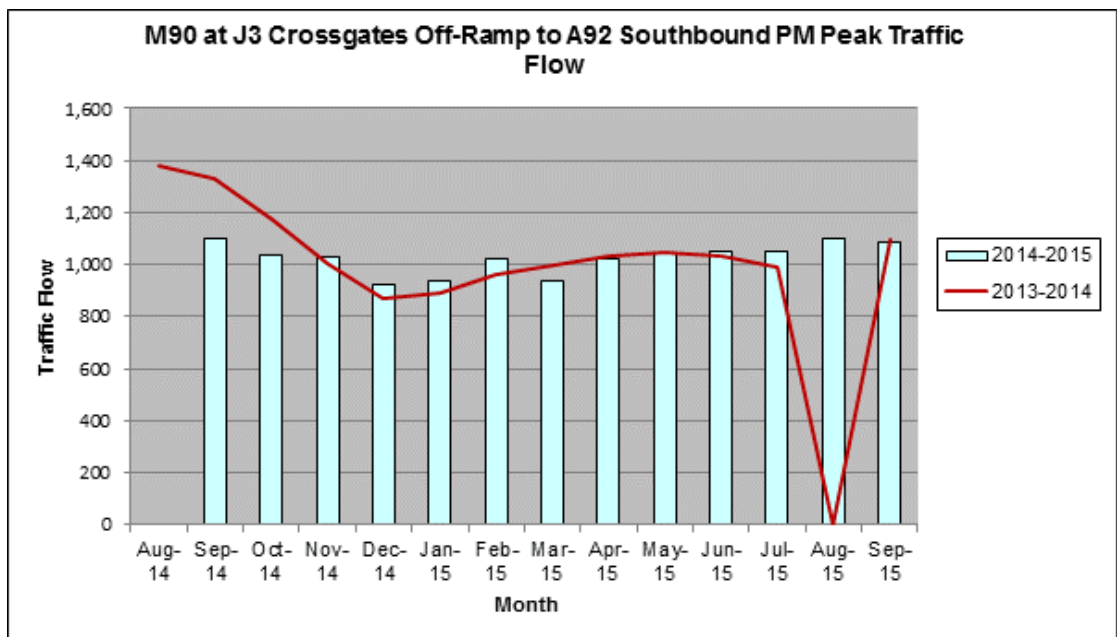


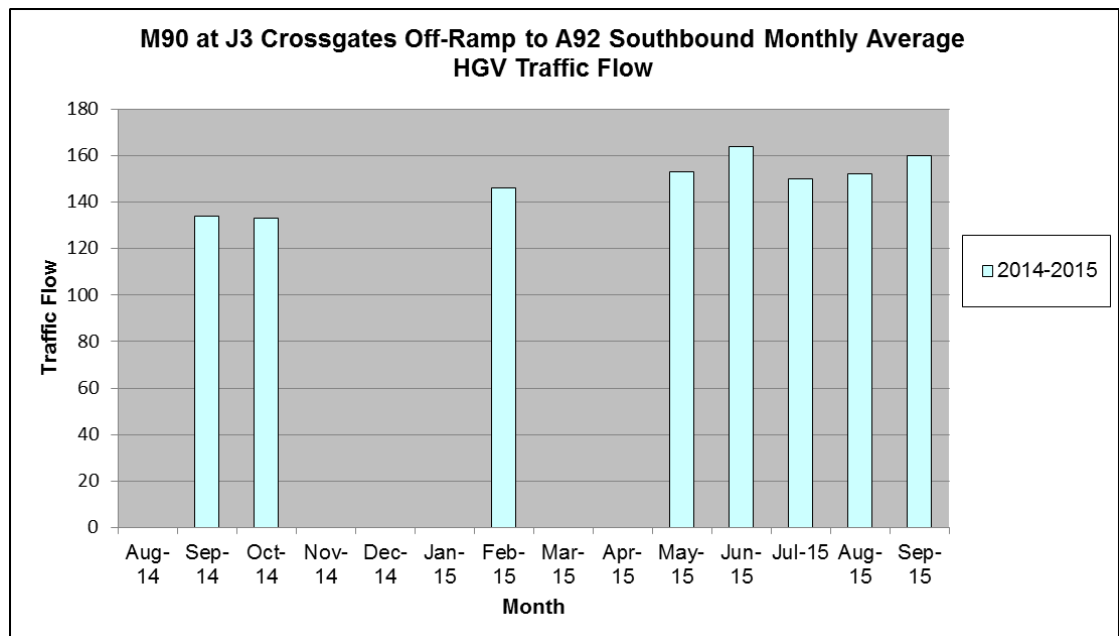
Figure 3-122 Monthly PM Peak Flows on the M90 at J3 Crossgates Off-Ramp to A92 Southbound

### 3.24.3 Monthly Average HGV Flows

**Table 3-95 Site: NTC01192 Annual HGV Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01192	M90 at J3 Crossgates Southbound Off-Ramp to A92	Aug-11	No Data
		Aug-14	No Data
		Sep-14	134
		Oct-14	133
		Nov-14	No Data*
		Dec-14	No Data*
		Jan-15	No Data*
		Feb-15	146
		Mar-15	No Data*
		Apr-15	No Data*
		May-15	153
		Jun-15	164
		Jul-15	150
		Aug-15	152
		Sep-15	160

(\*) Mis-classification of vehicles.



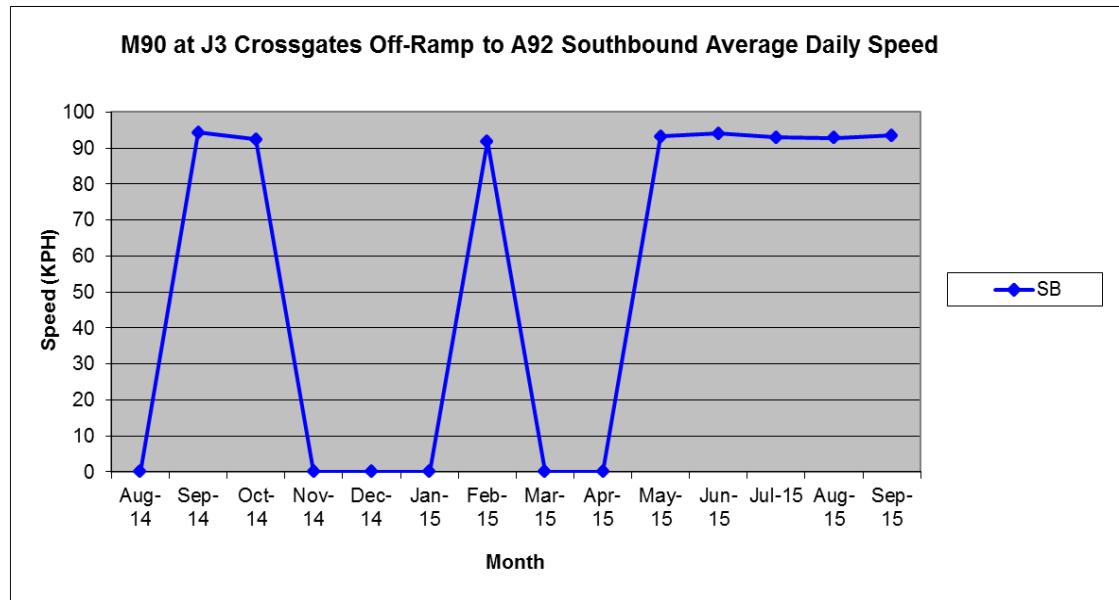
**Figure 3-123 Monthly HGV Traffic Flows on the M90 at J3 Crossgates Southbound Off-Ramp to A92**

### 3.24.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-96 Site: NTC01192 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01192	M90 at J3 Crossgates Southbound Off-Ramp to A92	Aug-14	No Data
		Sep-14	94
		Oct-14	92
		Nov-14	No Data*
		Dec-14	No Data*
		Jan-15	No Data*
		Feb-15	92
		Mar-15	No Data*
		Apr-15	No Data*
		May-15	93
		Jun-15	94
		Jul-15	93
		Aug-15	93
		Sep-15	93

(\*) Mis-classification of vehicles.



**Figure 3-124 Average Monthly Traffic Speeds (KPH) on the M90 at J3 Crossgates Off-Ramp to A92 Southbound**

### 3.25 Traffic Counter NTC01193 - M90 North of J3 Crossgates Northbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in October 2014 and February 2015 and higher flows in the summer months.
- HGV traffic flows were generally higher than those recorded in the previous monitoring period

#### 3.25.1 Monthly Average Traffic Flows

**Table 3-97 Site: NTC01193 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01193	M90 North of J3 Crossgates Northbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	17,372
		Oct-14	15,746
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	15,439
		Mar-15	16,222
		Apr-15	16,490
		May-15	16,663
		Jun-15	17,179
		Jul-15	17,449
		Aug-15	17,830
		Sep-15	17,284
	<b>Annual Average</b>	<b>16,570</b>	

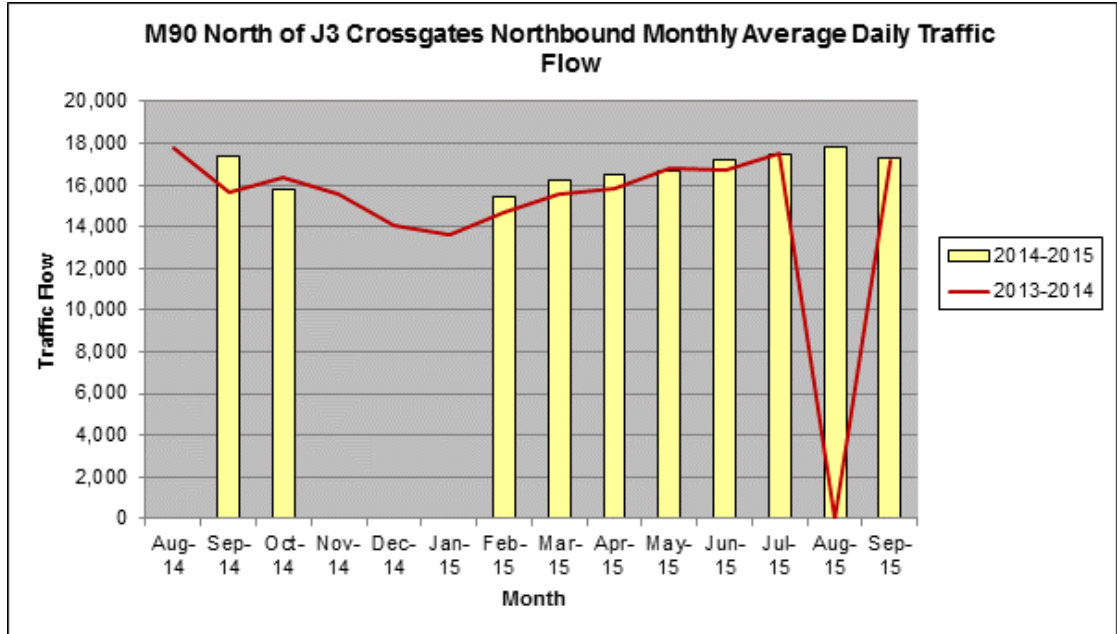


Figure 3-125 Monthly AADTs on the M90 North of J3 Crossgates Northbound

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

Table 3-98 Site: NTC01193 Monthly Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01193	M90 North of J3 Crossgates Northbound	Aug-11	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	3,180	3,897
		Oct-14	2,764	3,624
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	2,739	3,667
		Mar-15	2,997	3,784
		Apr-15	2,838	3,743
		May-15	2,859	3,852
		Jun-15	3,007	3,955
		Jul-15	2,952	3,842
		Aug-15	2,912	3,939
Sep-15	3,099	3,924		
	<b>Annual Average</b>	<b>2,917</b>	<b>3,796</b>	

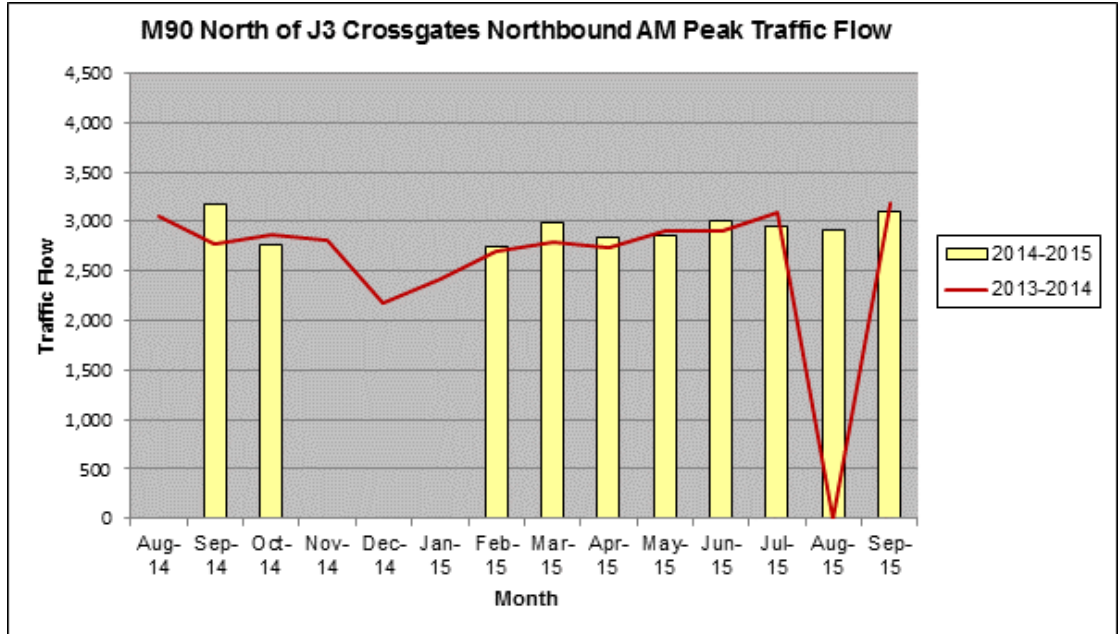


Figure 3-126 Monthly AM Peak Flows on the M90 North of J3 Crossgates Northbound

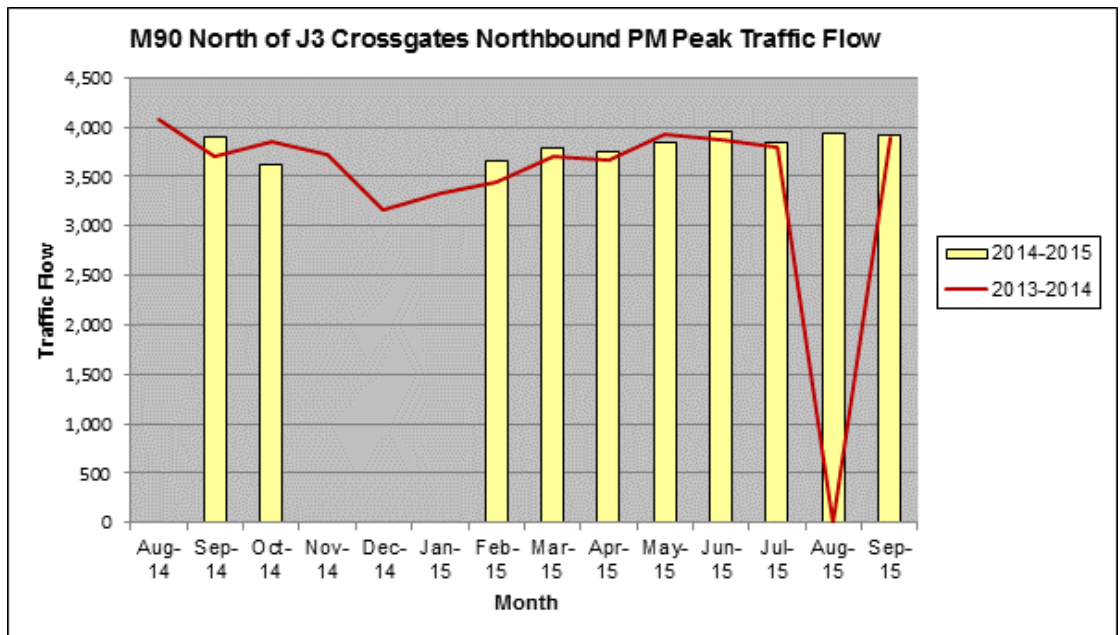


Figure 3-127 Monthly PM Peak Flows on the M90 North of J3 Crossgates Northbound

### 3.25.3 Monthly Average HGV Flows

Table 3-99 Site: NTC01193 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
NTC01193	M90 North of J3 Crossgates Northbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	1,037
		Oct-14	1,071
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	1,183
		Mar-15	1,229
		Apr-15	1,231
		May-15	1,258
		Jun-15	1,353
		Jul-15	1,336
		Aug-15	1,265
		Sep-15	1,413

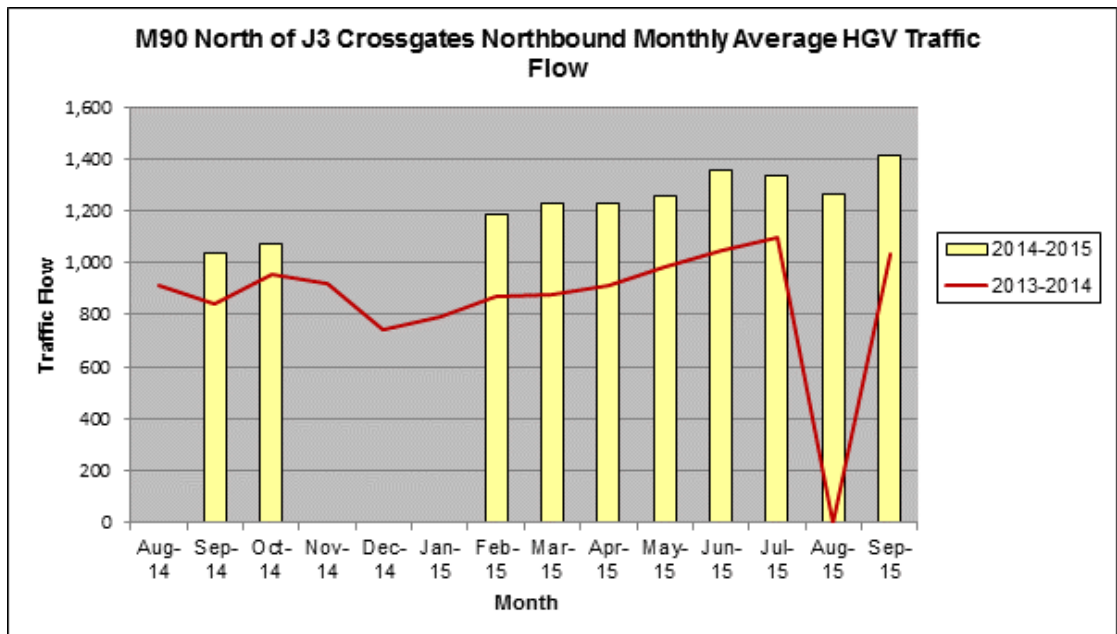


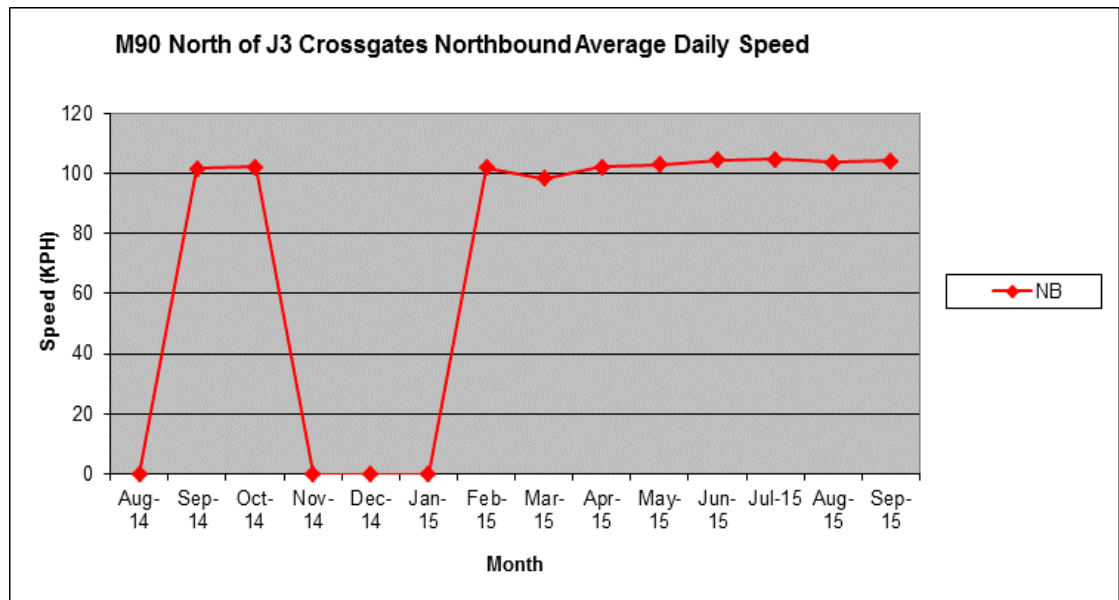
Figure 3-128 Monthly HGV Traffic Flows on the M90 North of J3 Crossgates Northbound



### 3.25.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-100 Site: NTC01193 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01193	M90 North of J3 Crossgates Northbound	Aug-14	No Data
		Sep-14	102
		Oct-14	102
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	102
		Mar-15	98
		Apr-15	102
		May-15	103
		Jun-15	104
		Jul-15	105
		Aug-15	104
		Sep-15	104



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

### 3.26 Traffic Counter NTC01194 - M90 North of J3 Crossgates Southbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in October 2014 and February 2015 and higher flows in the summer months.
- HGV traffic flows were generally higher than those recorded in the previous monitoring period

#### 3.26.1 Monthly Average Traffic Flows

**Table 3-101 Site: NTC01194 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01194	M90 North of J3 Crossgates Southbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	16,261
		Oct-14	16,307
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	15,628
		Mar-15	15,346
		Apr-15	15,904
		May-15	16,108
		Jun-15	16,470
		Jul-15	16,610
		Aug-15	17,017
		Sep-15	16,731
	<b>Annual Average</b>	<b>16,079</b>	

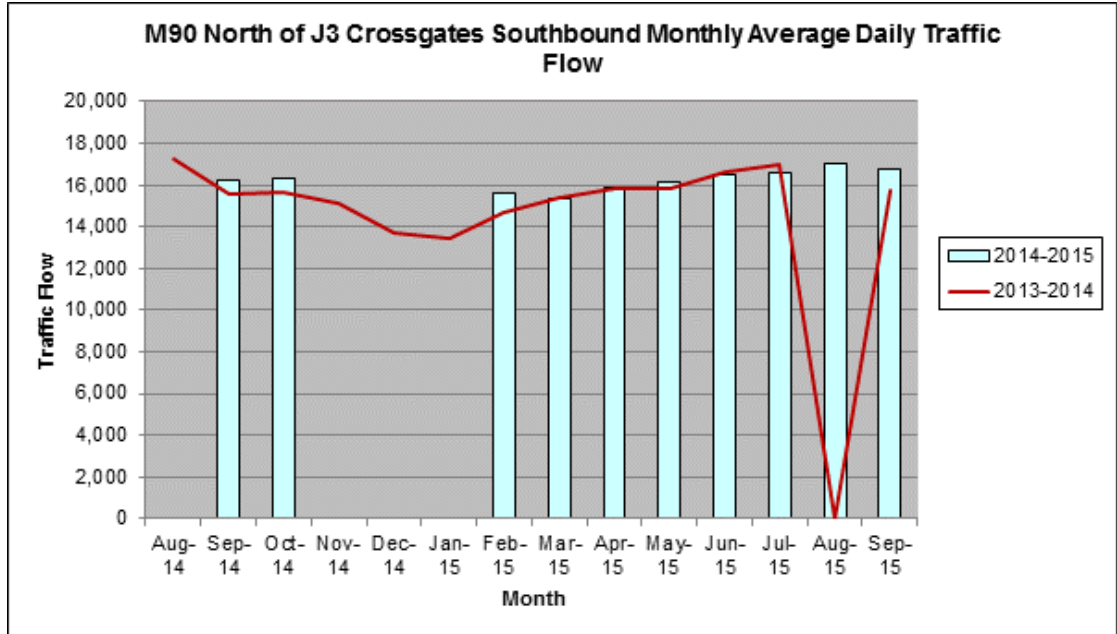


Figure 3-130 Monthly AADTs on the M90 North of J3 Crossgates Southbound

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

Table 3-102 Site: NTC01194 Monthly Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01194	M90 North of J3 Crossgates Southbound	Aug-11	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	2,879	3,846
		Oct-14	2,760	3,836
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	2,701	3,634
		Mar-15	2,822	3,530
		Apr-15	2,554	3,696
		May-15	2,665	3,688
		Jun-15	2,898	3,659
		Jul-15	2,612	3,695
		Aug-15	2,614	3,846
Sep-15	2,850	3,850		
	<b>Annual Average</b>	<b>2,736</b>	<b>3,698</b>	

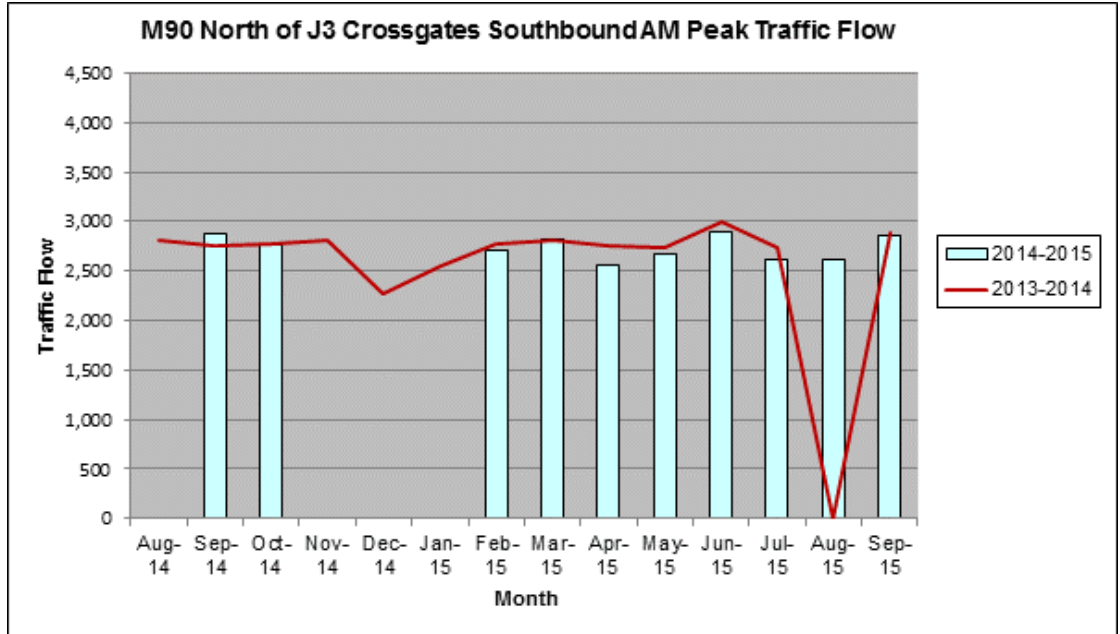


Figure 3-131 Monthly AM Peak Flows on the M90 North of J3 Crossgates Southbound

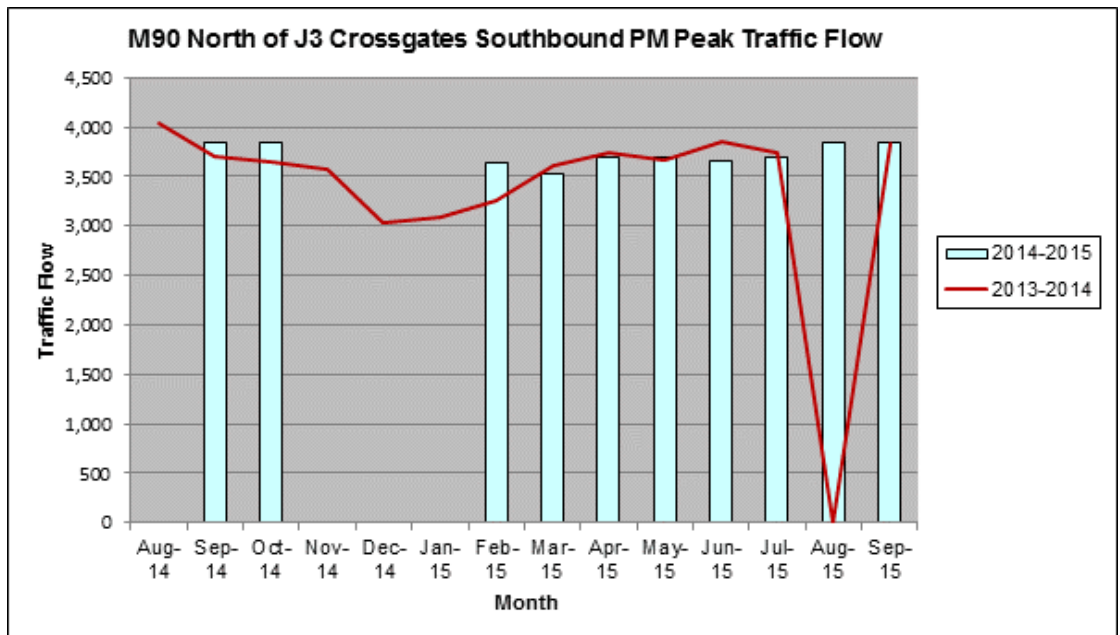


Figure 3-132 Monthly PM Peak Flows on the M90 North of J3 Crossgates Southbound

### 3.26.3 Monthly Average HGV Flows

Table 3-103 Site: NTC01194 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTC01194	M90 North of J3 Crossgates Southbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	909
		Oct-14	1,015
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	985
		Mar-15	1,027
		Apr-15	1,009
		May-15	1,009
		Jun-15	1,096
		Jul-15	1,075
		Aug-15	1,062
		Sep-15	1,116

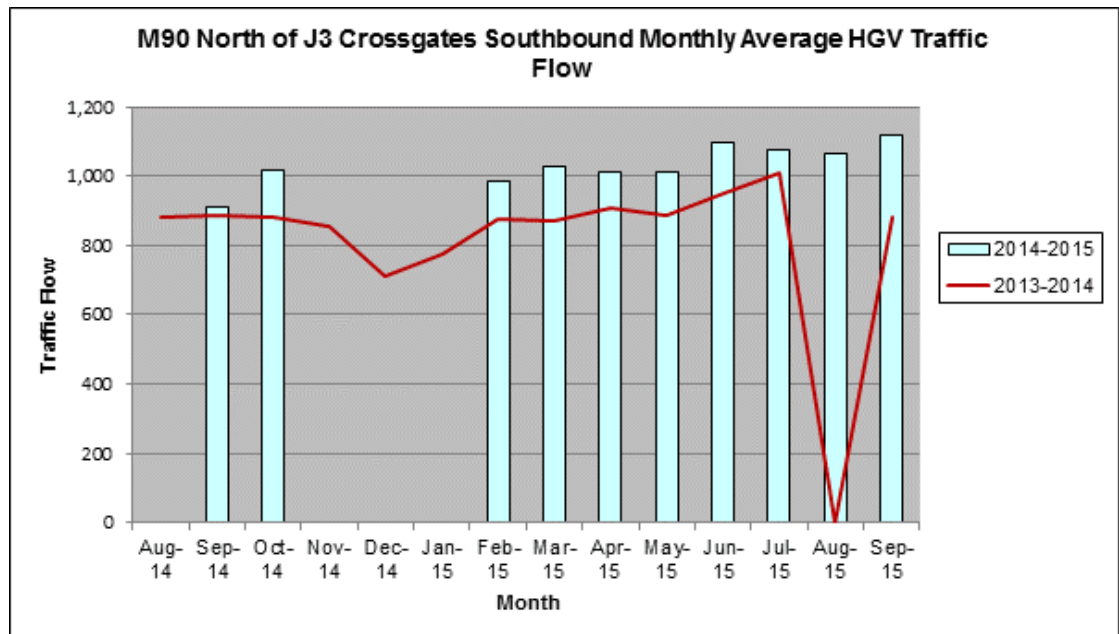
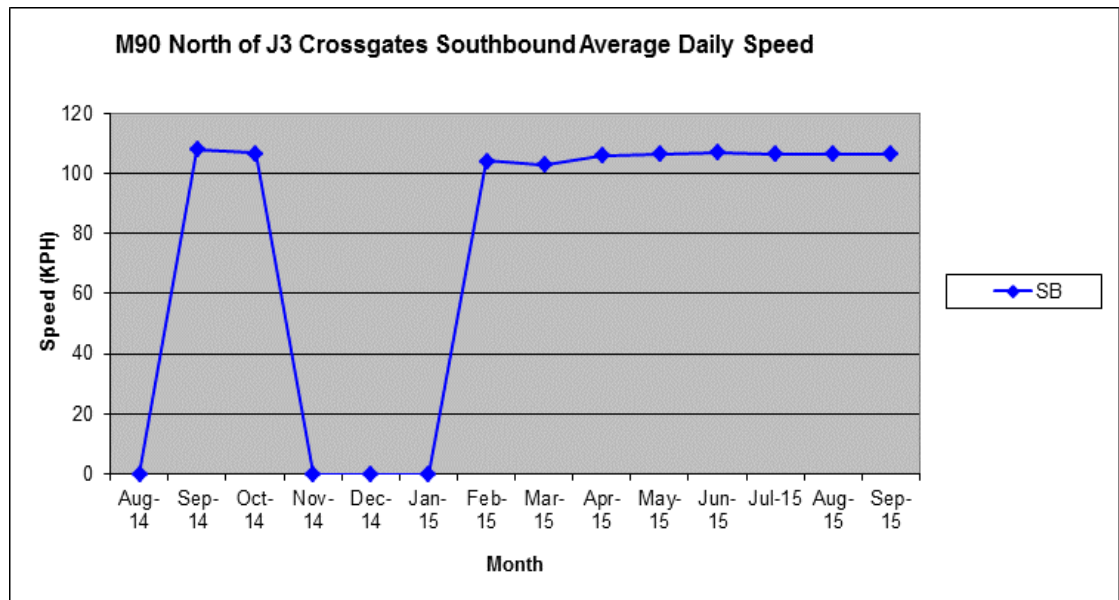


Figure 3-133 Monthly HGV Traffic Flows on the M90 North of J3 Crossgates Southbound

### 3.26.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-104 Site: NTC01194 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01194	M90 North of J3 Crossgates Southbound	Aug-14	No Data
		Sep-14	108
		Oct-14	107
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	104
		Mar-15	103
		Apr-15	106
		May-15	106
		Jun-15	107
		Jul-15	106
		Aug-15	106
		Sep-15	107



**Figure 3-134 Average Monthly Traffic Speeds (KPH) on the M90 North of J3 Crossgates Southbound**

### 3.27 Traffic Counter NTC01212 - A823M West of J2 Masterton Eastbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows remain relatively consistent throughout the year, with a slight reduction occurring in January.

#### 3.27.1 Monthly Average Traffic Flows

*Table 3-105 Site: NTC01212 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	EB
NTC01212	A823M West of J2 Masterton Eastbound	Aug-11	No Data
		Aug-14	8,989
		Sep-14	9,196
		Oct-14	8,927
		Nov-14	9,055
		Dec-14	8,355
		Jan-15	8,367
		Feb-15	9,071
		Mar-15	9,297
		Apr-15	9,117
		May-15	9,085
		Jun-15	9,293
		Jul-15	8,936
		Aug-15	9,230
		Sep-15	9,468
	<b>Annual Average</b>	<b>8,974</b>	

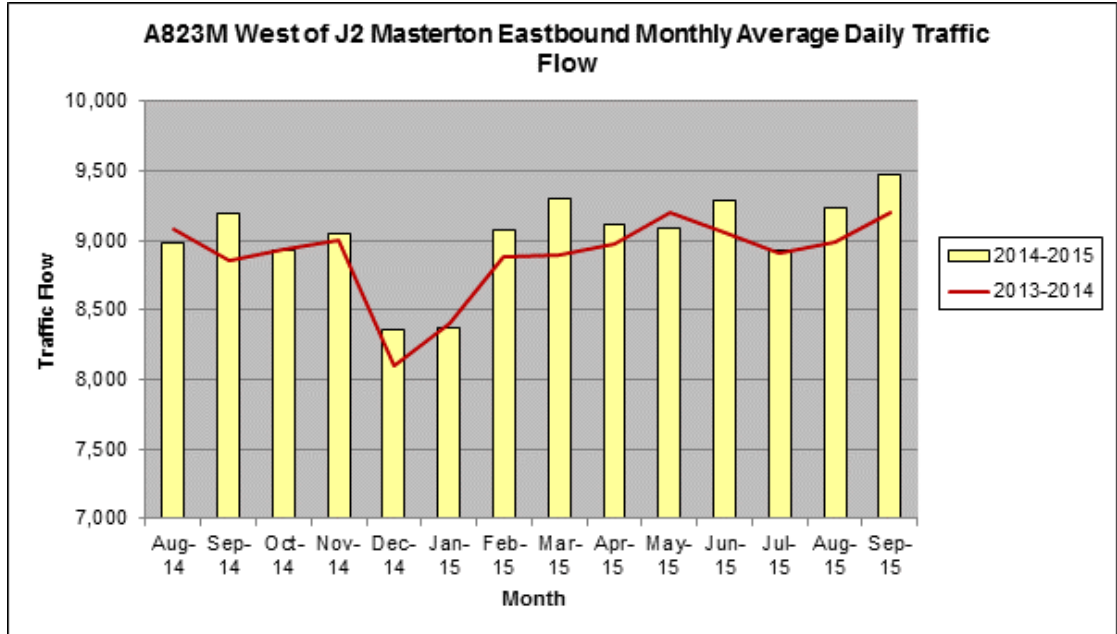


Figure 3-135 Monthly AADTs on the A823M West of J2 Masterton Eastbound

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

Table 3-106 Site: NTC01212 Monthly Eastbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01212	A823M West of J2 Masterton Eastbound	Aug-11	No Data	No Data
		Aug-14	1,697	2,176
		Sep-14	1,835	2,291
		Oct-14	1,719	2,226
		Nov-14	1,722	2,221
		Dec-14	1,503	1,942
		Jan-15	1,576	2,125
		Feb-15	1,721	2,297
		Mar-15	1,780	2,363
		Apr-15	1,705	2,254
		May-15	1,703	2,216
		Jun-15	1,764	2,286
		Jul-15	1,674	2,179
		Aug-15	1,692	2,253
Sep-15	1,807	2,404		
	<b>Annual Average</b>	<b>1,700</b>	<b>2,215</b>	



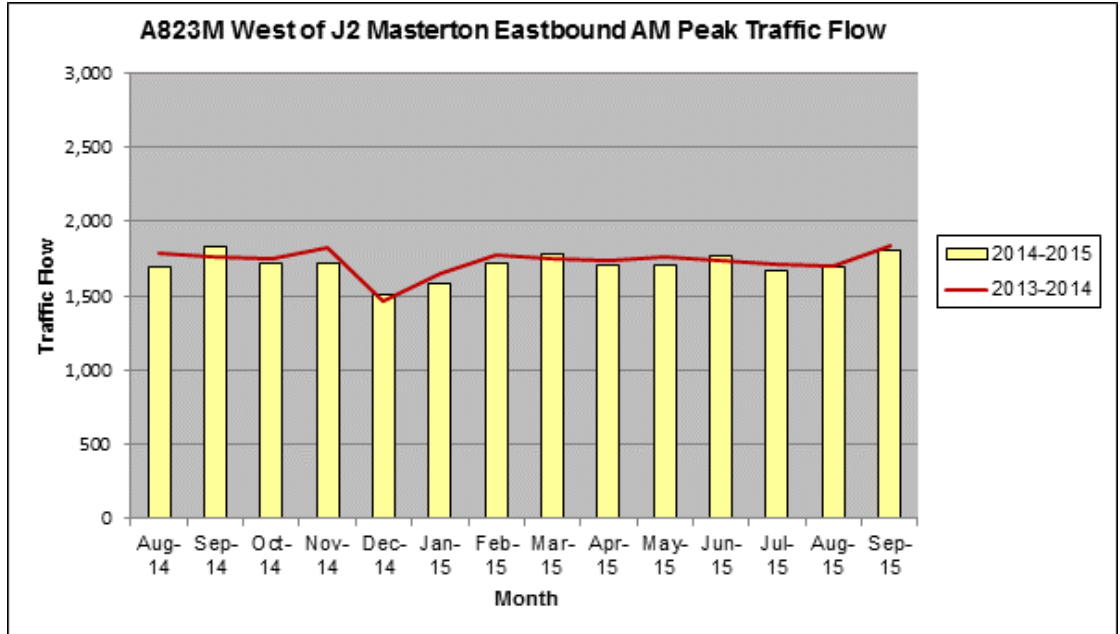


Figure 3-136 Monthly AM Peak Flows on the A823M West of J2 Masterton Eastbound

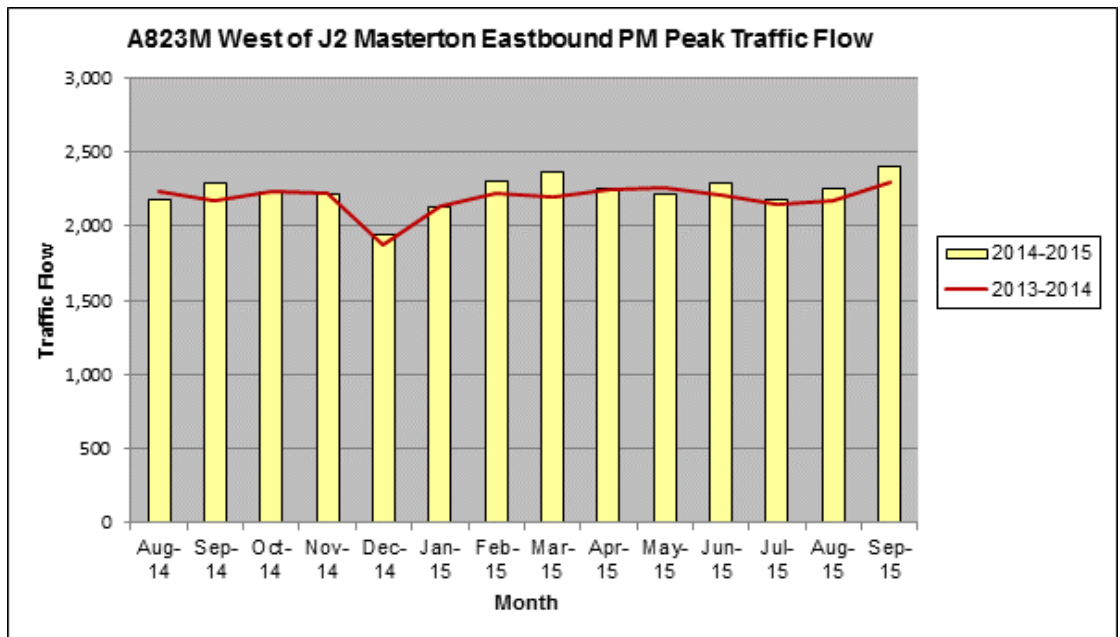
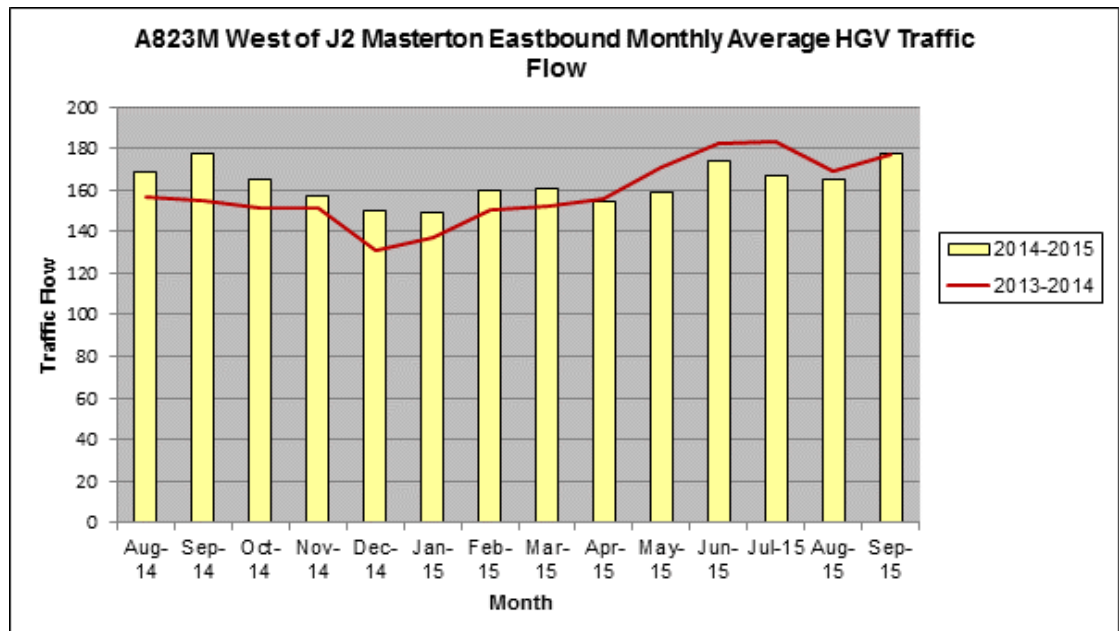


Figure 3-137 Monthly PM Peak Flows on the A823M West of J2 Masterton Eastbound

### 3.27.3 Monthly Average HGV Flows

**Table 3-107 Site: NTC01212 Annual HGV Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01212	A823M West of J2 Masterton Eastbound	Aug-11	No Data
		Aug-14	169
		Sep-14	177
		Oct-14	165
		Nov-14	157
		Dec-14	150
		Jan-15	149
		Feb-15	160
		Mar-15	161
		Apr-15	154
		May-15	159
		Jun-15	174
		Jul-15	167
		Aug-15	165
		Sep-15	177

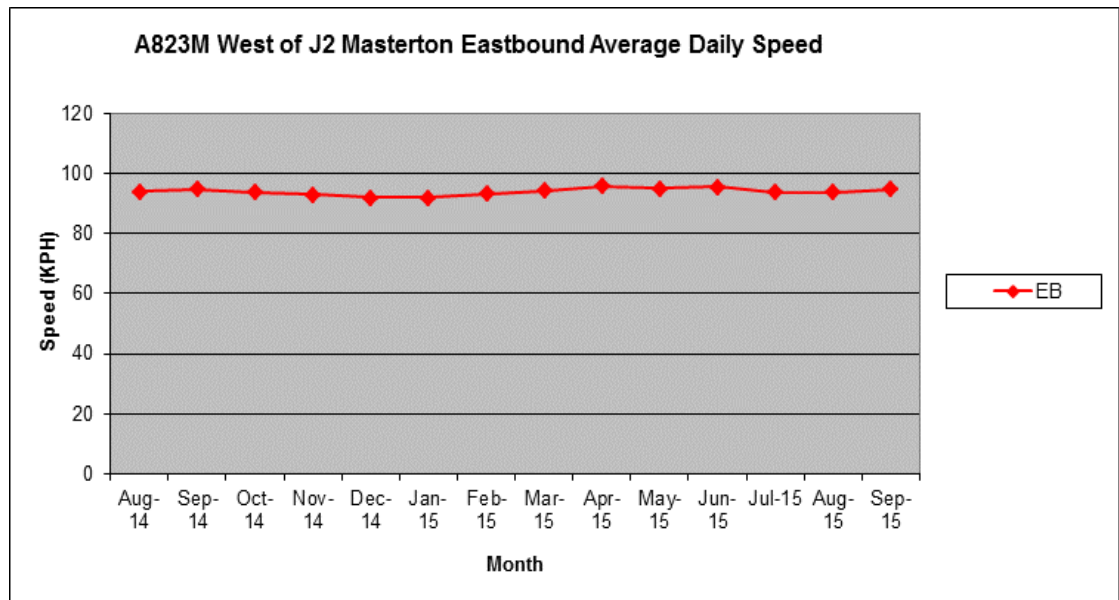


**Figure 3-138 Monthly HGV Traffic Flows on the A823M West of J2 Masterton Eastbound**

### 3.27.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-108 Site: NTC01212 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01212	A823M West of J2 Masterton Eastbound	Aug-14	94
		Sep-14	95
		Oct-14	94
		Nov-14	93
		Dec-14	92
		Jan-15	92
		Feb-15	93
		Mar-15	94
		Apr-15	96
		May-15	95
		Jun-15	95
		Jul-15	94
		Aug-15	94
		Sep-15	95



**Figure 3-139 Average Monthly Traffic Speeds (KPH) on the A823M West of J2 Masterton Eastbound**

### 3.28 Traffic Counter NTC01231 - M9 at J1 Newbridge Westbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows show a reduction between April and July 2015. The same trend occurred in the previous monitored period. There is also a decrease in traffic in December 2014 compared to the flow registered in December 2013.
- HGV flows follow a similar pattern to general traffic.

#### 3.28.1 Monthly Average Traffic Flows

*Table 3-109 Site: NTC01231 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	WB
NTC01231	M9 at J1 Newbridge Westbound	Aug-11	No Data
		Aug-14	19,527
		Sep-14	19,503
		Oct-14	19,374
		Nov-14	18,356
		Dec-14	9,916
		Jan-15	16,550
		Feb-15	18,662
		Mar-15	19,160
		Apr-15	10,343
		May-15	8,921
		Jun-15	9,432
		Jul-15	9,197
		Aug-15	18,799
		Sep-15	18,897
	<b>Annual Average</b>	<b>14,912</b>	

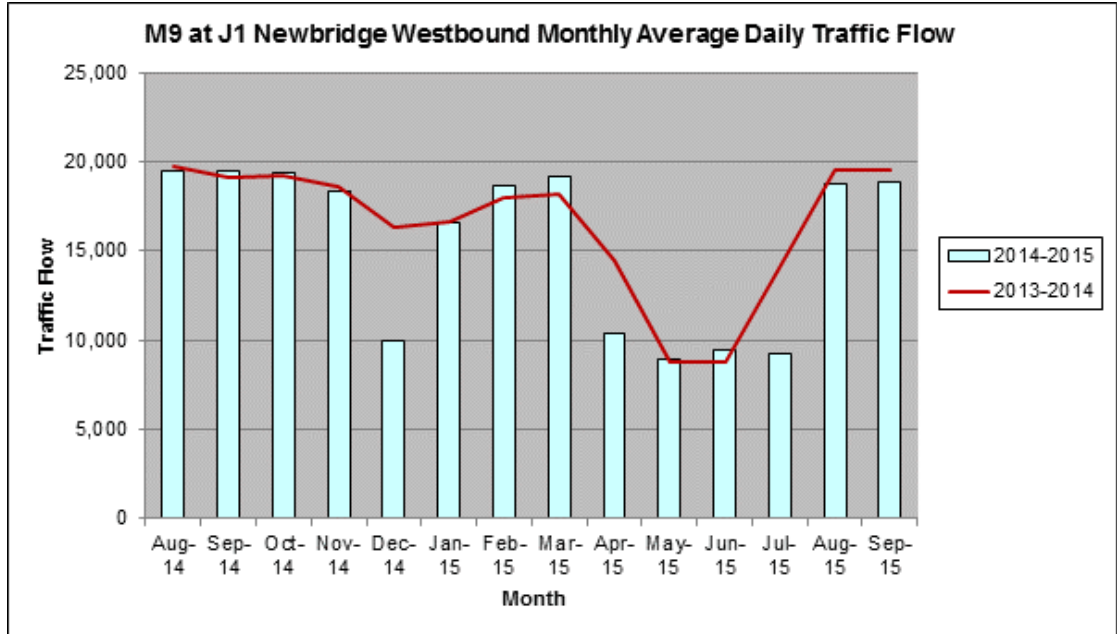


Figure 3-140 Monthly Westbound AADTs on the M9 at J1 Newbridge Westbound

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

Table 3-110 Site: NTC01231 Monthly Westbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01231	M9 at J1 Newbridge Westbound	Aug-11	No Data	No Data
		Aug-14	3,285	4,650
		Sep-14	3,555	4,724
		Oct-14	3,392	4,814
		Nov-14	3,246	4,598
		Dec-14	1,441	2,144
		Jan-15	2,791	4,416
		Feb-15	3,191	4,835
		Mar-15	3,294	4,917
		Apr-15	1,771	2,175
		May-15	1,528	1,931
		Jun-15	1,669	1,982
		Jul-15	1,541	1,972
		Aug-15	3,073	4,370
		Sep-15	3,207	4,623
	<b>Annual Average</b>	<b>2,559</b>	<b>3,597</b>	

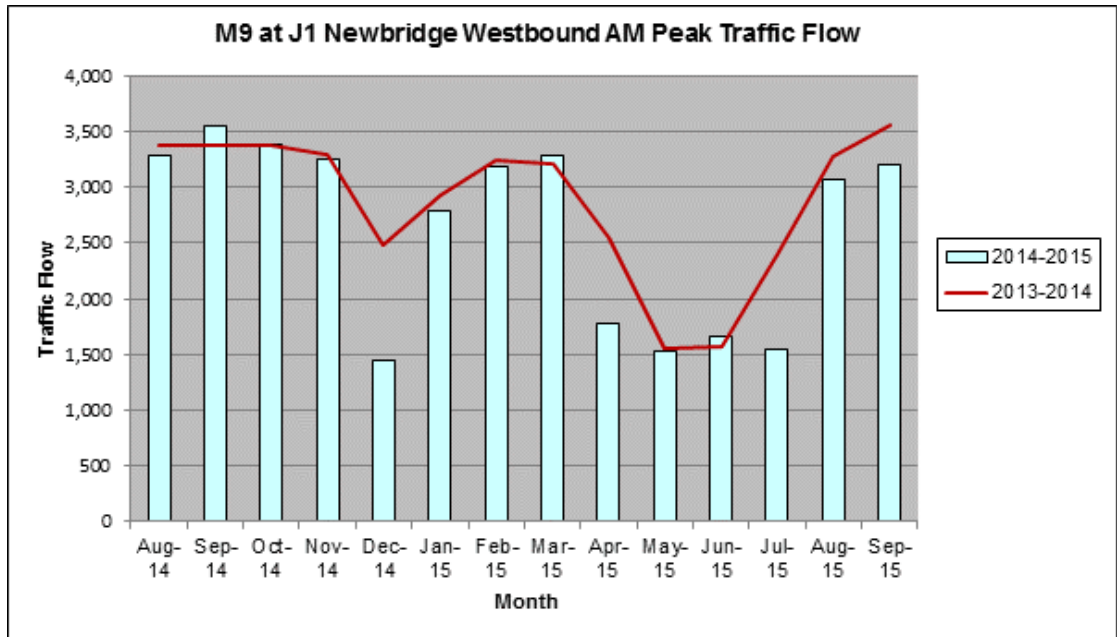


Figure 3-141 Monthly Westbound AM Peak Flows on the M9 at J1 Newbridge Westbound

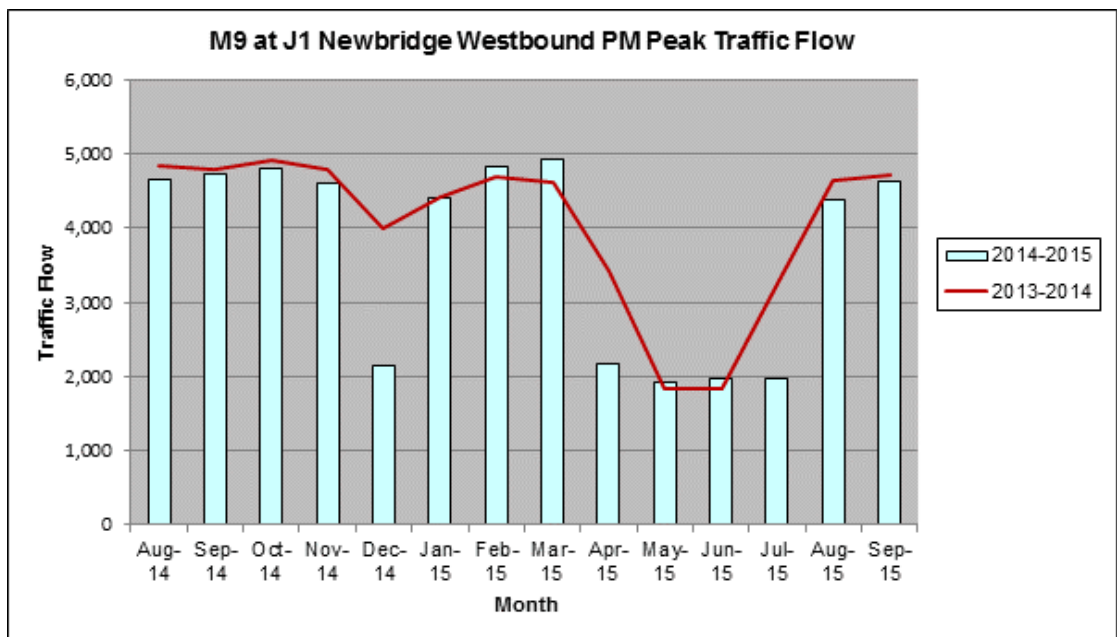


Figure 3-142 Monthly Westbound PM Peak Flows on the M9 at J1 Newbridge Westbound

### 3.28.3 Monthly Average HGVS Flows

Table 3-111 Site: NTC01231 Annual HGVS Traffic Flows - August 2014 to September 2015

Counter	Location	Date	WB
NTC01231	M9 at J1 Newbridge Westbound	Aug-11	No Data
		Aug-14	1,490
		Sep-14	1,628
		Oct-14	1,525
		Nov-14	1,477
		Dec-14	668
		Jan-15	1,264
		Feb-15	1,439
		Mar-15	1,529
		Apr-15	723
		May-15	616
		Jun-15	670
		Jul-15	666
		Aug-15	1,392
		Sep-15	1,505
		<b>Annual Average</b>	

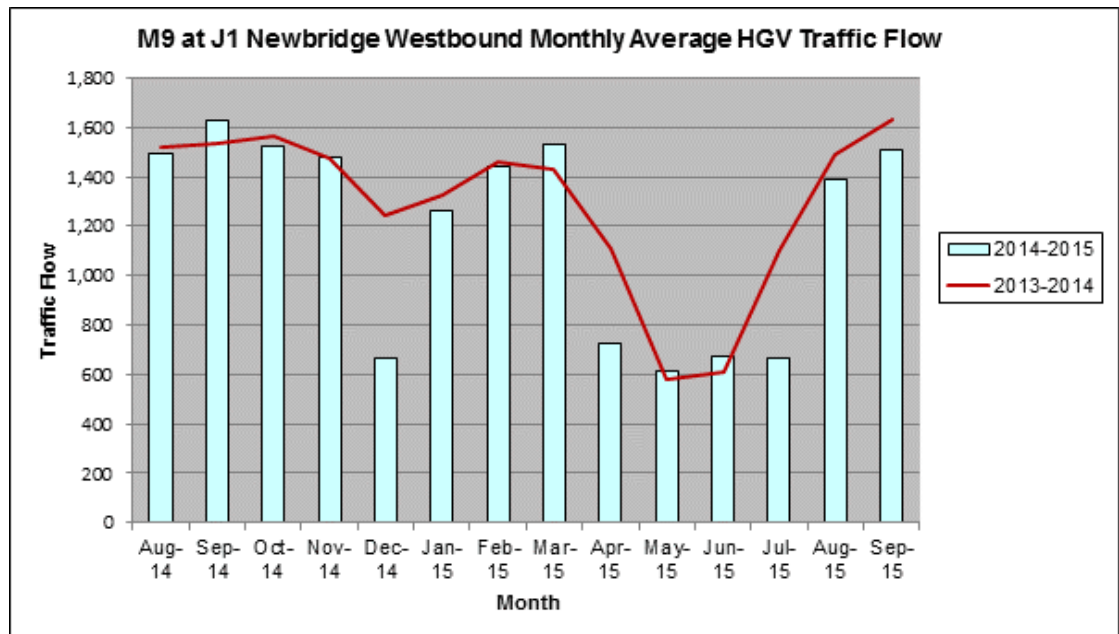
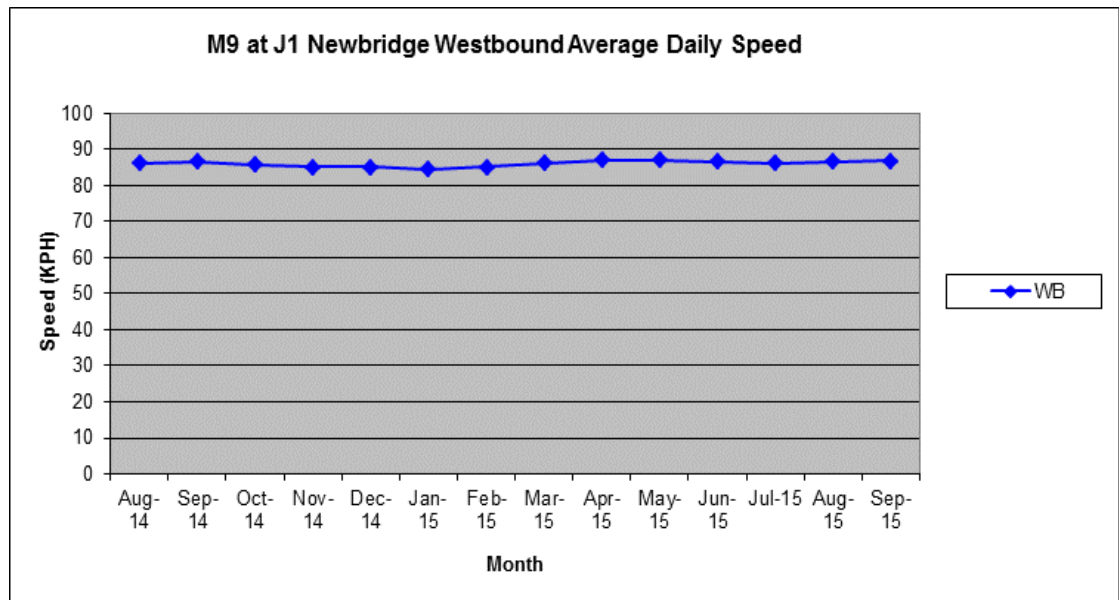


Figure 3-143 Monthly Westbound HGVS Traffic Flows on the M9 at J1 Newbridge Westbound

### 3.28.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-112 Site: NTC01231 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	WB
NTC01231	M9 at J1 Newbridge Westbound	Aug-14	86
		Sep-14	87
		Oct-14	86
		Nov-14	85
		Dec-14	85
		Jan-15	85
		Feb-15	85
		Mar-15	86
		Apr-15	87
		May-15	87
		Jun-15	87
		Jul-15	86
		Aug-15	87
		Sep-15	87



**Figure 3-144 Average Monthly Traffic Speeds (KPH) on the M9 at J1 Newbridge Westbound**



### 3.29 Traffic Counter NTC01232 - M9 Newbridge Eastbound Off-Ramp

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in November 2014 to February 2015 and higher flows in the summer months.
- Traffic flows follow a similar pattern to the previous monitoring period with the same HGV peak traffic flow in June.

#### 3.29.1 Monthly Average Traffic Flows

**Table 3-113 Site: NTC01232 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01232	M9 Newbridge Eastbound Off-Ramp	Aug-11	No Data
		Aug-14	13,231
		Sep-14	13,254
		Oct-14	13,006
		Nov-14	12,260
		Dec-14	11,209
		Jan-15	10,954
		Feb-15	12,083
		Mar-15	12,692
		Apr-15	12,771
		May-15	13,029
		Jun-15	13,478
		Jul-15	13,610
		Aug-15	13,526
Sep-15	13,734		
	<b>Annual Average</b>	<b>12,632</b>	

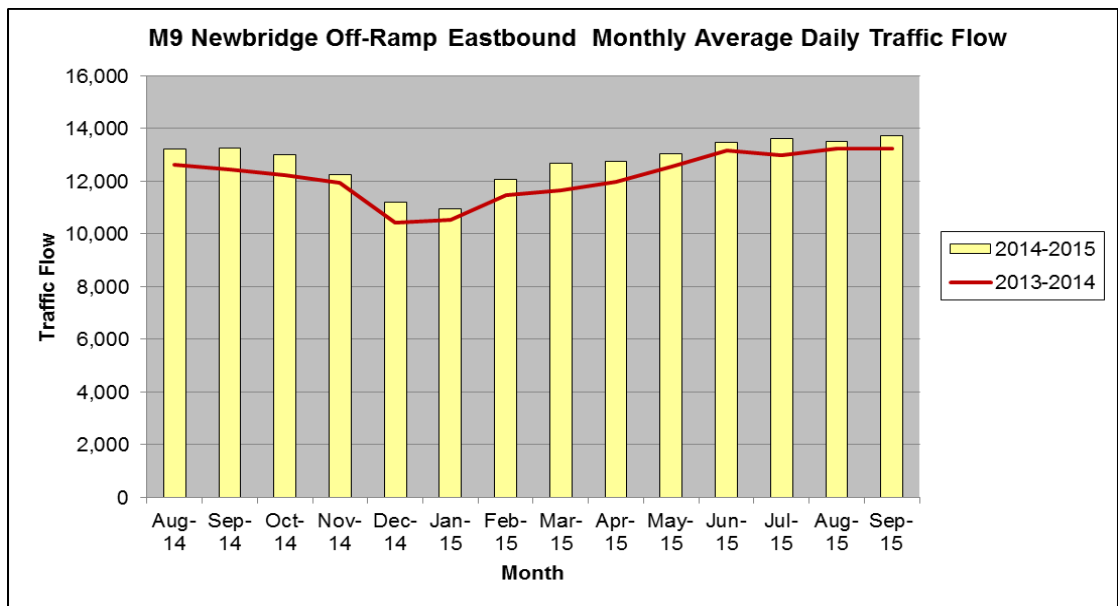


Figure 3-145 Monthly AADTs on the M9 Newbridge Eastbound Off-Ramp

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

Table 3-114 Site: NTC01232 Monthly Eastbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01232	M9 Newbridge Eastbound Off-Ramp	Aug-11	No Data	No Data
		Aug-14	3,355	2,289
		Sep-14	3,528	2,292
		Oct-14	3,502	2,259
		Nov-14	3,379	2,132
		Dec-14	2,921	1,832
		Jan-15	3,094	1,835
		Feb-15	3,344	2,040
		Mar-15	3,603	2,136
		Apr-15	3,312	2,200
		May-15	3,335	2,147
		Jun-15	3,433	2,176
		Jul-15	3,240	2,251
		Aug-15	3,158	2,359
Sep-15	3,387	2,390		
	<b>Annual Average</b>	<b>3,337</b>	<b>2,132</b>	

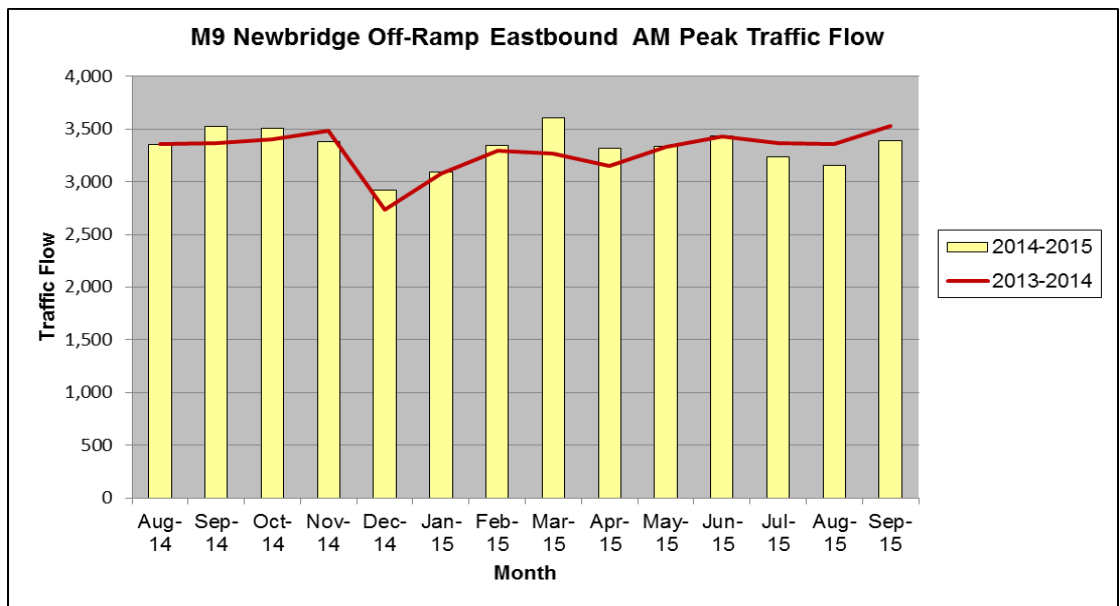


Figure 3-146 Monthly AM Peak Flows on the M9 Newbridge Eastbound Off-Ramp

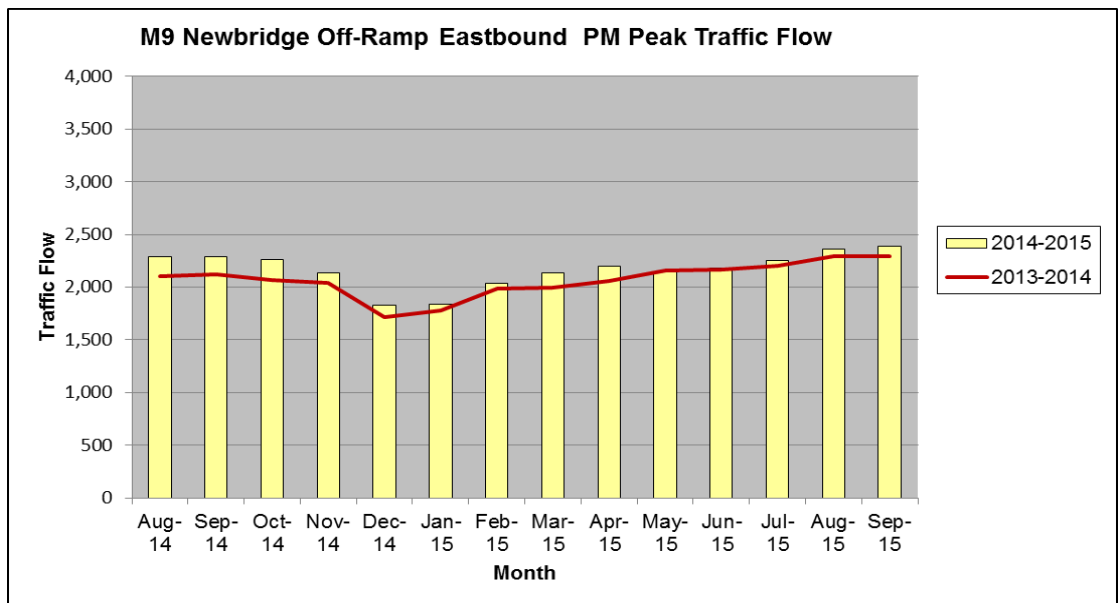
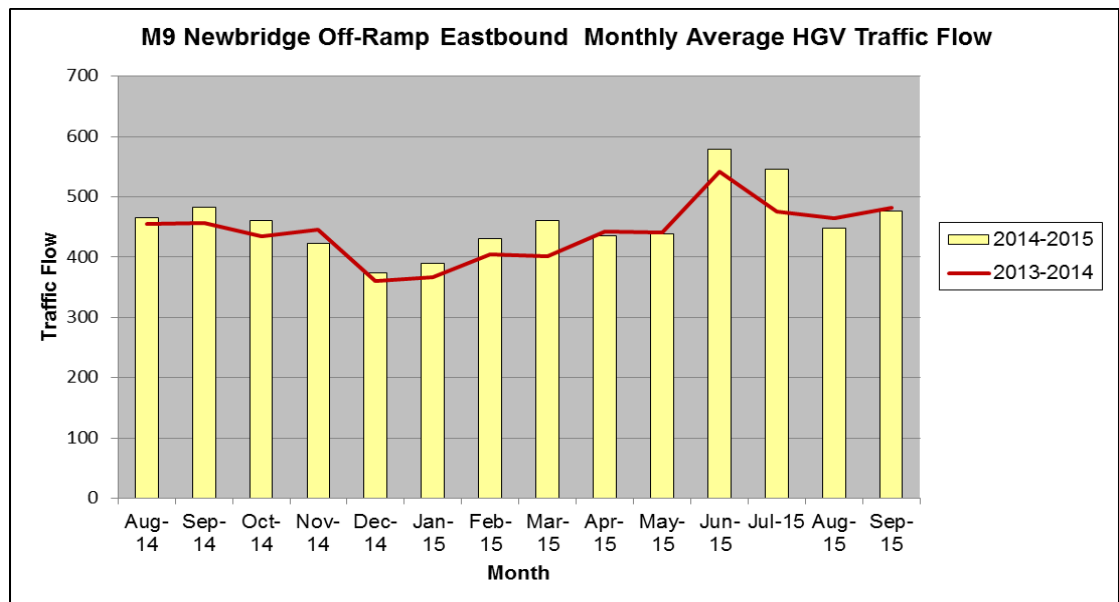


Figure 3-147 Monthly PM Peak Flows on the M9 Newbridge Eastbound Off-Ramp

### 3.29.3 Monthly Average HGV Flows

**Table 3-115 Site: NTC01232 Annual HGV Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01232	M9 Newbridge Eastbound Off-Ramp	Aug-11	No Data
		Aug-14	465
		Sep-14	482
		Oct-14	461
		Nov-14	422
		Dec-14	373
		Jan-15	389
		Feb-15	430
		Mar-15	461
		Apr-15	435
		May-15	439
		Jun-15	578
		Jul-15	545
		Aug-15	448
		Sep-15	477
		<b>Annual Average</b>	<b>457</b>

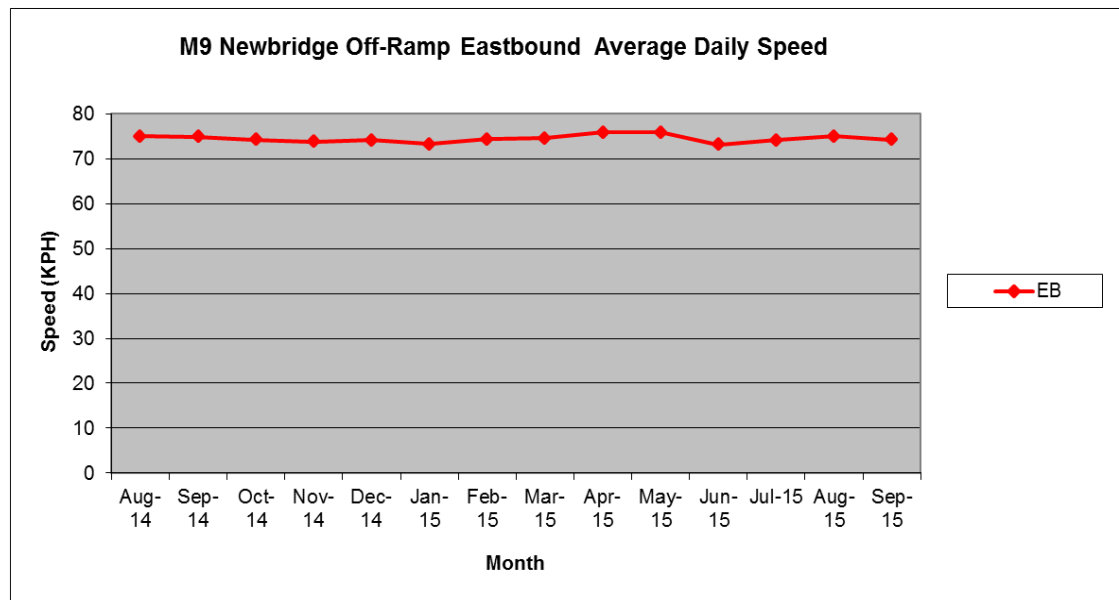


**Figure 3-148 Monthly HGV Traffic Flows on the M9 Newbridge Eastbound Off-Ramp**

### 3.29.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-116 Site: NTC01232 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01232	M9 Newbridge Eastbound Off-Ramp	Aug-14	75
		Sep-14	75
		Oct-14	74
		Nov-14	74
		Dec-14	74
		Jan-15	73
		Feb-15	74
		Mar-15	75
		Apr-15	76
		May-15	76
		Jun-15	73
		Jul-15	74
		Aug-15	75
		Sep-15	74



**Figure 3-149 Average Monthly Traffic Speeds (KPH) on the M9 Newbridge Off-Ramp Eastbound**

### 3.30 Traffic Counter NTC01261 - M9 West of J1a Eastbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in January and higher flows in the summer months.
- HGV flows follow a similar pattern to last year with the exception of June and July 2015, where flows are abnormally high compared to last year.

#### 3.30.1 Monthly Average Traffic Flows

*Table 3-117 Site: NTC01261 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	EB
NTC01261	M9 West of J1a Eastbound	Aug-11	No Data
		Aug-14	15,124
		Sep-14	15,179
		Oct-14	14,963
		Nov-14	14,402
		Dec-14	12,991
		Jan-15	13,169
		Feb-15	14,404
		Mar-15	15,046
		Apr-15	14,859
		May-15	15,018
		Jun-15	15,980
		Jul-15	15,394
		Aug-15	15,499
		Sep-15	15,663
	<b>Annual Average</b>	<b>14,711</b>	

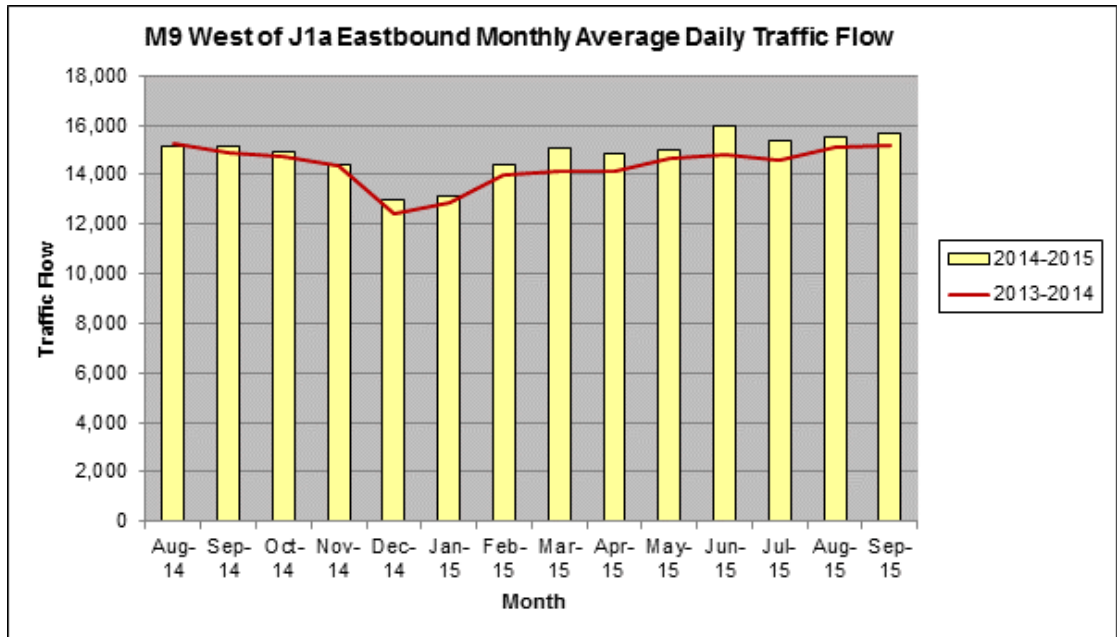


Figure 3-150 Monthly AADTs on the M9 West of J1a Eastbound

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

Table 3-118 Site: NTC01261 Monthly Eastbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01261	M9 West of J1a Eastbound	Aug-11	No Data	No Data
		Aug-14	3,954	2,675
		Sep-14	4,363	2,643
		Oct-14	4,337	2,573
		Nov-14	4,283	2,394
		Dec-14	3,594	2,074
		Jan-15	4,035	2,145
		Feb-15	4,393	2,356
		Mar-15	4,541	2,453
		Apr-15	4,165	2,552
		May-15	4,212	2,516
		Jun-15	4,582	2,609
		Jul-15	4,154	2,521
		Aug-15	4,038	2,673
		Sep-15	4,412	2,627
	<b>Annual Average</b>	<b>4,218</b>	<b>2,459</b>	

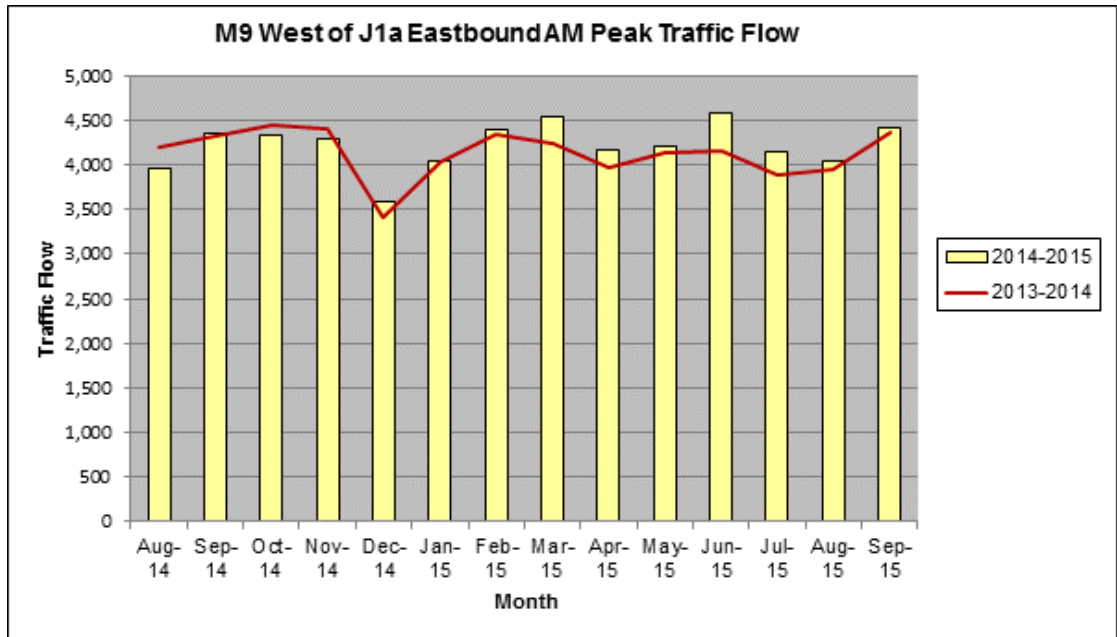


Figure 3-151 Monthly AM Peak Flows on the M9 West of J1a Eastbound

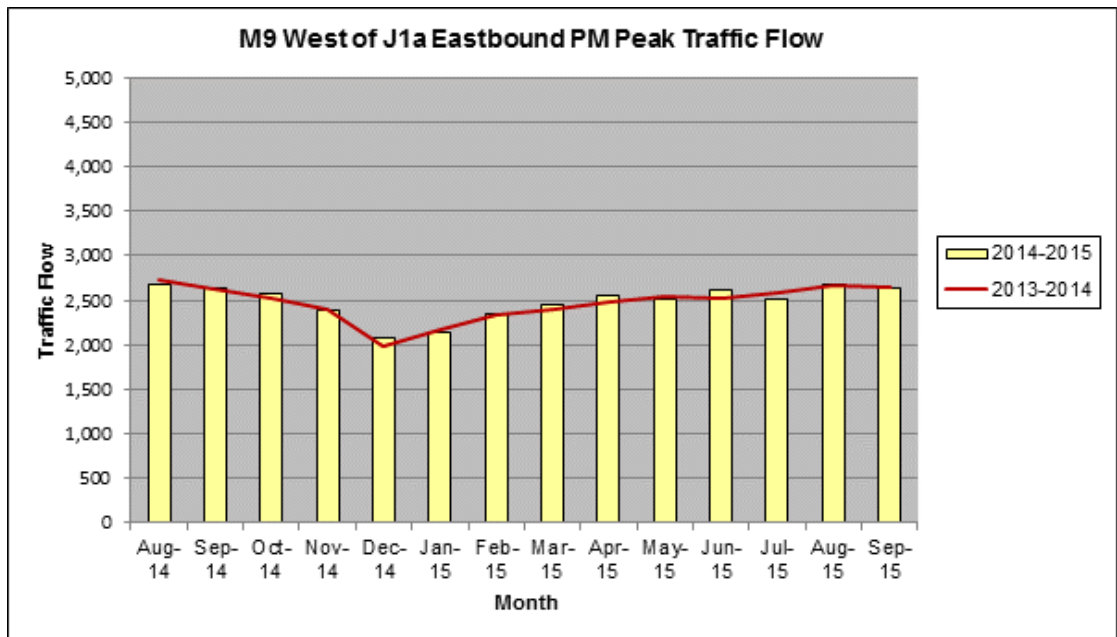


Figure 3-152 Monthly PM Peak Flows on the M9 West of J1a Eastbound



### 3.30.3 Monthly Average HGV Flows

Table 3-119 Site: NTC01261 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	EB
NTC01261	M9 West of J1a Eastbound	Aug-11	No Data
		Aug-14	800
		Sep-14	862
		Oct-14	831
		Nov-14	764
		Dec-14	715
		Jan-15	764
		Feb-15	803
		Mar-15	864
		Apr-15	821
		May-15	789
		Jun-15	976
		Jul-15	1,005
		Aug-15	776
		Sep-15	831
		<b>Annual Average</b>	<b>833</b>

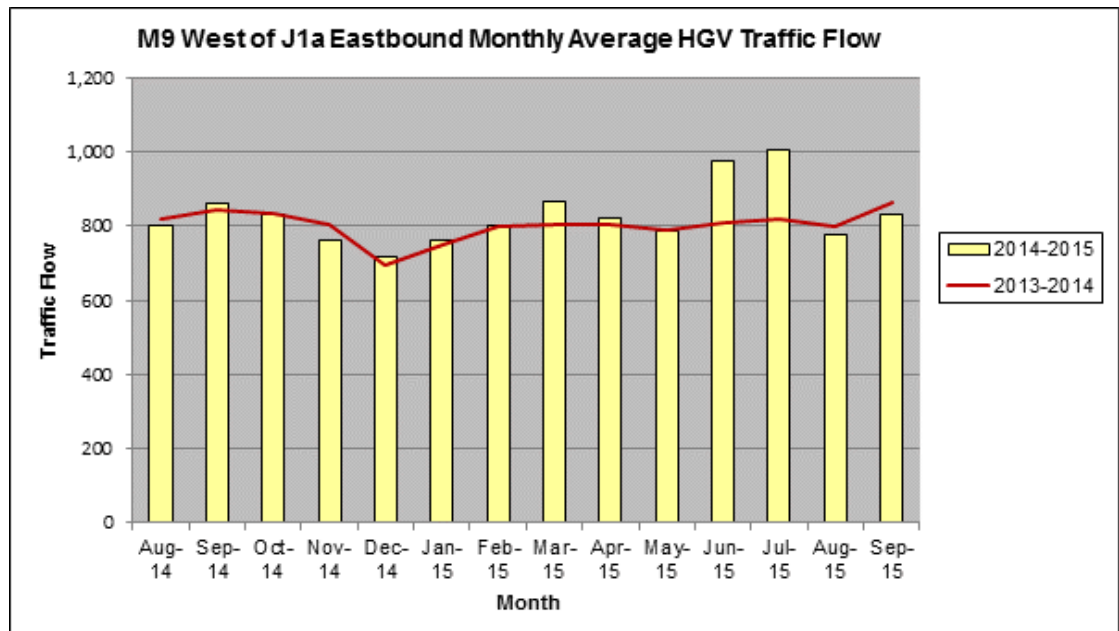
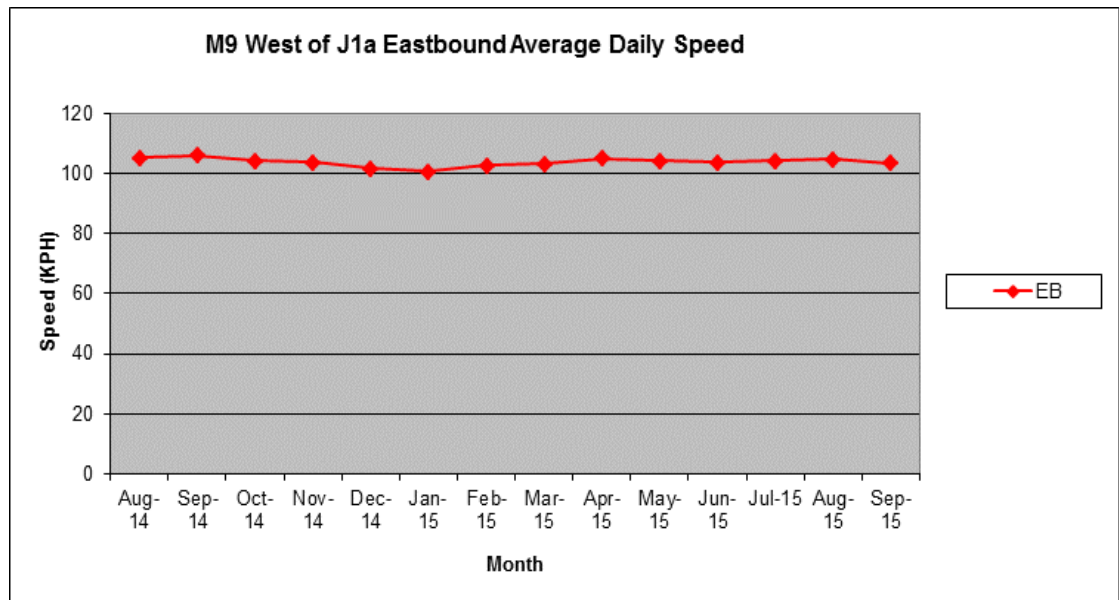


Figure 3-153 Monthly HGV Traffic Flows on the M9 West of J1a Eastbound

### 3.30.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-120 Site: NTC01261 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01261	M9 West of J1a Eastbound	Aug-14	105
		Sep-14	106
		Oct-14	104
		Nov-14	104
		Dec-14	102
		Jan-15	101
		Feb-15	103
		Mar-15	103
		Apr-15	105
		May-15	104
		Jun-15	104
		Jul-15	104
		Aug-15	105
		Sep-15	103



**Figure 3-154 Average Monthly Traffic Speeds (KPH) on the M9 West of J1a Eastbound**

### 3.31 Traffic Counter NTC01270 - M9 Spur at J1a Northbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison 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. Traffic flows follow a similar pattern to the previous monitoring period.
- HGV flows follow a similar pattern to general traffic.

#### 3.31.1 Monthly Average Traffic Flows

**Table 3-121 Site: NTC01270 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01270	M9 Spur at J1a Northbound	Aug-11	No Data
		Aug-14	19,490
		Sep-14	19,535
		Oct-14	19,052
		Nov-14	18,587
		Dec-14	16,494
		Jan-15	15,815
		Feb-15	18,077
		Mar-15	18,658
		Apr-15	19,452
		May-15	19,412
		Jun-15	19,647
		Jul-15	20,206
		Aug-15	19,835
		Sep-15	19,686
	<b>Annual Average</b>	<b>18,702</b>	

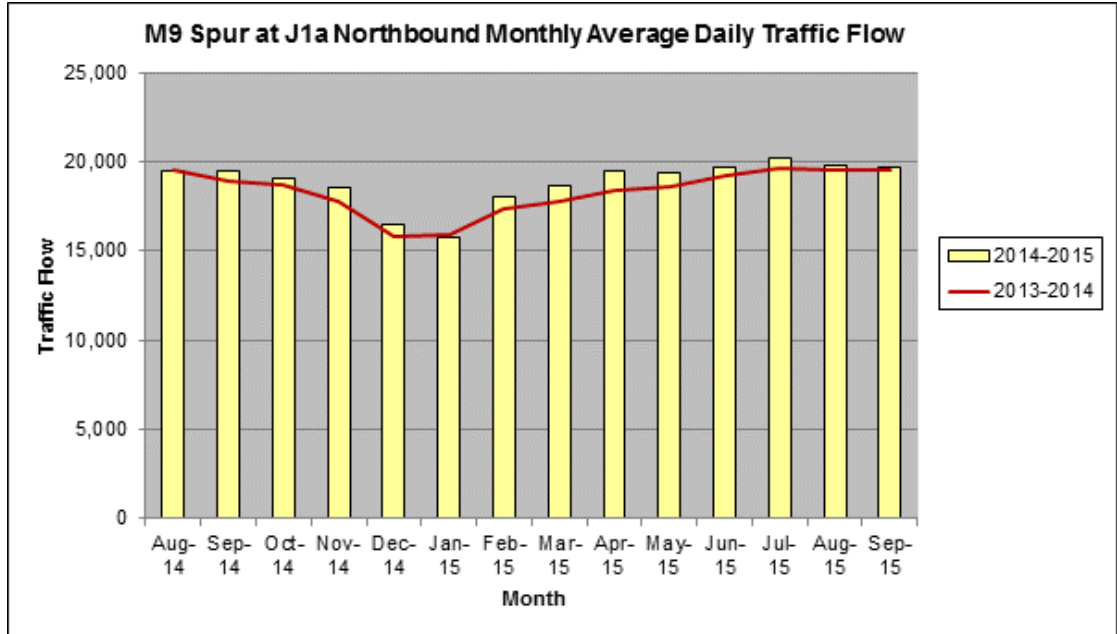


Figure 3-155 Monthly AADTs on the M9 Spur at J1a Northbound

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

Table 3-122 Site: NTC01270 Monthly Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01270	M9 Spur at J1a Northbound	Aug-11	No Data	No Data
		Aug-14	3,246	4,238
		Sep-14	3,478	4,333
		Oct-14	3,281	4,345
		Nov-14	3,160	4,348
		Dec-14	2,549	3,804
		Jan-15	2,629	3,943
		Feb-15	3,051	4,347
		Mar-15	3,224	4,397
		Apr-15	3,159	4,414
		May-15	3,108	4,458
		Jun-15	3,302	4,349
		Jul-15	3,330	4,368
		Aug-15	3,179	4,269
Sep-15	3,301	4,219		
	<b>Annual Average</b>	<b>3,127</b>	<b>4,279</b>	

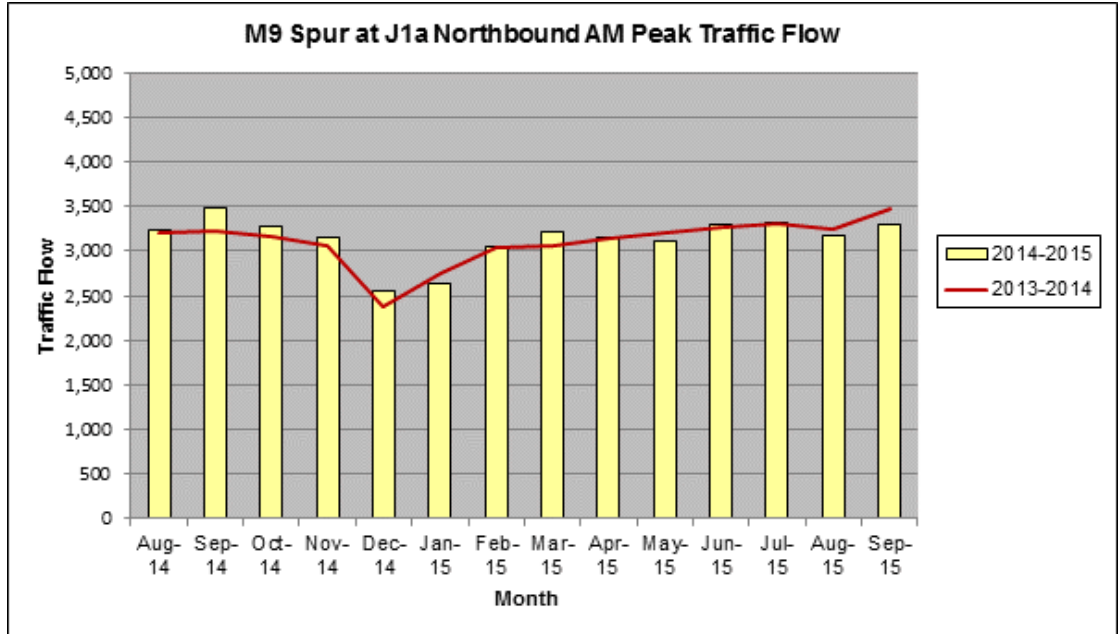


Figure 3-156 Monthly AM Peak Flows on the M9 Spur at J1a Northbound

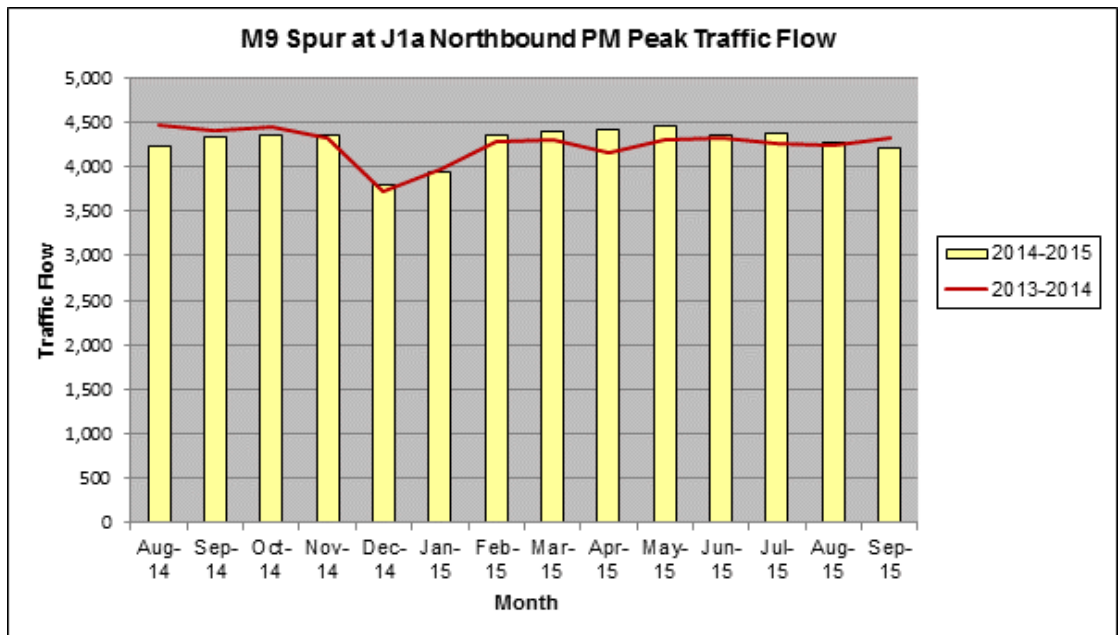


Figure 3-157 Monthly PM Peak Flows on the M9 Spur at J1a Northbound

### 3.31.3 Monthly Average HGV Flows

Table 3-123 Site: NTC01270 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
NTC01270	M9 Spur at J1a Northbound	Aug-11	No Data
		Aug-14	1,414
		Sep-14	1,538
		Oct-14	1,431
		Nov-14	1,424
		Dec-14	1,159
		Jan-15	1,106
		Feb-15	1,368
		Mar-15	1,384
		Apr-15	1,419
		May-15	1,372
		Jun-15	1,471
		Jul-15	1,438
		Aug-15	1,382
		Sep-15	1,502
		<b>Annual Average</b>	<b>1,377</b>

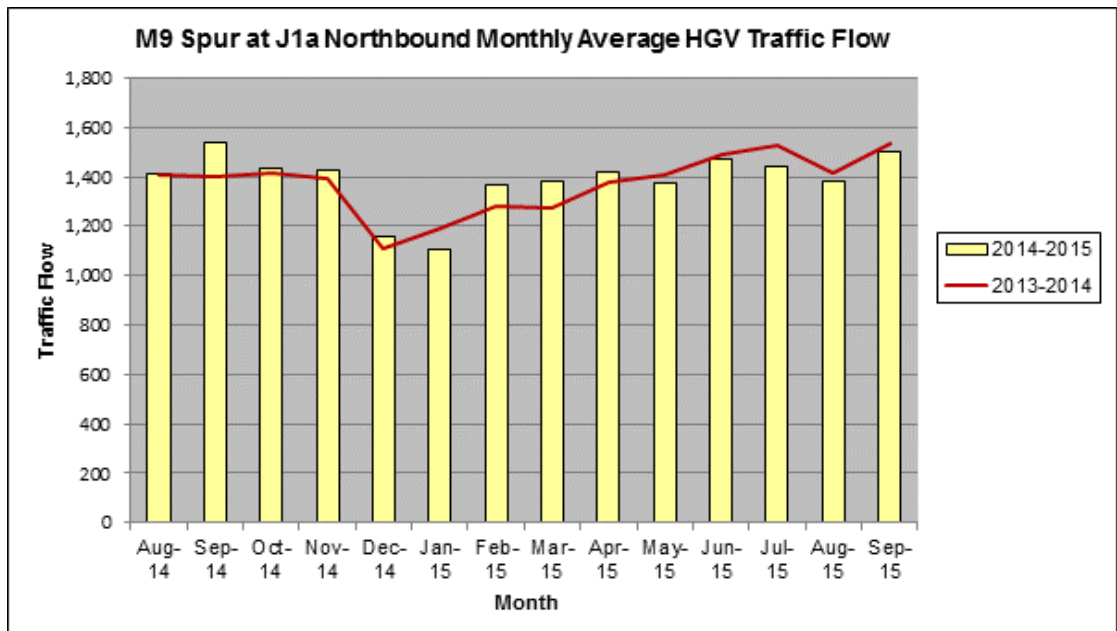
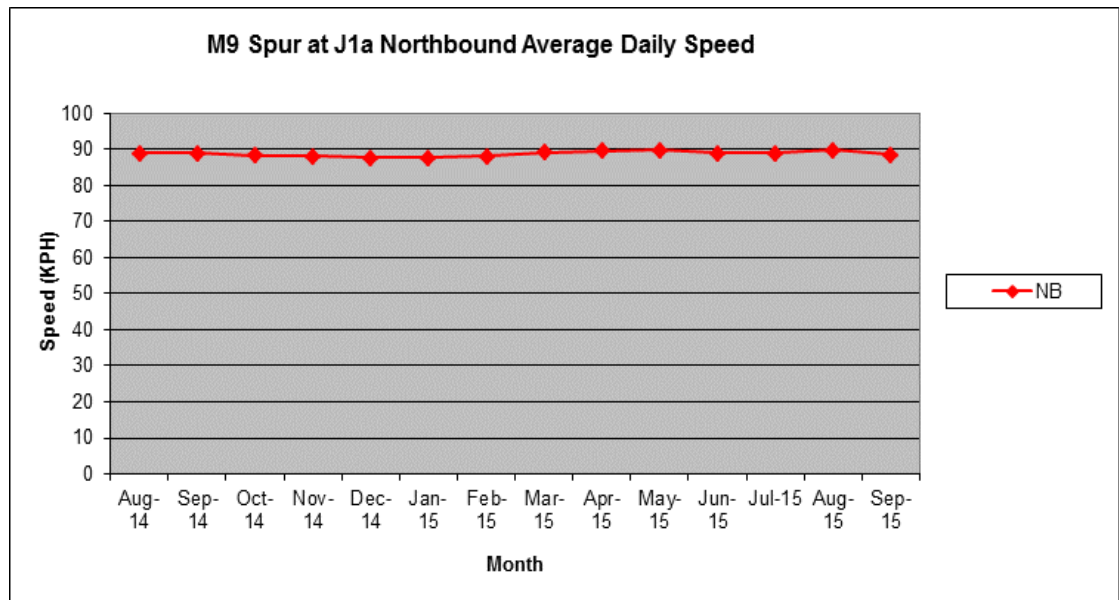


Figure 3-158 Monthly HGV Traffic Flows on the M9 Spur at J1a Northbound

### 3.31.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-124 Site: NTC01270 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01270	M9 Spur at J1a Northbound	Aug-14	89
		Sep-14	89
		Oct-14	88
		Nov-14	88
		Dec-14	88
		Jan-15	88
		Feb-15	88
		Mar-15	89
		Apr-15	90
		May-15	90
		Jun-15	89
		Jul-15	89
		Aug-15	90
		Sep-15	89



**Figure 3-159 Average Monthly Traffic Speeds (KPH) on the M9 Spur at J1a Northbound**

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

Summary of statistics between August 2014 and September 2015:

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

#### 3.32.1 Monthly Average Traffic Flows

**Table 3-125 Site: NTC01271 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01271	M9 Spur at J1a On-Ramp from M9 East Northbound	Aug-11	No Data
		Aug-14	1,367
		Sep-14	1,379
		Oct-14	1,304
		Nov-14	1,276
		Dec-14	1,128
		Jan-15	1,177
		Feb-15	1,348
		Mar-15	1,459
		Apr-15	1,450
		May-15	1,381
		Jun-15	1,352
		Jul-15	1,453
		Aug-15	1,410
		Sep-15	1,381
	<b>Annual Average</b>	<b>1,339</b>	



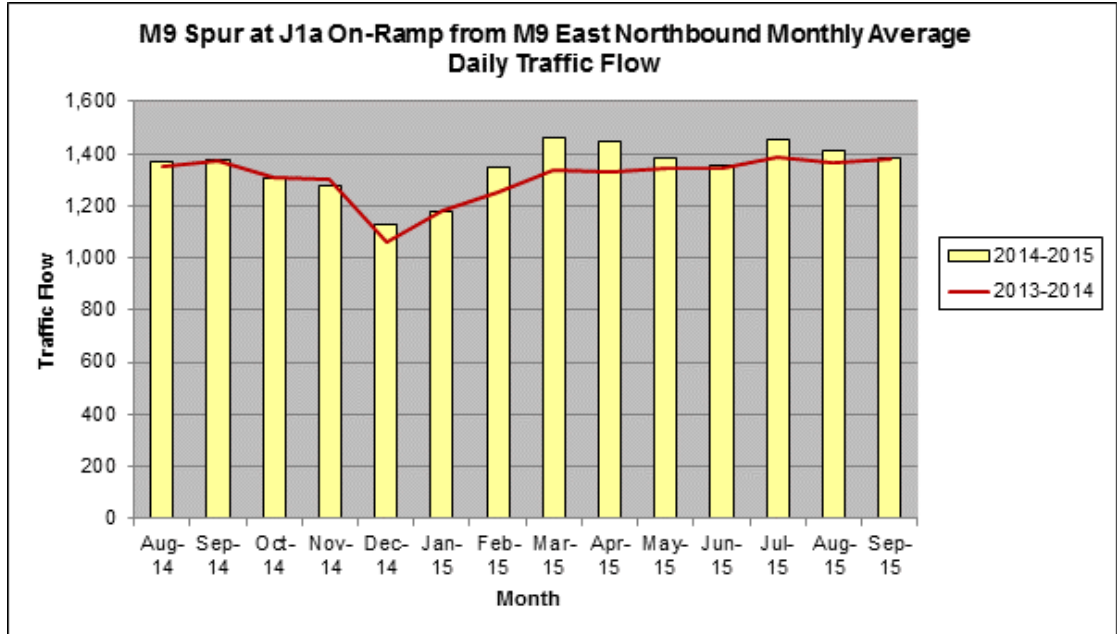


Figure 3-160 Monthly AADTs on the M9 Spur at J1a On-Ramp from M9 East Northbound

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

Table 3-126 Site: NTC01271 Monthly Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01271	M9 Spur at J1a On-Ramp from M9 East Northbound	Aug-11	No Data	No Data
		Aug-14	364	170
		Sep-14	393	169
		Oct-14	377	147
		Nov-14	354	160
		Dec-14	298	144
		Jan-15	316	165
		Feb-15	369	174
		Mar-15	399	189
		Apr-15	375	191
		May-15	371	172
		Jun-15	375	160
		Jul-15	377	179
		Aug-15	371	171
Sep-15	398	148		
		<b>Annual Average</b>	<b>364</b>	<b>168</b>

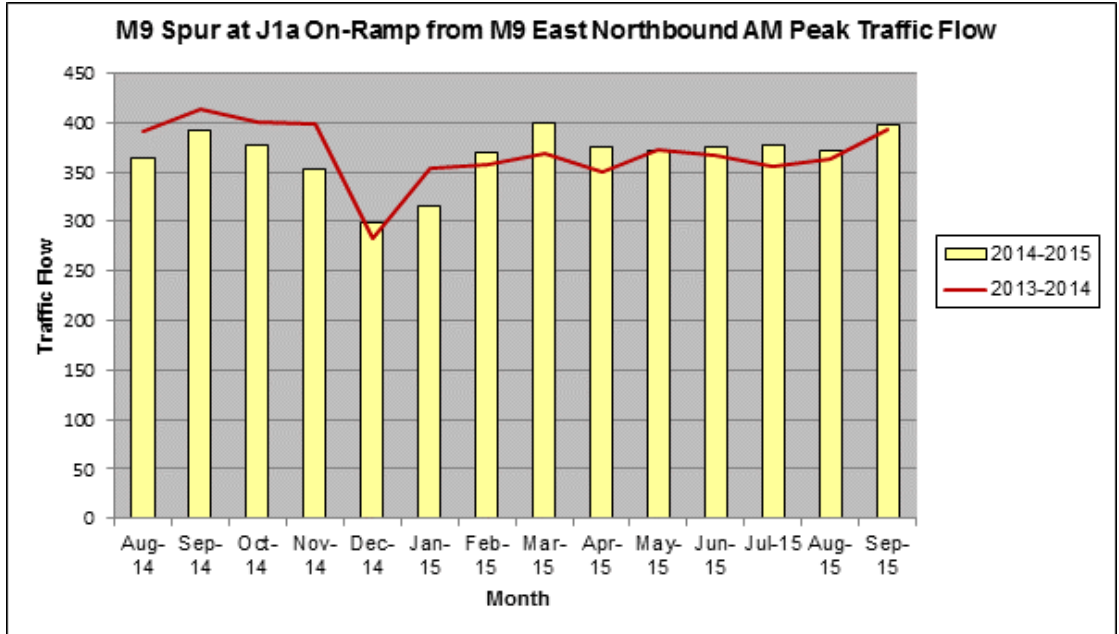


Figure 3-161 Monthly AM Peak Flows on the M9 Spur at J1a On-Ramp from M9 East Northbound

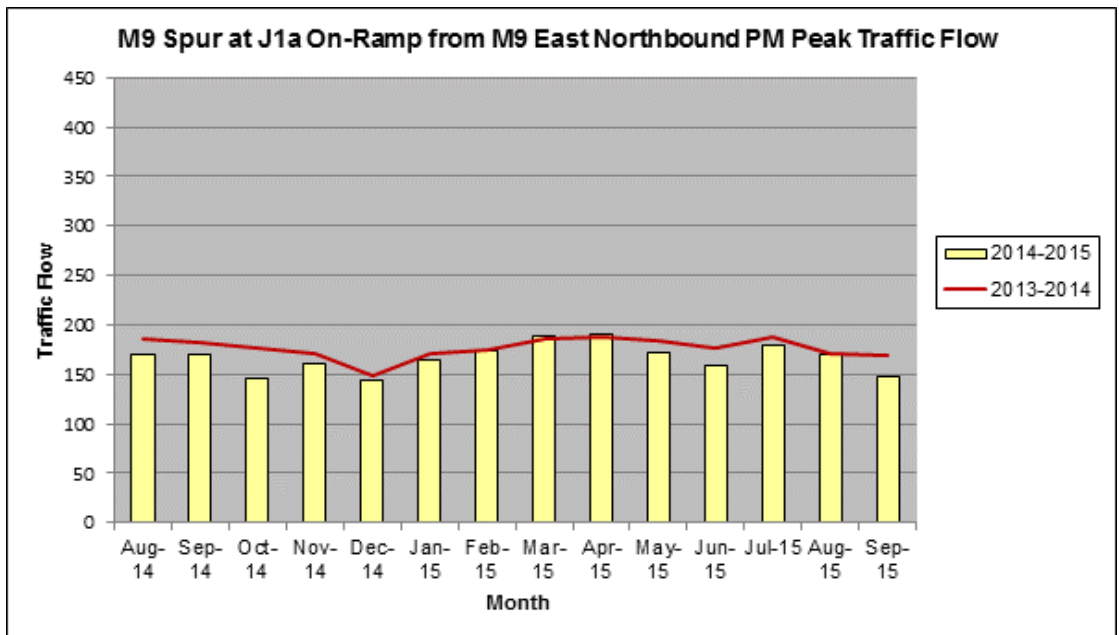


Figure 3-162 Monthly PM Peak Flows on the M9 Spur at J1a On-Ramp from M9 East Northbound

### 3.32.3 Monthly Average HGV Flows

Table 3-127 Site: NTC01271 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
NTC01271	M9 Spur at J1a On-Ramp from M9 East Northbound	Aug-11	No Data
		Aug-14	179
		Sep-14	200
		Oct-14	193
		Nov-14	182
		Dec-14	149
		Jan-15	137
		Feb-15	186
		Mar-15	191
		Apr-15	183
		May-15	183
		Jun-15	172
		Jul-15	186
		Aug-15	170
		Sep-15	194
		<b>Annual Average</b>	<b>178</b>

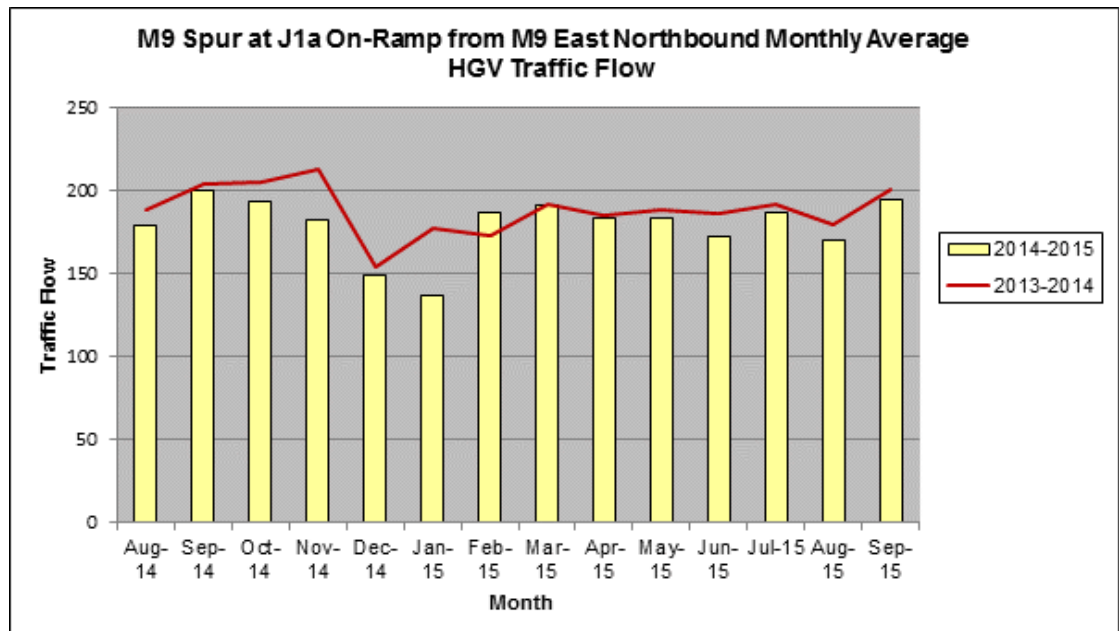
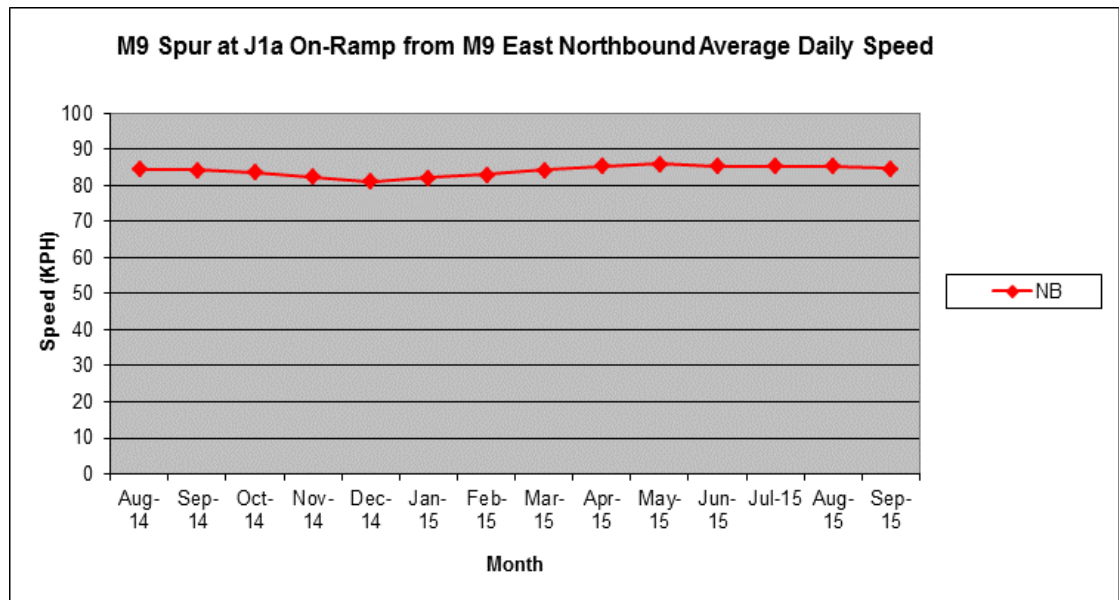


Figure 3-163 Monthly HGV Traffic Flows on the M9 Spur at J1a On-Ramp from M9 East Northbound

### 3.32.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-128 Site: NTC01271 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01271	M9 Spur at J1a On-Ramp from M9 East Northbound	Aug-14	85
		Sep-14	84
		Oct-14	84
		Nov-14	82
		Dec-14	81
		Jan-15	82
		Feb-15	83
		Mar-15	84
		Apr-15	85
		May-15	86
		Jun-15	85
		Jul-15	85
		Aug-15	85
		Sep-15	85



**Figure 3-164 Average Monthly Traffic Speeds (KPH) on the M9 Spur at J1a On-Ramp from M9 East Northbound**

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

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in November 2014 to February 2015 and higher flows in the summer months.

#### 3.33.1 Monthly Average Traffic Flows

**Table 3-129 Site: NTC01272 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01272	M9 Spur at J1a Off-Ramp to M9 East Southbound	Aug-11	No Data
		Aug-14	21,032
		Sep-14	20,882
		Oct-14	20,316
		Nov-14	19,279
		Dec-14	17,235
		Jan-15	16,461
		Feb-15	18,744
		Mar-15	19,438
		Apr-15	20,634
		May-15	20,706
		Jun-15	21,021
		Jul-15	21,518
		Aug-15	21,441
		Sep-15	21,072
	<b>Annual Average</b>	<b>19,772</b>	

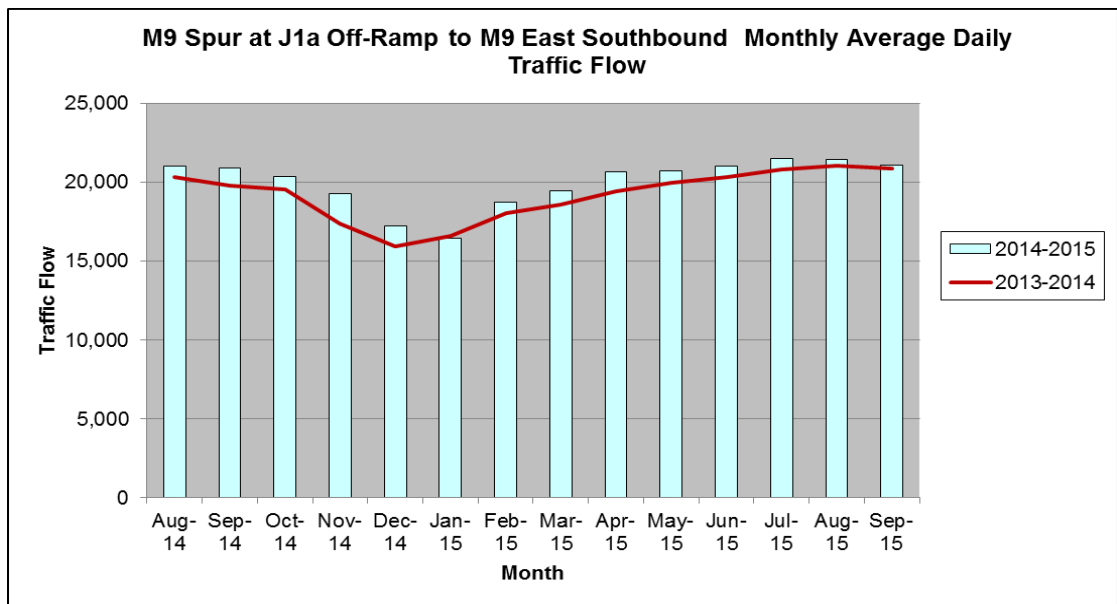


Figure 3-165 Monthly AADTs on the M9 Spur at J1a Off-Ramp to M9 East Southbound

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

Table 3-130 Site: NTC01272 Monthly Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01272	M9 Spur at J1a Off-Ramp to M9 East Southbound	Aug-11	No Data	No Data
		Aug-14	4,018	4,111
		Sep-14	4,297	4,197
		Oct-14	4,200	3,981
		Nov-14	3,985	3,673
		Dec-14	3,418	3,125
		Jan-15	3,442	3,268
		Feb-15	3,881	3,722
		Mar-15	4,092	3,831
		Apr-15	3,952	4,155
		May-15	4,021	4,006
		Jun-15	4,105	4,022
		Jul-15	4,015	4,160
		Aug-15	3,867	4,158
Sep-15	4,075	4,064		
	<b>Annual Average</b>	<b>3,952</b>	<b>3,854</b>	

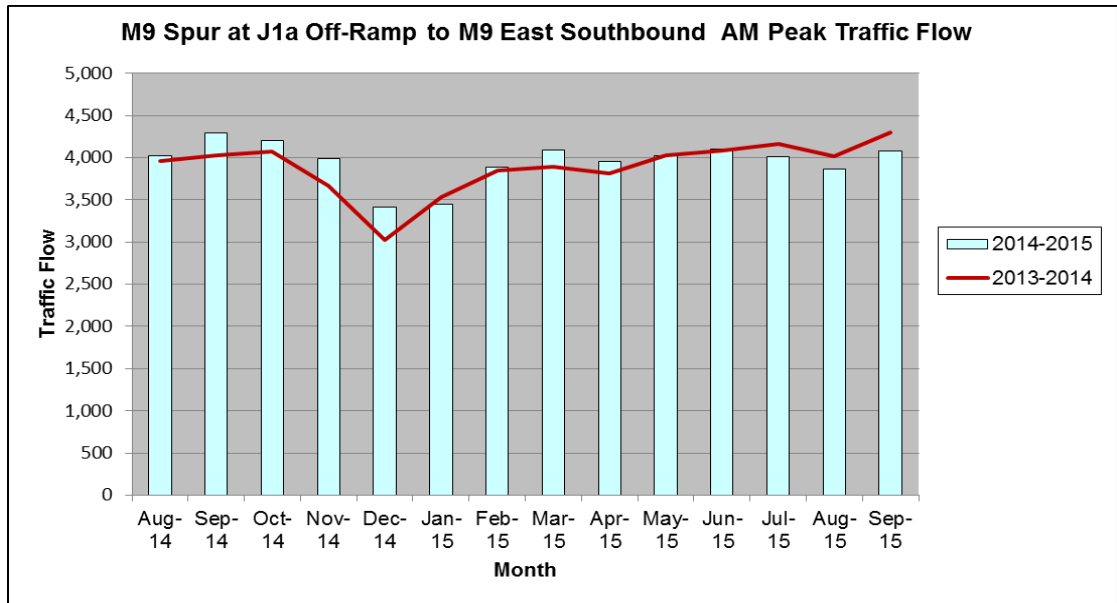


Figure 3-166 Monthly AM Peak Flows on the M9 Spur at J1a Off-Ramp to M9 East Southbound

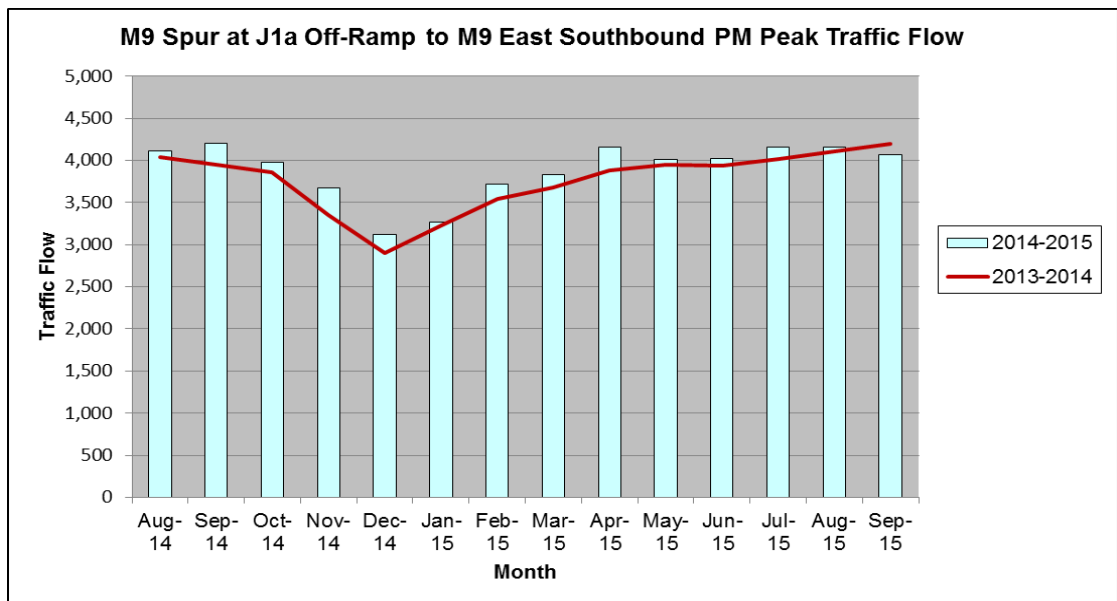


Figure 3-167 Monthly PM Peak Flows on the M9 Spur at J1a Off-Ramp to M9 East Southbound

### 3.33.3 Monthly Average HGV Flows

Table 3-131 Site: NTC01272 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTC01272	M9 Spur at J1a Off-Ramp to M9 East Southbound	Aug-11	No Data
		Aug-14	1,445
		Sep-14	1,558
		Oct-14	1,463
		Nov-14	1,405
		Dec-14	1,194
		Jan-15	1,130
		Feb-15	1,371
		Mar-15	1,405
		Apr-15	1,419
		May-15	1,391
		Jun-15	1,534
		Jul-15	1,480
		Aug-15	1,424
		Sep-15	1,538
		<b>Annual Average</b>	<b>1,400</b>

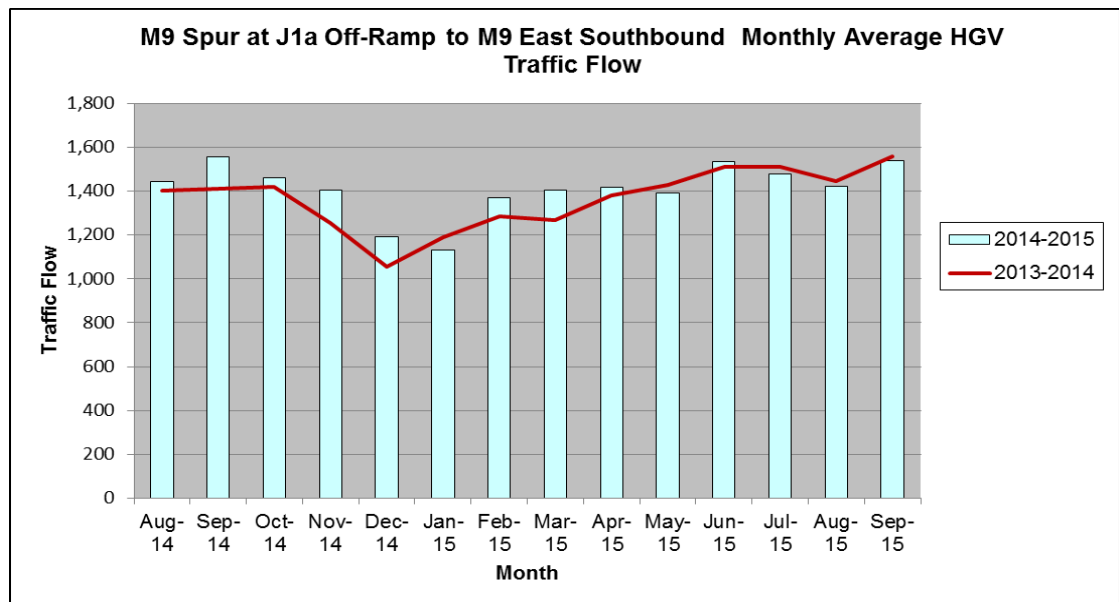


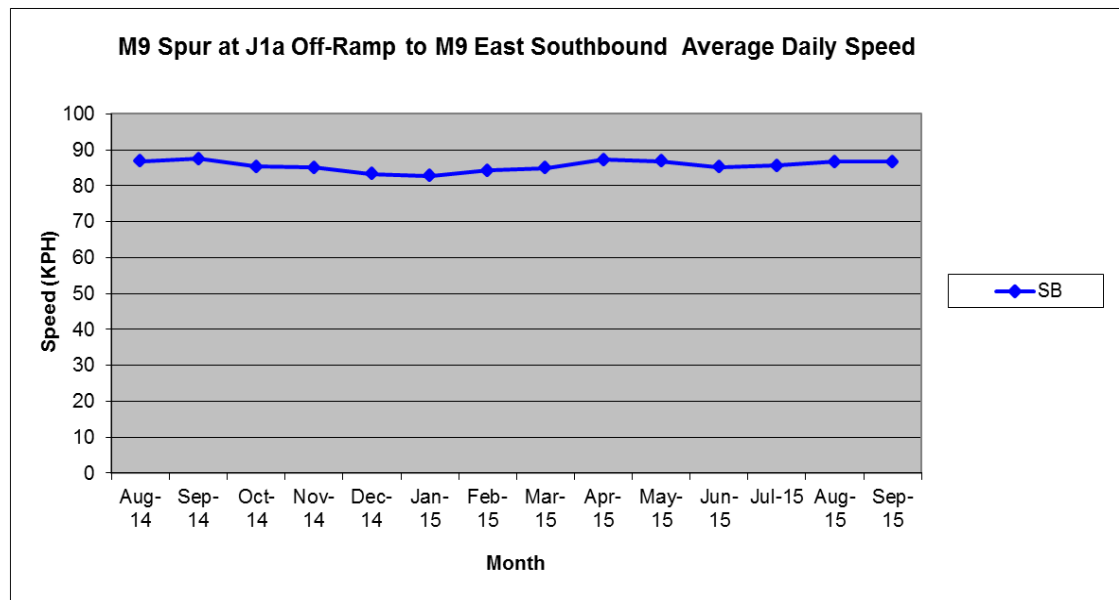
Figure 3-168 Monthly HGV Traffic Flows on the M9 Spur at J1a Off-Ramp to M9 East Southbound



### 3.33.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-132 Site: NTC01272 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01272	M9 Spur at J1a Off-Ramp to M9 East Southbound	Aug-14	87
		Sep-14	87
		Oct-14	85
		Nov-14	85
		Dec-14	83
		Jan-15	83
		Feb-15	84
		Mar-15	85
		Apr-15	87
		May-15	87
		Jun-15	85
		Jul-15	86
		Aug-15	87
		Sep-15	87



**Figure 3-169 Average Monthly Traffic Speeds (KPH) on the M9 Spur at J1a Off-Ramp to M9 East Southbound**

### 3.34 Traffic Counter NTC01274 - M9 Spur at J1a Southbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows are relatively consistent throughout the year however they do show some degree of seasonal variation; with lower flows in December and January and higher flows in the summer months.

#### 3.34.1 Monthly Average Traffic Flows

**Table 3-133 Site: NTC01274 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01274	M9 Spur at J1a Southbound	Aug-11	No Data
		Aug-14	1,685
		Sep-14	1,657
		Oct-14	1,598
		Nov-14	1,545
		Dec-14	1,316
		Jan-15	1,332
		Feb-15	1,577
		Mar-15	1,782
		Apr-15	1,705
		May-15	1,648
		Jun-15	1,696
		Jul-15	1,796
		Aug-15	1,726
		Sep-15	1,691
	<b>Annual Average</b>	<b>1,611</b>	

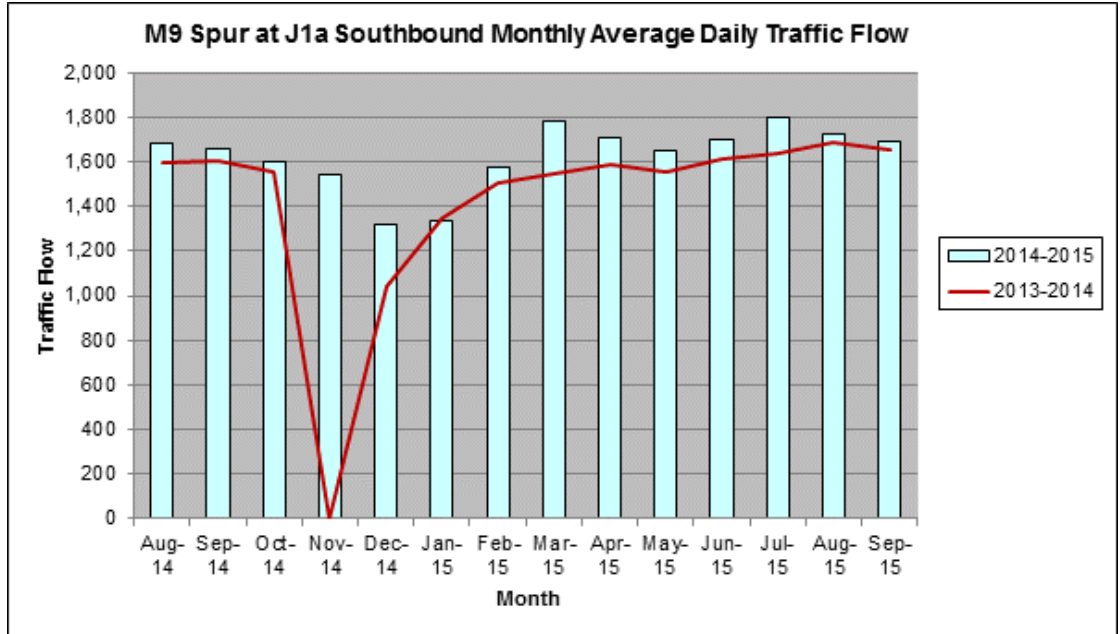


Figure 3-170 Monthly AADTs on the M9 Spur at J1a Southbound

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

Table 3-134 Site: NTC01274 Monthly Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01274	M9 Spur at J1a Southbound	Aug-11	No Data	No Data
		Aug-14	251	412
		Sep-14	259	447
		Oct-14	253	430
		Nov-14	230	424
		Dec-14	189	346
		Jan-15	205	380
		Feb-15	237	449
		Mar-15	269	500
		Apr-15	247	461
		May-15	249	430
		Jun-15	263	452
		Jul-15	258	457
		Aug-15	244	445
Sep-15	245	457		
	<b>Annual Average</b>	<b>242</b>	<b>432</b>	

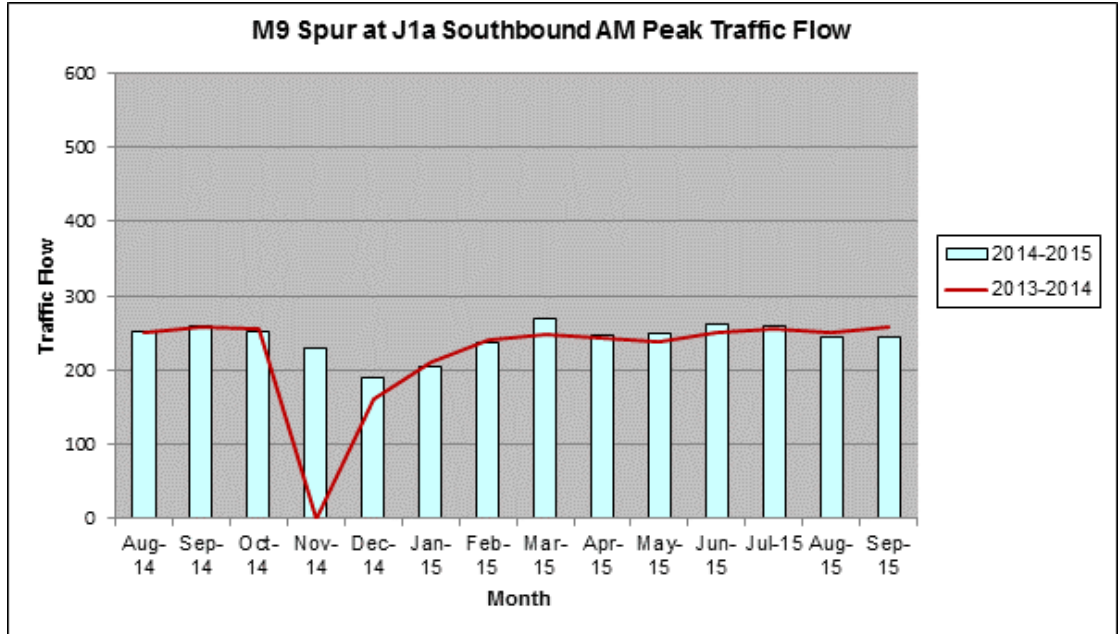


Figure 3-171 Monthly AM Peak Flows on the M9 Spur at J1a Southbound

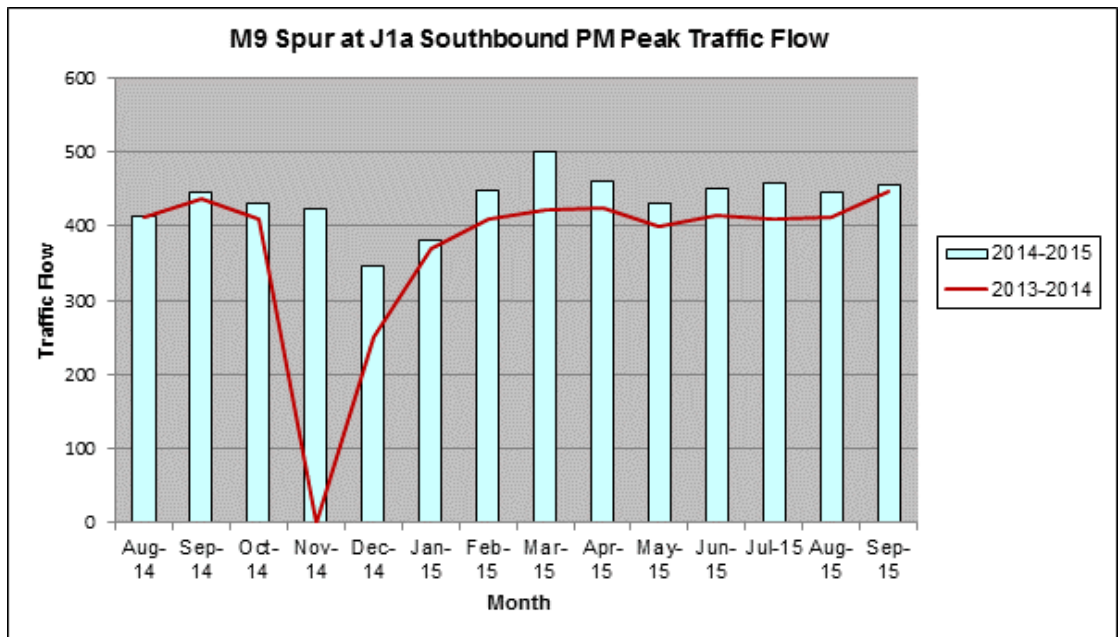


Figure 3-172 Monthly PM Peak Flows on the M9 Spur at J1a Southbound

### 3.34.3 Monthly Average HGV Flows

Table 3-135 Site: NTC01274 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTC01274	M9 Spur at J1a Southbound	Aug-11	No Data
		Aug-14	186
		Sep-14	203
		Oct-14	203
		Nov-14	193
		Dec-14	146
		Jan-15	140
		Feb-15	188
		Mar-15	198
		Apr-15	190
		May-15	176
		Jun-15	189
		Jul-15	196
		Aug-15	177
		Sep-15	206
		<b>Annual Average</b>	<b>184</b>

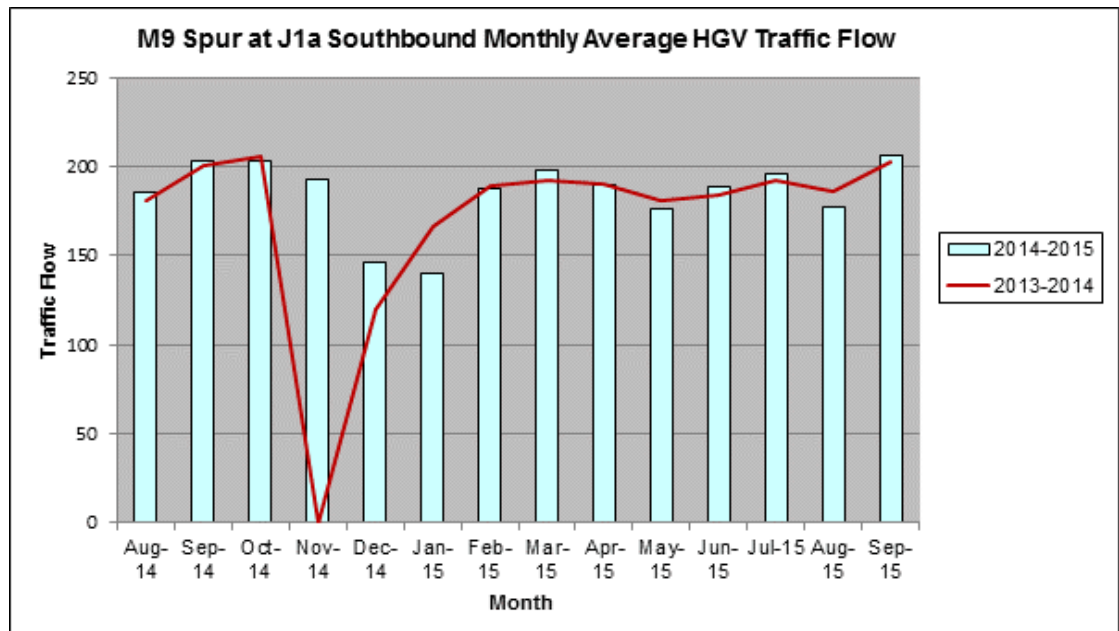
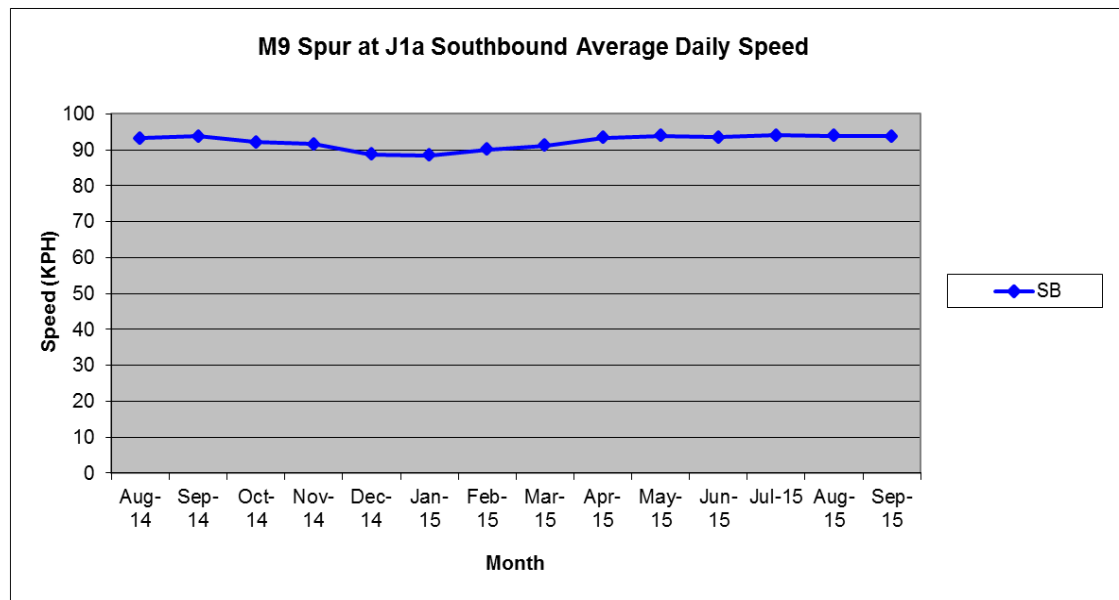


Figure 3-173 Monthly HGV Traffic Flows on the M9 Spur at J1a Southbound

### 3.34.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-136 Site: NTC01274 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01274	M9 Spur at J1a Southbound	Aug-14	93
		Sep-14	94
		Oct-14	92
		Nov-14	92
		Dec-14	89
		Jan-15	88
		Feb-15	90
		Mar-15	91
		Apr-15	93
		May-15	94
		Jun-15	93
		Jul-15	94
		Aug-15	94
		Sep-15	94



**Figure 3-174 Average Monthly Traffic Speeds (KPH) on the M9 Spur at J1a Southbound**

### 3.35 Traffic Counter NTC01179 - M90 at J2a Halbeath Northbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows show a reduction between August and November 2014.
- Mis-classification of vehicles has been observed from November to December 2014.

#### 3.35.1 Monthly Average Traffic Flows

*Table 3-137 Site: NTC01179 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB
NTC01179	M90 at J2a Halbeath Northbound	Aug-11	No Data
		Aug-14	10,186
		Sep-14	10,056
		Oct-14	9,735
		Nov-14	12,636
		Dec-14	13,410
		Jan-15	12,663
		Feb-15	14,363
		Mar-15	14,770
		Apr-15	15,205
		May-15	15,411
		Jun-15	15,897
		Jul-15	16,068
		Aug-15	16,202
		Sep-15	15,827
	<b>Annual Average</b>	<b>13,367</b>	

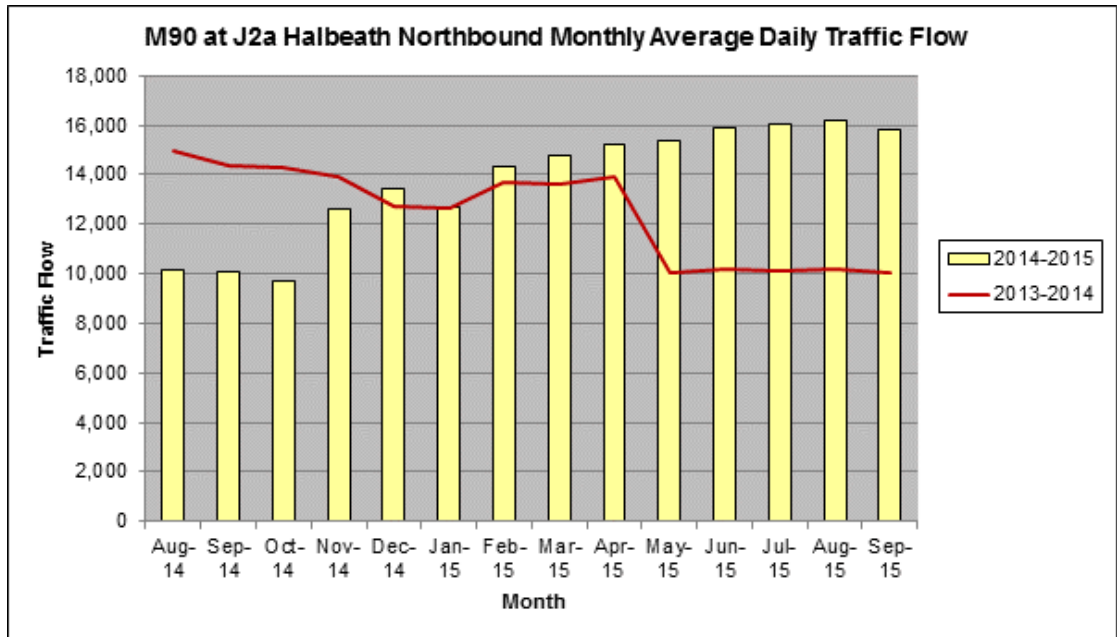


Figure 3-175 Monthly AADTs on the M90 at J2a Halbeath Northbound

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

Table 3-138 Site: NTC01179 Monthly Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01179	M90 at J2a Halbeath Northbound	Aug-11	No Data	No Data
		Aug-14	1,588	2,056
		Sep-14	1,772	2,101
		Oct-14	1,663	2,057
		Nov-14	2,201	2,931
		Dec-14	2,103	3,059
		Jan-15	2,188	3,150
		Feb-15	2,494	3,546
		Mar-15	2,631	3,571
		Apr-15	2,532	3,524
		May-15	2,531	3,593
		Jun-15	2,689	3,722
		Jul-15	2,635	3,628
		Aug-15	2,582	3,602
Sep-15	2,740	3,670		
	<b>Annual Average</b>	<b>2,252</b>	<b>3,078</b>	



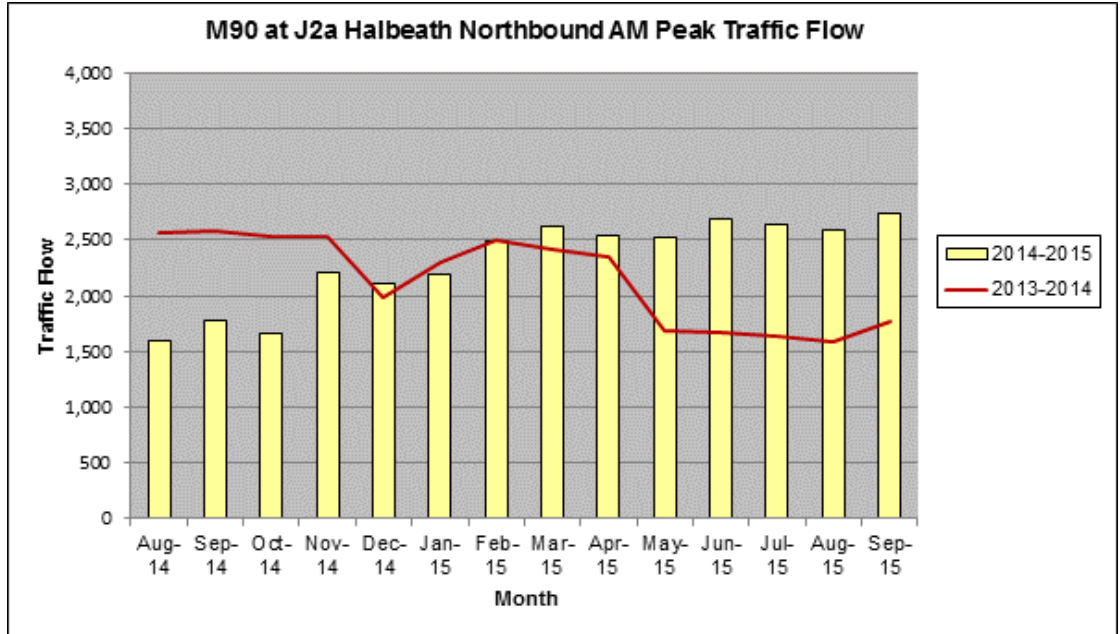


Figure 3-176 Monthly AM Peak Flows on the M90 at J2a Halbeath Northbound

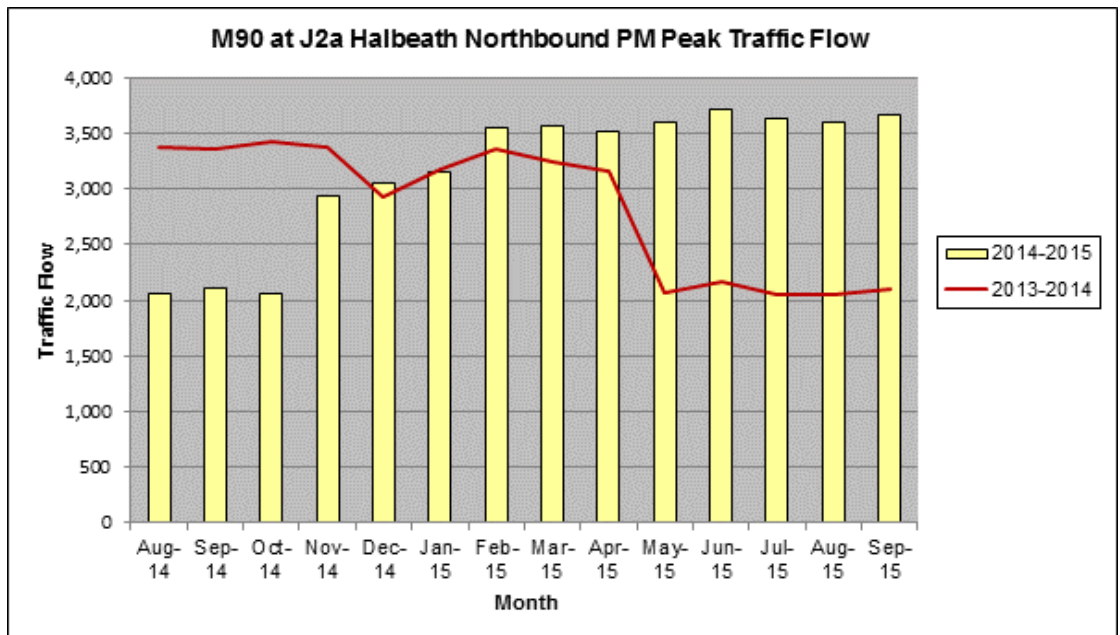


Figure 3-177 Monthly PM Peak Flows on the M90 at J2a Halbeath Northbound

### 3.35.3 Monthly Average HGV Flows

Table 3-139 Site: NTC01179 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
NTC01179	M90 at J2a Halbeath Northbound	Aug-11	No Data
		Aug-14	1,310
		Sep-14	1,378
		Oct-14	1,294
		Nov-14	No Data*
		Dec-14	No Data*
		Jan-15	1,082
		Feb-15	1,264
		Mar-15	1,299
		Apr-15	1,323
		May-15	1,324
		Jun-15	1,418
		Jul-15	1,410
		Aug-15	1,407
		Sep-15	1,441

(\*) Mis-classification of vehicles.

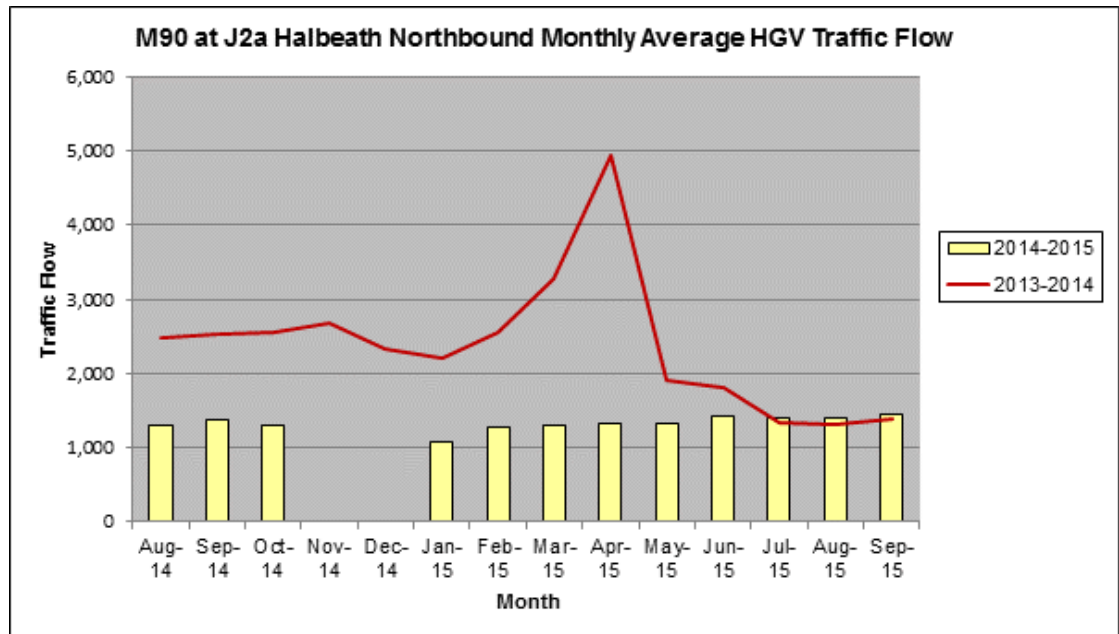


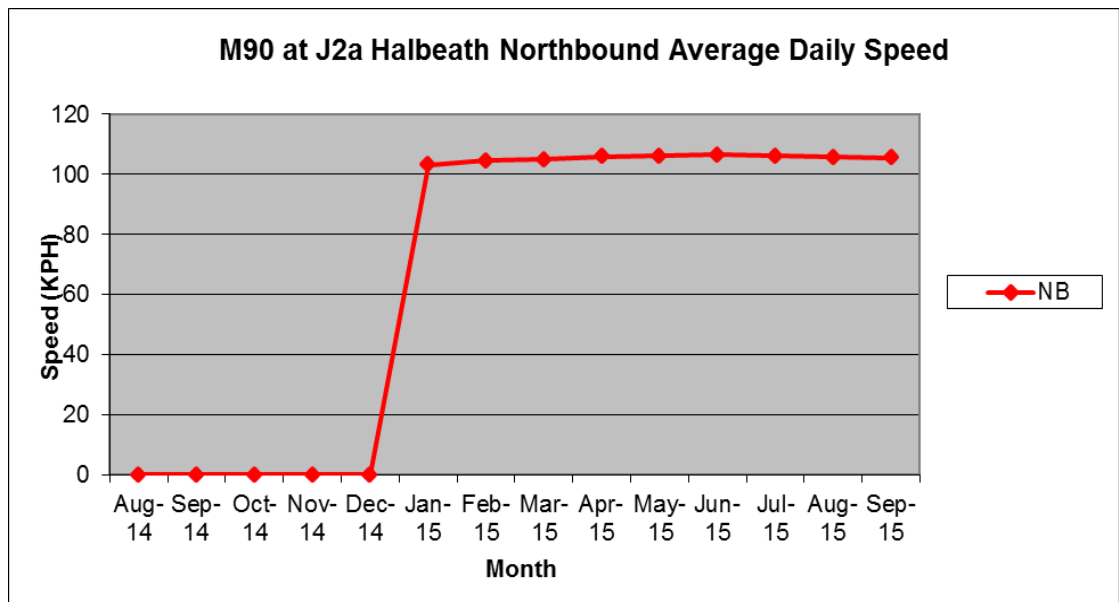
Figure 3-178 Monthly HGV Traffic Flows on the M90 at J2a Halbeath Northbound

### 3.35.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-140 Site: NTC01179 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01179	M90 at J2a Halbeath Northbound	Aug-14	No Data
		Sep-14	No Data
		Oct-14	No Data
		Nov-14	No Data*
		Dec-14	No Data*
		Jan-15	103
		Feb-15	105
		Mar-15	105
		Apr-15	106
		May-15	106
		Jun-15	107
		Jul-15	106
		Aug-15	106
		Sep-15	106

(\*) Mis-classification of vehicles.



**Figure 3-179 Average Monthly Traffic Speeds (KPH) on the M90 at J2a Halbeath Northbound**

### 3.36 Traffic Counter NTC01181 - M90 at J2a Halbeath Southbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison 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.
- Traffic flows follow a similar pattern to the previous monitoring period.

#### 3.36.1 Monthly Average Traffic Flows

**Table 3-141 Site: NTC01181 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01181	M90 at J2a Halbeath Southbound	Aug-11	No Data
		Aug-14	16,649
		Sep-14	16,176
		Oct-14	15,458
		Nov-14	15,283
		Dec-14	13,631
		Jan-15	12,722
		Feb-15	14,457
		Mar-15	14,862
		Apr-15	15,740
		May-15	15,853
		Jun-15	16,093
		Jul-15	16,404
		Aug-15	16,533
		Sep-15	16,180
<b>Annual Average</b>	<b>15,277</b>		

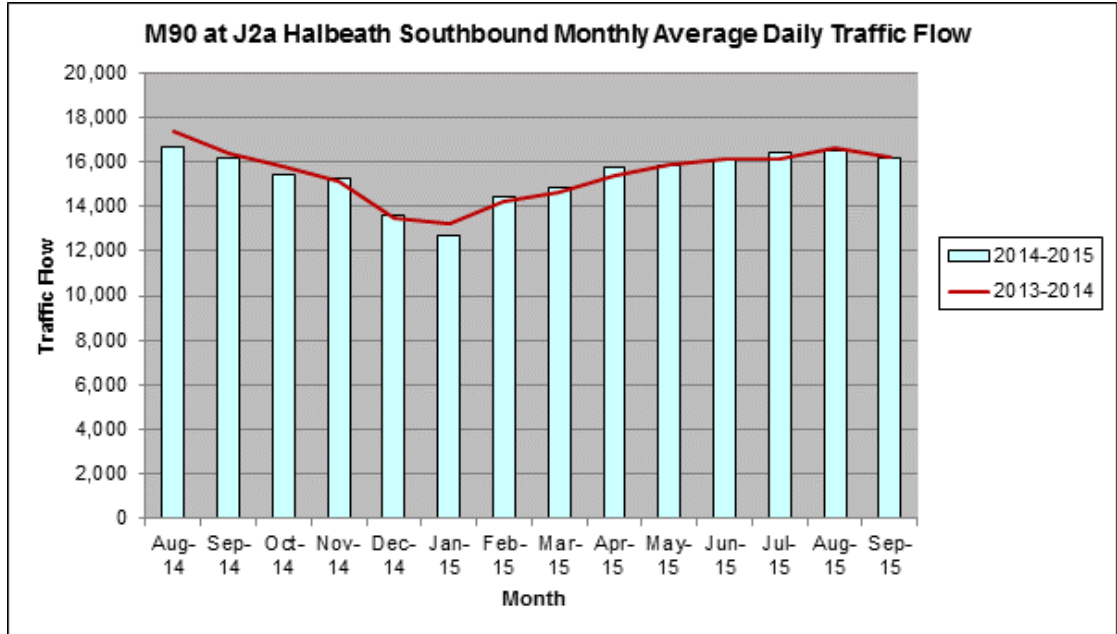


Figure 3-180 Monthly AADTs on the M90 at J2a Halbeath Southbound

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

Table 3-142 Site: NTC01181 Monthly Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01181	M90 at J2a Halbeath Southbound	Aug-11	No Data	No Data
		Aug-14	2,628	3,625
		Sep-14	2,746	3,592
		Oct-14	2,601	3,369
		Nov-14	2,547	3,298
		Dec-14	2,052	2,833
		Jan-15	2,038	2,846
		Feb-15	2,327	3,252
		Mar-15	2,496	3,291
		Apr-15	2,464	3,490
		May-15	2,527	3,438
		Jun-15	2,758	3,383
		Jul-15	2,600	3,416
		Aug-15	2,576	3,510
Sep-15	2,629	3,508		
	<b>Annual Average</b>	<b>2,482</b>	<b>3,319</b>	

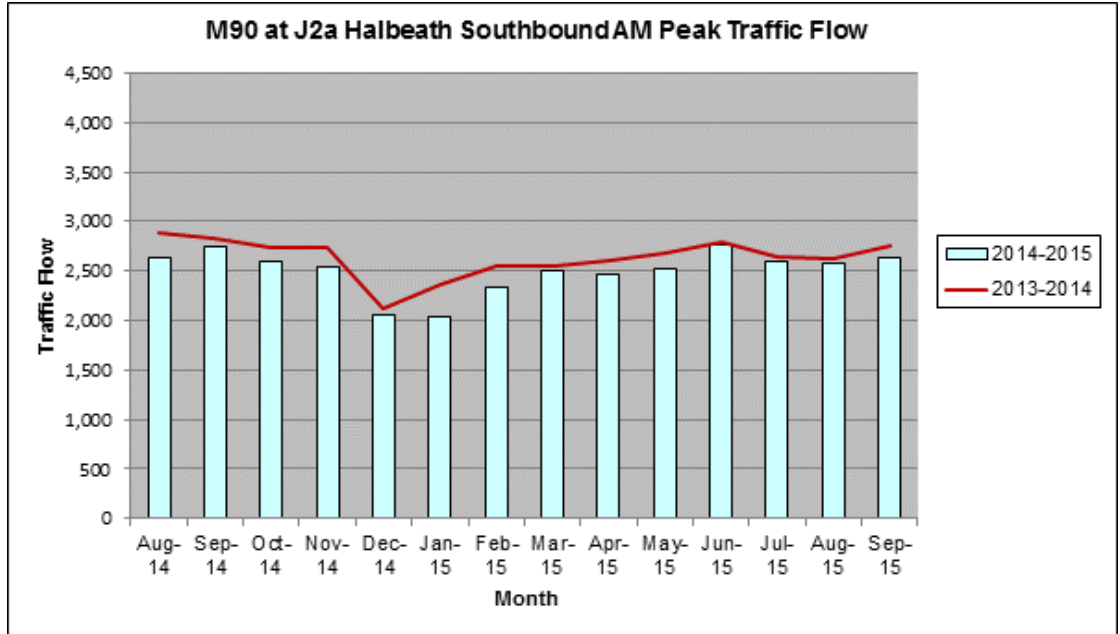


Figure 3-181 Monthly AM Peak Flows on the M90 at J2a Halbeath Southbound

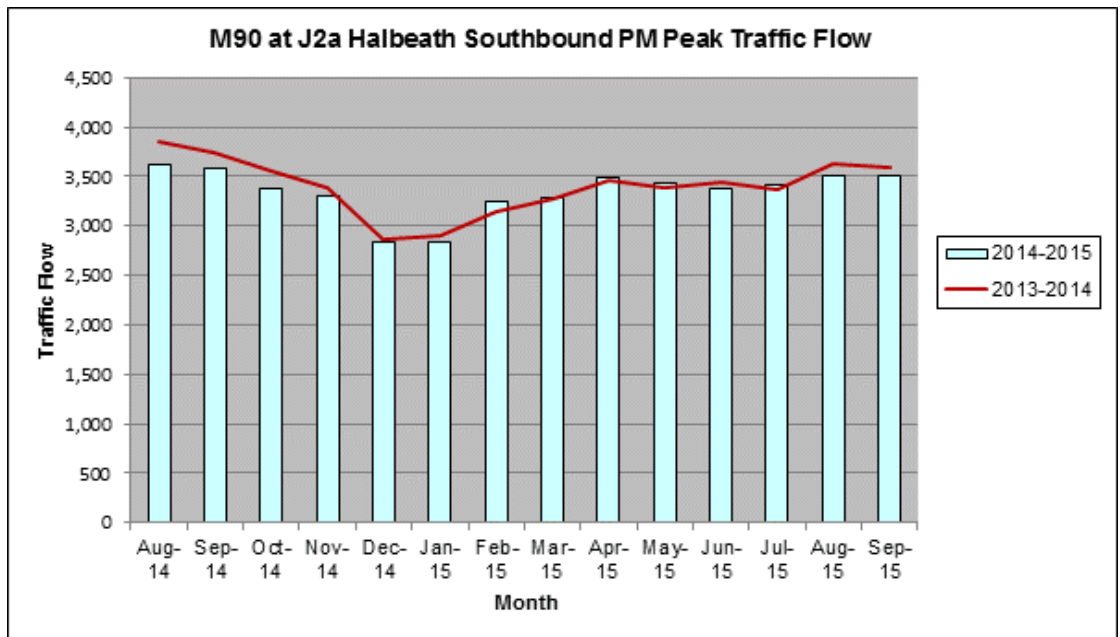


Figure 3-182 Monthly PM Peak Flows on the M90 at J2a Halbeath Southbound

### 3.36.3 Monthly Average HGV Flows

Table 3-143 Site: NTC01181 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTC01181	M90 at J2a Halbeath Southbound	Aug-11	No Data
		Aug-14	1,147
		Sep-14	1,213
		Oct-14	1,144
		Nov-14	1,259
		Dec-14	1,110
		Jan-15	1,023
		Feb-15	1,190
		Mar-15	1,244
		Apr-15	1,183
		May-15	1,099
		Jun-15	1,330
		Jul-15	1,357
		Aug-15	1,364
		Sep-15	1,410
		<b>Annual Average</b>	<b>1,192</b>

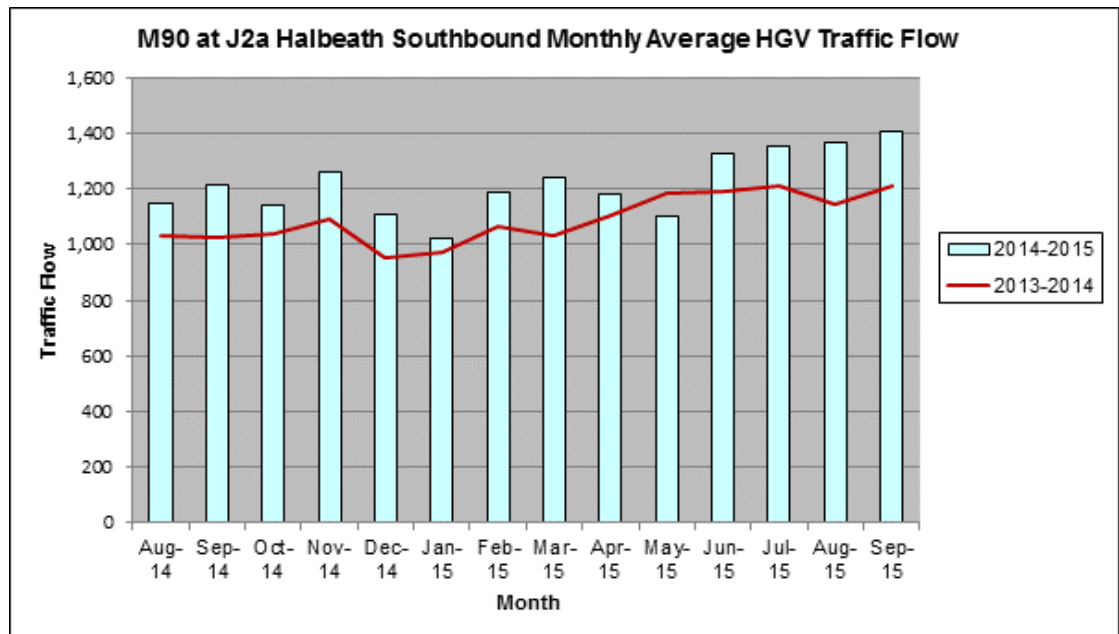
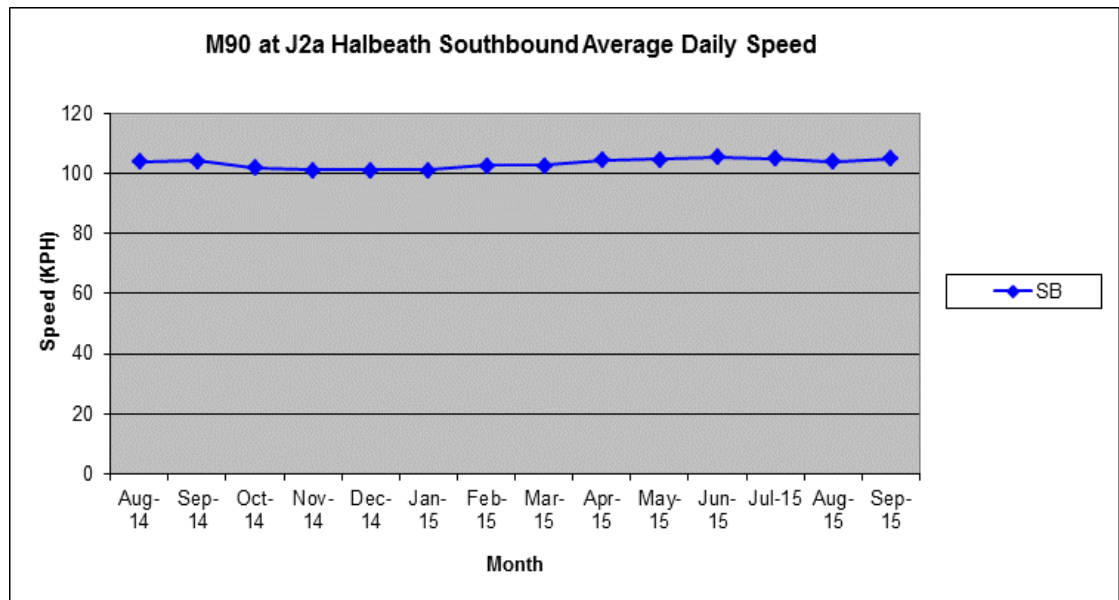


Figure 3-183 Monthly HGV Traffic Flows on the M90 at J2a Halbeath Southbound

### 3.36.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-144 Site: NTC01181 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01181	M90 at J2a Halbeath Southbound	Aug-14	104
		Sep-14	104
		Oct-14	102
		Nov-14	101
		Dec-14	101
		Jan-15	101
		Feb-15	103
		Mar-15	103
		Apr-15	105
		May-15	105
		Jun-15	105
		Jul-15	105
		Aug-15	104
		Sep-15	105



**Figure 3-184 Average Monthly Traffic Speeds (KPH) on the M90 at J2a Halbeath Southbound**



### 3.37 Traffic Counter NTC01248 - M9 East of J1a (Lanes to M9 Spur) Westbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows are indicative of typical seasonal variation; with lower flows in December 2014 to February 2015, and higher flows over the summer months.

#### 3.37.1 Monthly Average Traffic Flows

*Table 3-145 Site: NTC01248 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	WB
NTC01248	M9 East of J1a (Lanes to M9 Spur) Westbound	Aug-11	No Data
		Aug-14	19,014
		Sep-14	19,016
		Oct-14	18,523
		Nov-14	17,709
		Dec-14	16,181
		Jan-15	15,445
		Feb-15	17,576
		Mar-15	18,115
		Apr-15	18,930
		May-15	18,899
		Jun-15	19,010
		Jul-15	19,728
		Aug-15	19,446
		Sep-15	19,194
	<b>Annual Average</b>	<b>18,179</b>	

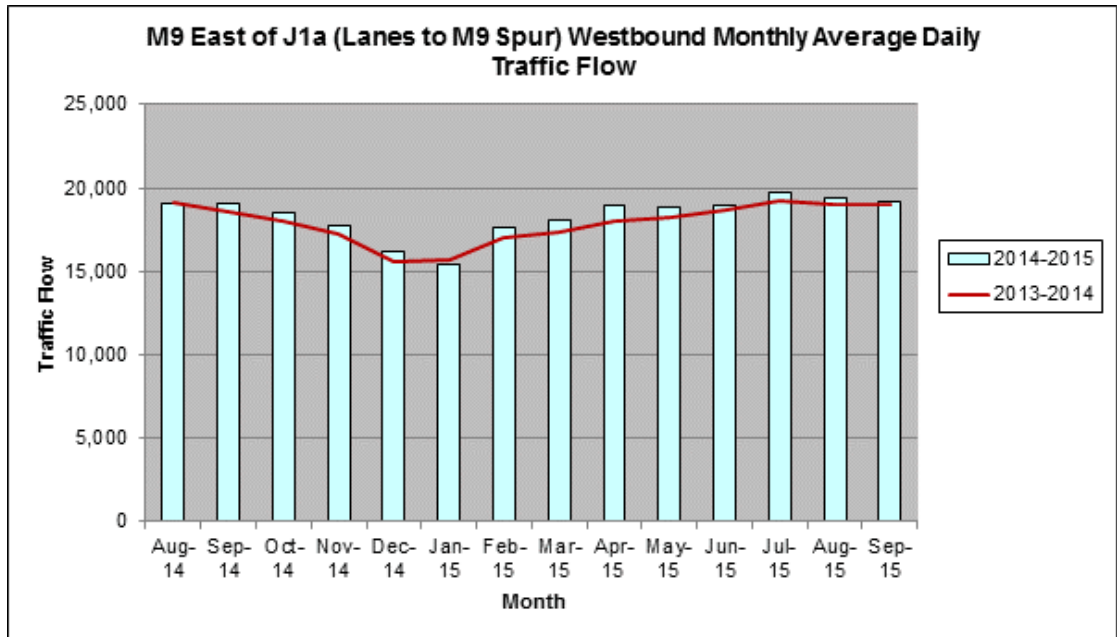


Figure 3-185 Monthly AADTs on the M9 East of J1a (Lanes to M9 Spur) Westbound

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

Table 3-146 Site: NTC01248 Monthly Westbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01248	M9 East of J1a (Lanes to M9 Spur) Westbound	Aug-11	No Data	No Data
		Aug-14	3,166	4,094
		Sep-14	3,365	4,144
		Oct-14	3,177	4,113
		Nov-14	2,991	4,085
		Dec-14	2,501	3,657
		Jan-15	2,568	3,765
		Feb-15	2,966	4,132
		Mar-15	3,081	4,195
		Apr-15	3,084	4,215
		May-15	3,034	4,274
		Jun-15	3,109	4,172
		Jul-15	3,235	4,225
		Aug-15	3,124	4,104
		Sep-15	3,187	4,048
	<b>Annual Average</b>	<b>3,023</b>	<b>4,089</b>	

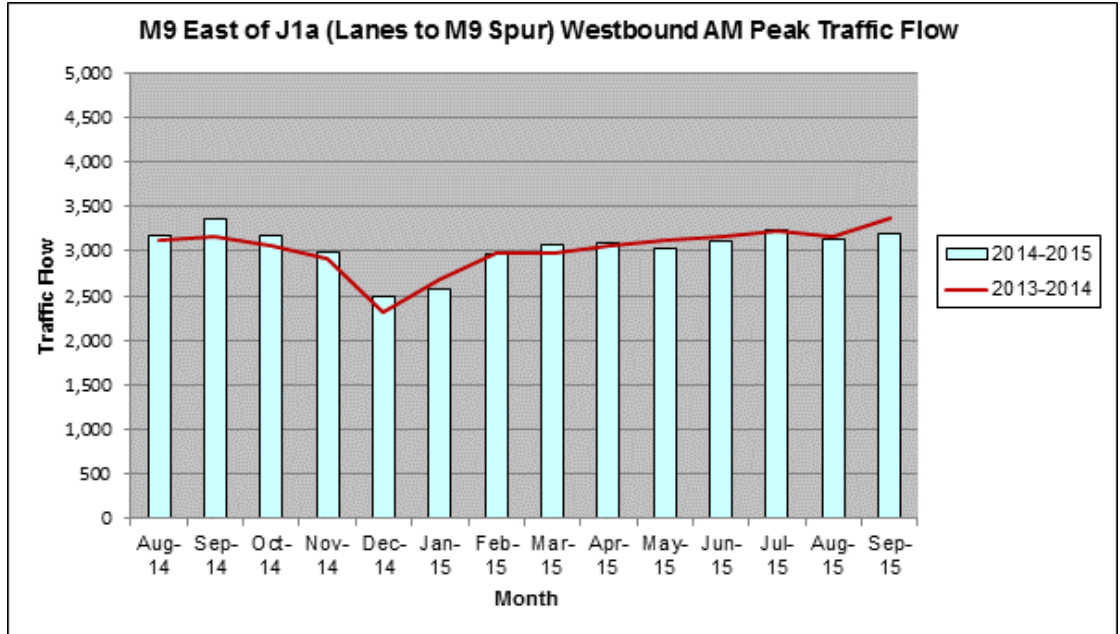


Figure 3-186 Monthly AM Peak Flows on the M9 East of J1a (Lanes to M9 Spur) Westbound

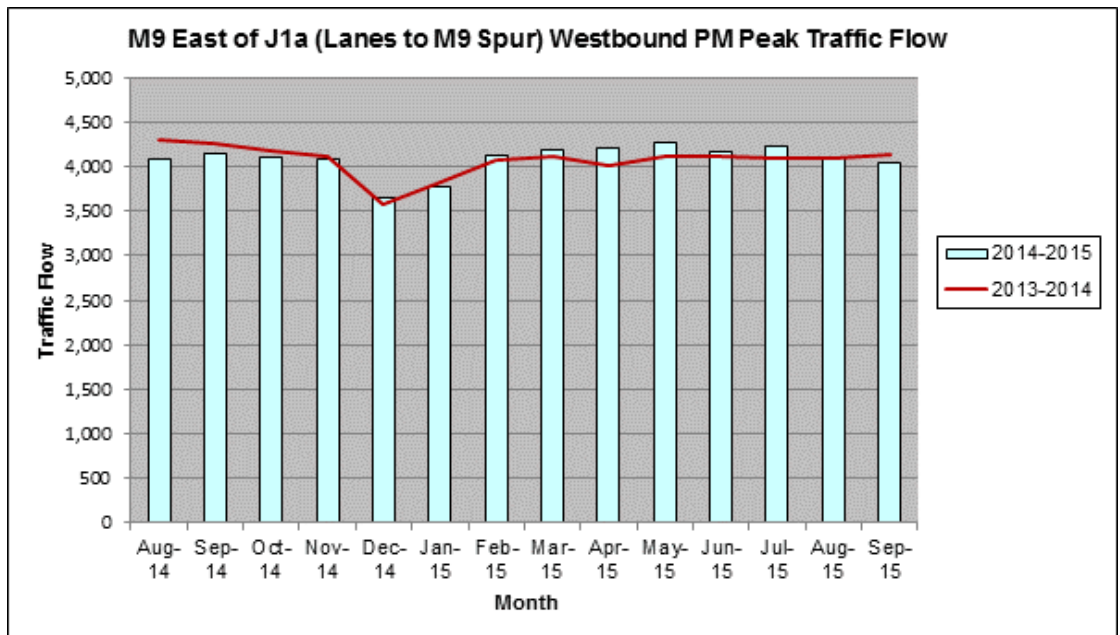


Figure 3-187 Monthly PM Peak Flows on the M9 East of J1a (Lanes to M9 Spur) Westbound

### 3.37.3 Monthly Average HGV Flows

Table 3-147 Site: NTC01248 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	WB
NTC01248	M9 East of J1a (Lanes to M9 Spur) Westbound	Aug-11	No Data
		Aug-14	1,412
		Sep-14	1,539
		Oct-14	1,429
		Nov-14	1,396
		Dec-14	1,179
		Jan-15	1,114
		Feb-15	1,371
		Mar-15	1,362
		Apr-15	1,427
		May-15	1,374
		Jun-15	1,415
		Jul-15	1,430
		Aug-15	1,394
		Sep-15	1,515
		<b>Annual Average</b>	<b>1,371</b>

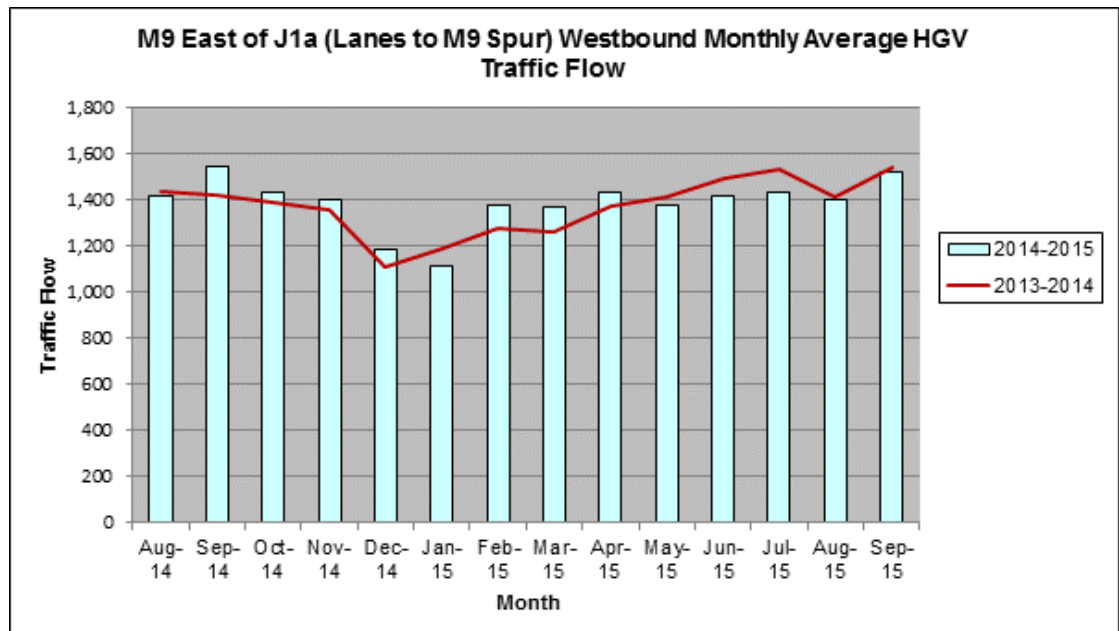
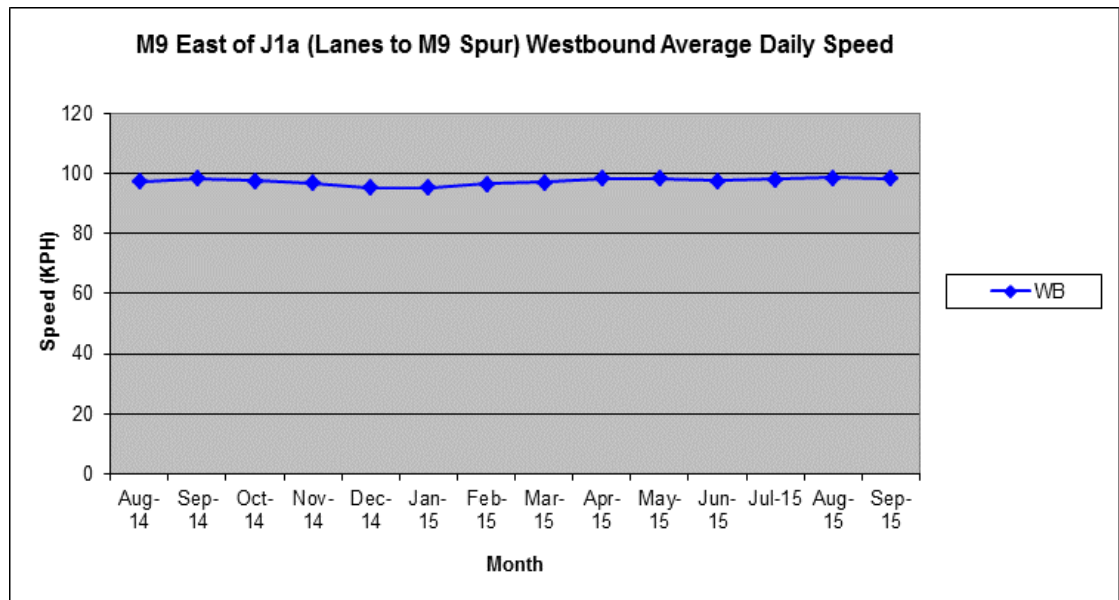


Figure 3-188 Monthly HGV Traffic Flows on the M9 East of J1a (Lanes to M9 Spur) Westbound

### 3.37.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-148 Site: NTC01248 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	WB
NTC01248	M9 East of J1a (Lanes to M9 Spur) Westbound	Aug-14	97
		Sep-14	98
		Oct-14	97
		Nov-14	97
		Dec-14	95
		Jan-15	95
		Feb-15	97
		Mar-15	97
		Apr-15	98
		May-15	98
		Jun-15	98
		Jul-15	98
		Aug-15	99
		Sep-15	98



**Figure 3-189 Average Monthly Traffic Speeds (KPH) on the M9 East of J1a (Lanes to M9 Spur) Westbound**

### 3.38 Traffic Counter NTC01249 - M9 East of J1a (Main Carriageway) Westbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows are relatively consistent throughout the year however they do show some degree of seasonal variation; with lower flows in January and higher flows in the summer months.
- HGV flows peak in June 2015 and July 2015.

#### 3.38.1 Monthly Average Traffic Flows

**Table 3-149 Site: NTC01249 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	WB
NTC01249	M9 East of J1a (Main Carriageway) Westbound	Aug-11	No Data
		Aug-14	13,269
		Sep-14	13,385
		Oct-14	13,340
		Nov-14	12,839
		Dec-14	11,452
		Jan-15	11,653
		Feb-15	12,782
		Mar-15	13,338
		Apr-15	13,081
		May-15	13,180
		Jun-15	14,484
		Jul-15	13,845
		Aug-15	13,966
Sep-15	14,104		
	<b>Annual Average</b>	<b>13,054</b>	

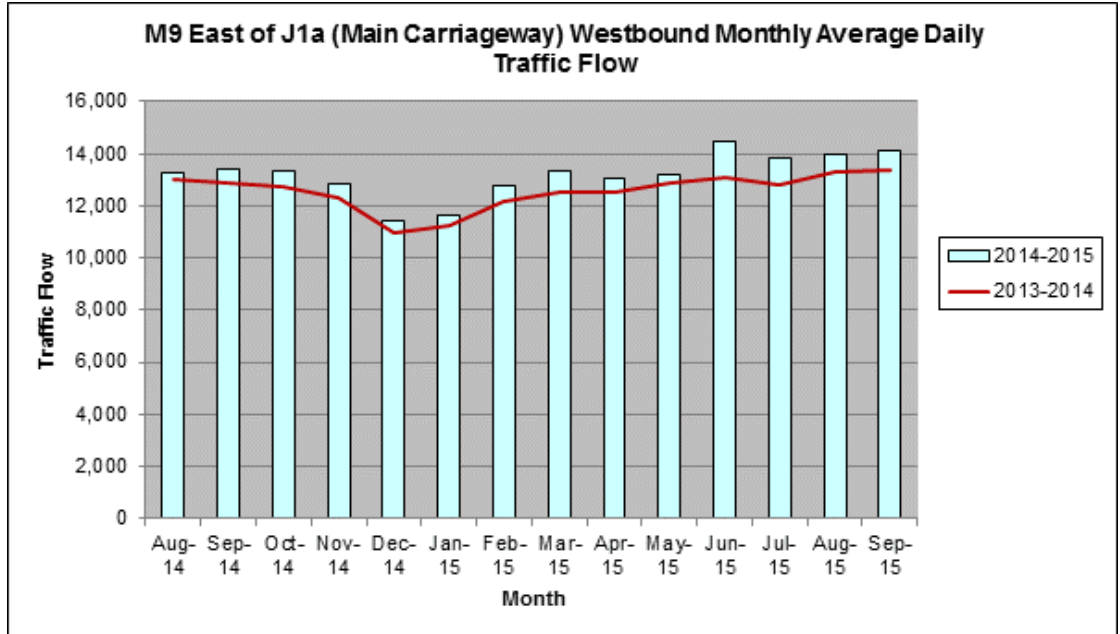


Figure 3-190 Monthly AADTs on the M9 East of J1a (Main Carriageway) Westbound

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

Table 3-150 Site: NTC01249 Monthly Westbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01249	M9 East of J1a (Main Carriageway) Westbound	Aug-11	No Data	No Data
		Aug-14	1,848	3,860
		Sep-14	2,023	4,018
		Oct-14	1,923	4,099
		Nov-14	1,802	3,903
		Dec-14	1,518	3,249
		Jan-15	1,663	3,675
		Feb-15	1,806	4,066
		Mar-15	1,924	4,158
		Apr-15	1,834	3,879
		May-15	1,840	3,881
		Jun-15	1,988	4,334
		Jul-15	1,882	4,086
		Aug-15	1,896	4,072
Sep-15	2,010	4,284		
	<b>Annual Average</b>	<b>1,838</b>	<b>3,934</b>	

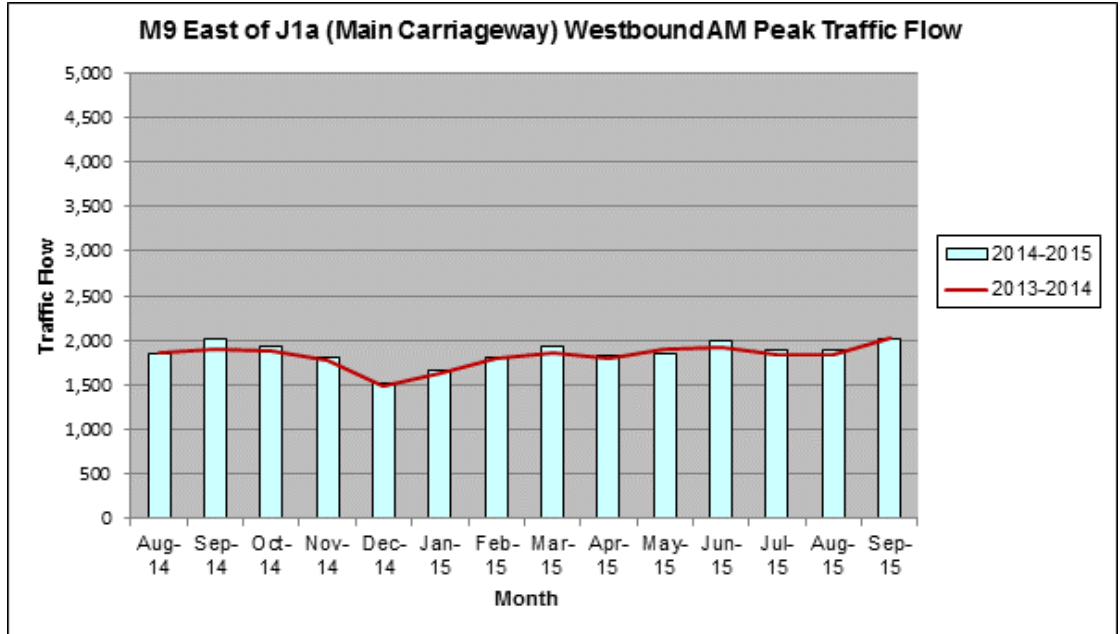


Figure 3-191 Monthly AM Peak Flows on the M9 East of J1a (Main Carriageway) Westbound

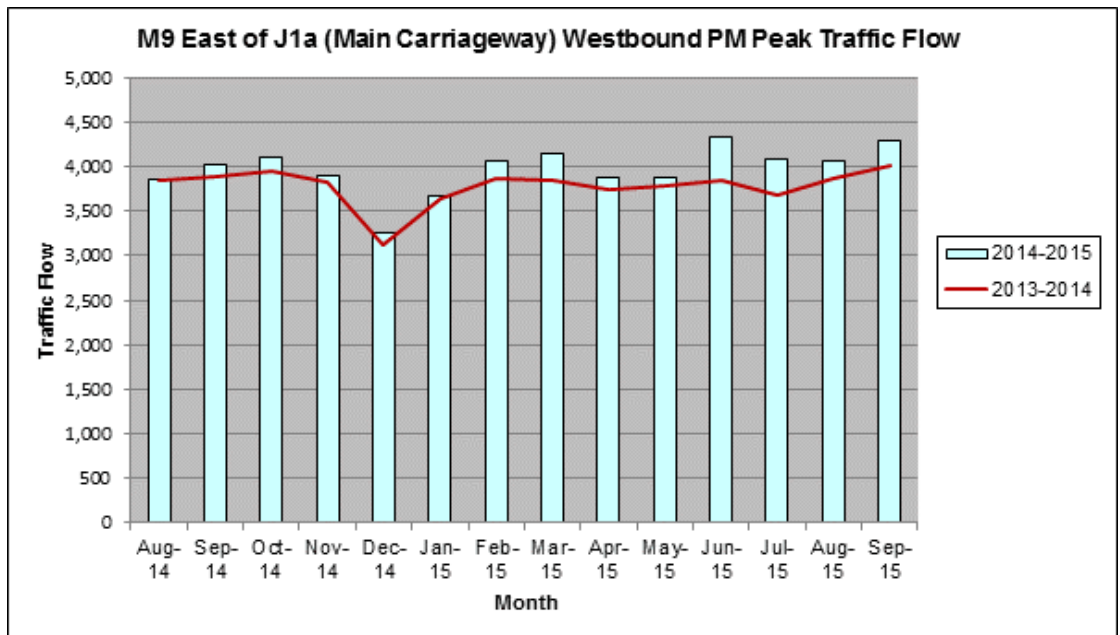


Figure 3-192 Monthly PM Peak Flows on the M9 East of J1a (Main Carriageway) Westbound



### 3.38.3 Monthly Average HGV Flows

Table 3-151 Site: NTC01249 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	WB
NTC01249	M9 East of J1a (Main Carriageway) Westbound	Aug-11	No Data
		Aug-14	593
		Sep-14	631
		Oct-14	615
		Nov-14	558
		Dec-14	554
		Jan-15	582
		Feb-15	561
		Mar-15	642
		Apr-15	603
		May-15	578
		Jun-15	741
		Jul-15	762
		Aug-15	590
		Sep-15	618
		<b>Annual Average</b>	<b>618</b>

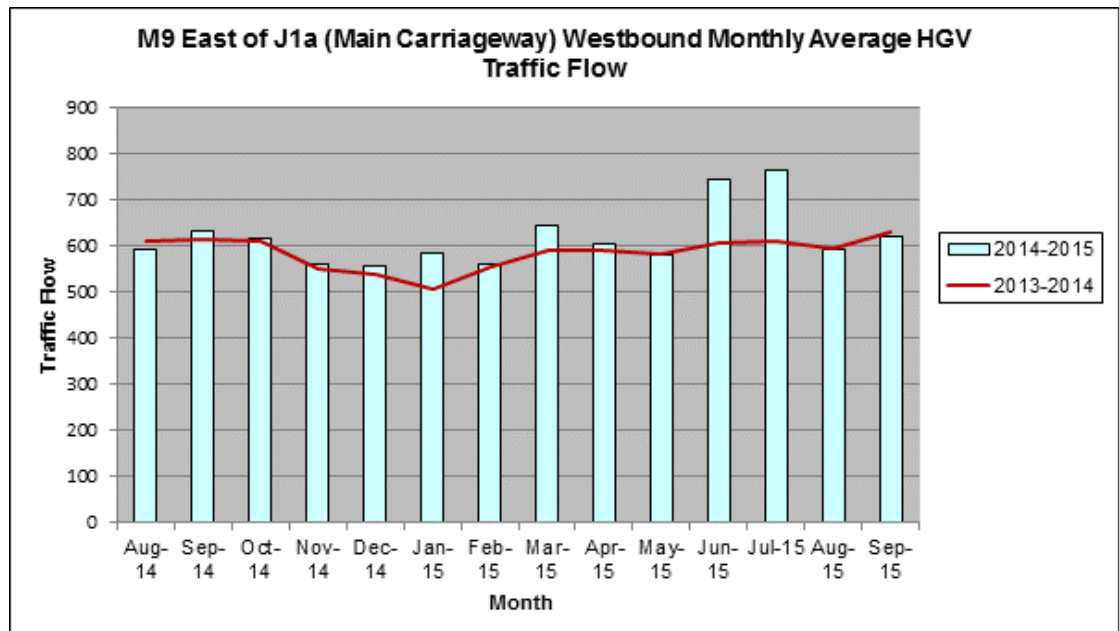
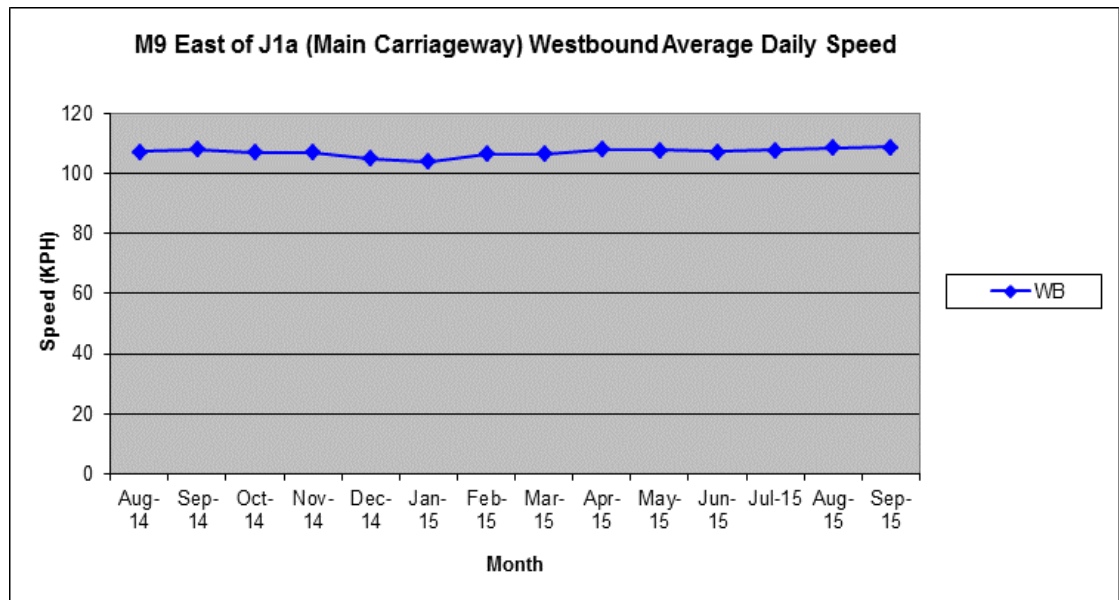


Figure 3-193 Monthly HGV Traffic Flows on the M9 East of J1a (Main Carriageway) Westbound

### 3.38.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-152 Site: NTC01249 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	WB
NTC01249	M9 East of J1a (Main Carriageway) Westbound	Aug-14	107
		Sep-14	108
		Oct-14	107
		Nov-14	107
		Dec-14	105
		Jan-15	104
		Feb-15	107
		Mar-15	106
		Apr-15	108
		May-15	108
		Jun-15	107
		Jul-15	108
		Aug-15	109
		Sep-15	109



**Figure 3-194 Average Monthly Traffic Speeds (KPH) on the M9 East of J1a (Main Carriageway) Westbound**

### 3.39 Traffic Counter NTC01250 - M9 East of J1a (Main Carriageway) Eastbound

Summary of statistics between August 2014 and September 2015:

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

#### 3.39.1 Monthly Average Traffic Flows

**Table 3-153 Site: NTC01250 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01250	M9 East of J1a (Main Carriageway) Eastbound	Aug-11	No Data
		Aug-14	18,678
		Sep-14	18,546
		Oct-14	18,718
		Nov-14	17,752
		Dec-14	16,147
		Jan-15	15,625
		Feb-15	17,375
		Mar-15	18,437
		Apr-15	18,737
		May-15	18,604
		Jun-15	19,247
		Jul-15	18,898
		Aug-15	18,981
Sep-15	19,249		
	<b>Annual Average</b>	<b>18,064</b>	

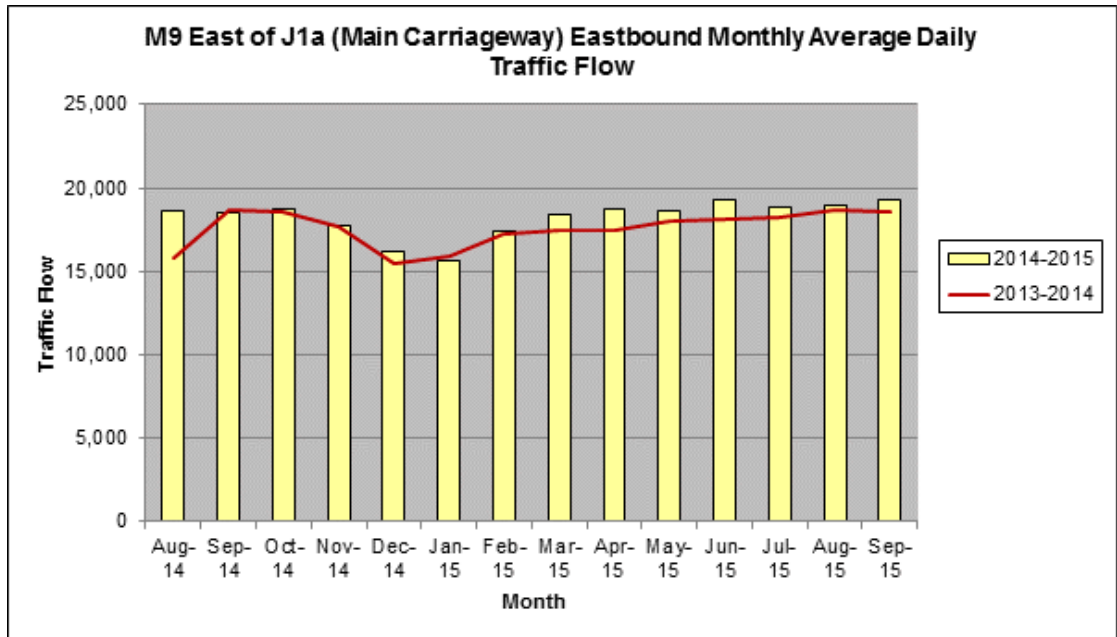


Figure 3-195 Monthly AADTs on the M9 East of J1a (Main Carriageway) Eastbound

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

Table 3-154 Site: NTC01250 Monthly Eastbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01250	M9 East of J1a (Main Carriageway) Eastbound	Aug-11	No Data	No Data
		Aug-14	3,876	3,683
		Sep-14	4,294	3,680
		Oct-14	4,495	3,609
		Nov-14	4,248	3,384
		Dec-14	3,645	2,903
		Jan-15	3,795	3,023
		Feb-15	4,158	3,357
		Mar-15	4,476	3,528
		Apr-15	4,133	3,665
		May-15	4,137	3,589
		Jun-15	4,388	3,642
		Jul-15	4,163	3,573
		Aug-15	4,011	3,681
Sep-15	4,570	3,607		
	<b>Annual Average</b>	<b>4,151</b>	<b>3,470</b>	

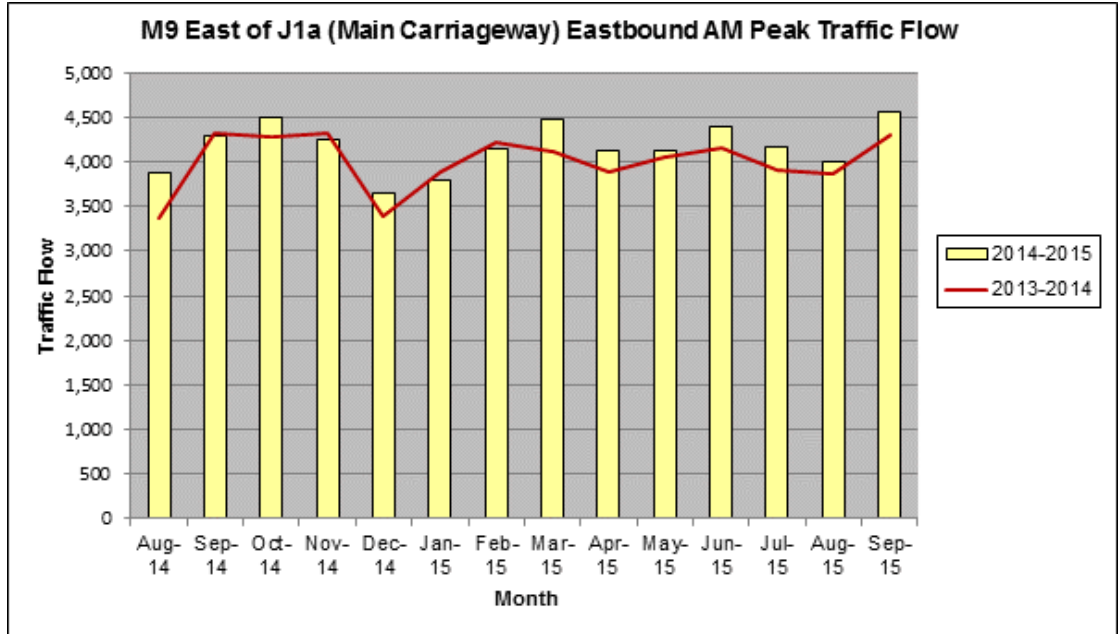


Figure 3-196 Monthly AM Peak Flows on the M9 East of J1a (Main Carriageway) Eastbound

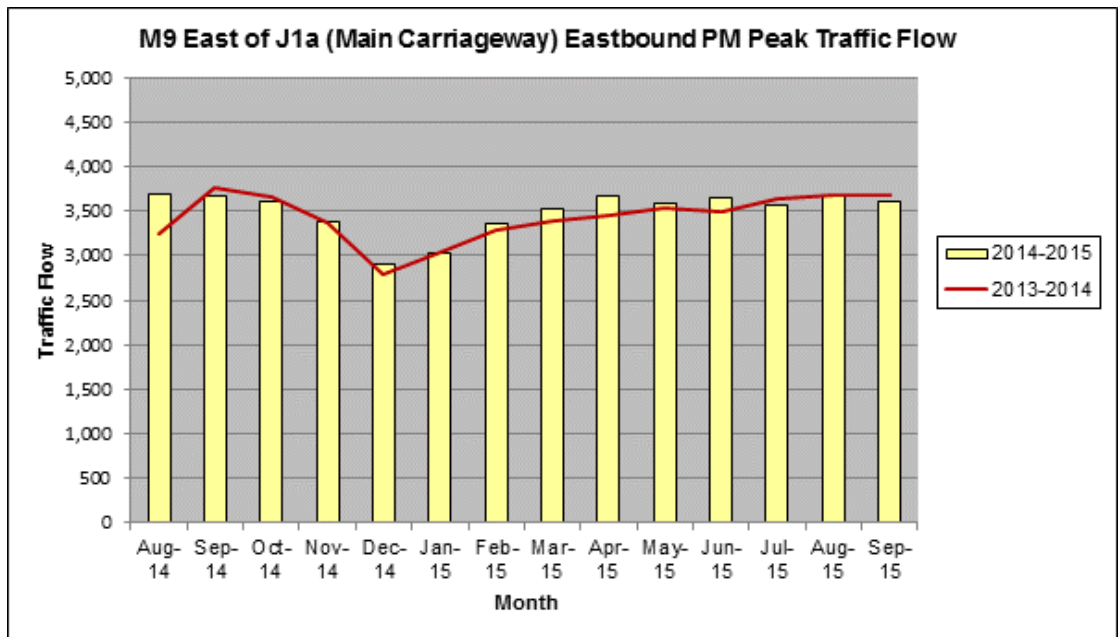


Figure 3-197 Monthly PM Peak Flows on the M9 East of J1a (Main Carriageway) Eastbound

### 3.39.3 Monthly Average HGV Flows

Table 3-155 Site: NTC01250 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	EB
NTC01250	M9 East of J1a (Main Carriageway) Eastbound	Aug-11	No Data
		Aug-14	1,349
		Sep-14	1,433
		Oct-14	1,432
		Nov-14	1,332
		Dec-14	1,215
		Jan-15	1,167
		Feb-15	1,312
		Mar-15	1,398
		Apr-15	1,373
		May-15	1,323
		Jun-15	1,497
		Jul-15	1,427
		Aug-15	1,343
		Sep-15	1,466
		<b>Annual Average</b>	<b>1,355</b>

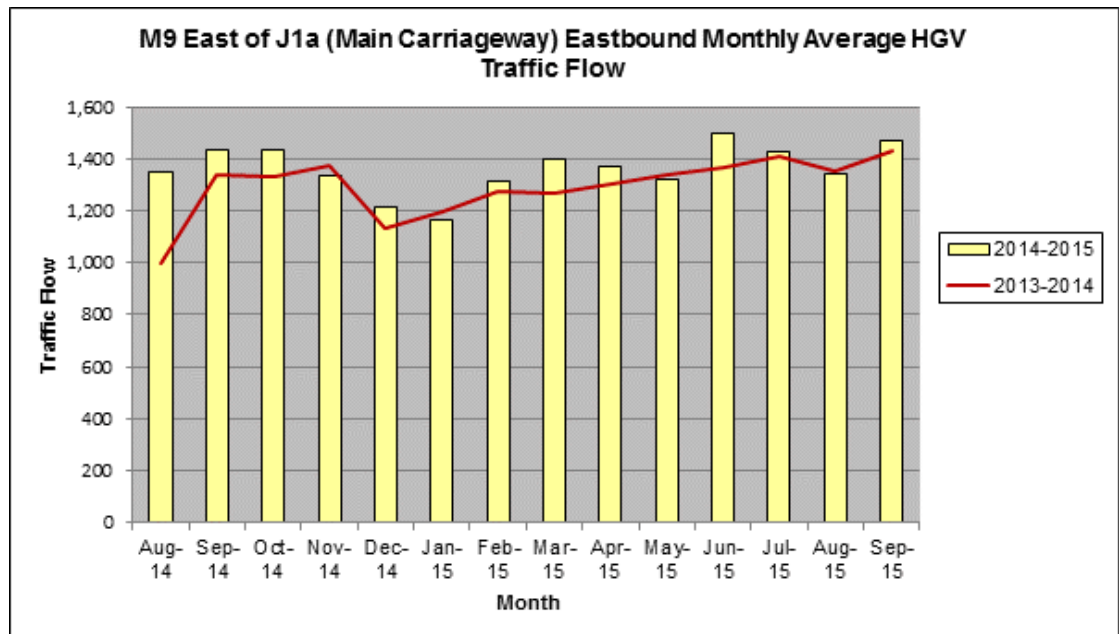
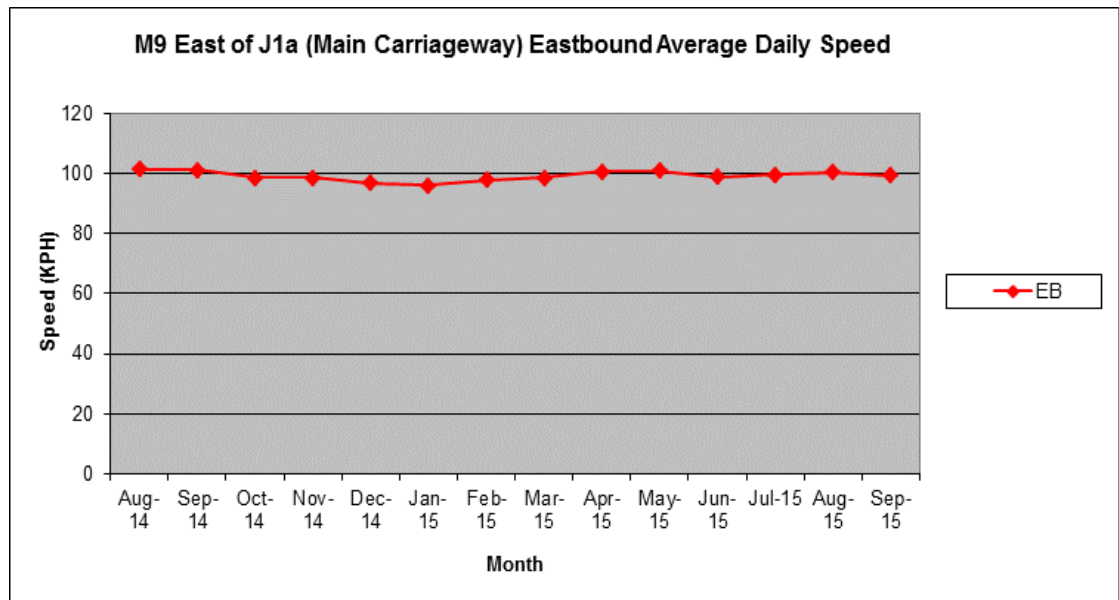


Figure 3-198 Monthly HGV Traffic Flows on the M9 East of J1a (Main Carriageway) Eastbound

### 3.39.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-156 Site: NTC01250 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01250	M9 East of J1a (Main Carriageway) Eastbound	Aug-14	101
		Sep-14	101
		Oct-14	99
		Nov-14	99
		Dec-14	97
		Jan-15	96
		Feb-15	98
		Mar-15	99
		Apr-15	101
		May-15	101
		Jun-15	99
		Jul-15	100
		Aug-15	100
		Sep-15	99



**Figure 3-199 Average Monthly Traffic Speeds (KPH) on the M9 East of J1a (Main Carriageway) Eastbound**

### 3.40 Traffic Counter NTC01251 - M9 East of J1a (Lanes to Newbridge) Eastbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Traffic flows are relatively consistent throughout the year however they do show some degree of seasonal variation; with lower flows in December 2014 to February 2015 and higher flows in the summer months.
- Traffic flows follow a similar pattern to the previous monitoring period.

#### 3.40.1 Monthly Average Traffic Flows

**Table 3-157 Site: NTC01251 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01251	M9 East of J1a (Lanes to Newbridge) Eastbound	Aug-11	No Data
		Aug-14	14,086
		Sep-14	14,047
		Oct-14	13,785
		Nov-14	12,849
		Dec-14	11,935
		Jan-15	11,412
		Feb-15	12,510
		Mar-15	13,281
		Apr-15	13,834
		May-15	13,990
		Jun-15	14,323
		Jul-15	14,715
		Aug-15	14,681
		Sep-15	14,655
	<b>Annual Average</b>	<b>13,397</b>	



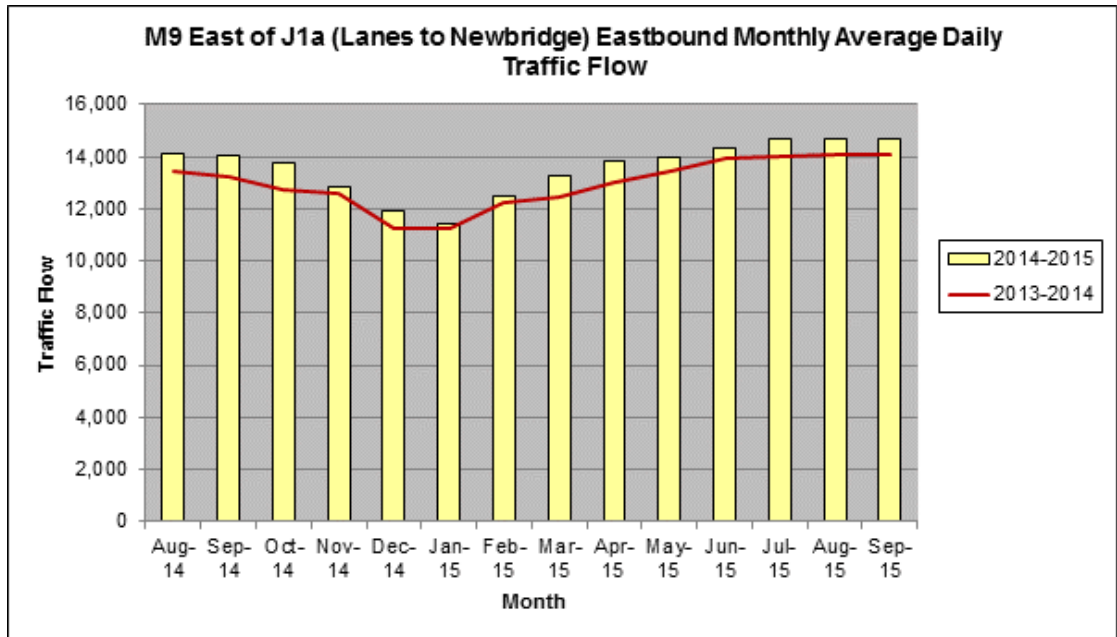


Figure 3-200 Monthly AADTs on the M9 East of J1a (Lanes to Newbridge) Eastbound

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

Table 3-158 Site: NTC01251 Monthly Eastbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01251	M9 East of J1a (Lanes to Newbridge) Eastbound	Aug-11	No Data	No Data
		Aug-14	3,222	2,494
		Sep-14	3,370	2,508
		Oct-14	3,365	2,453
		Nov-14	3,206	2,283
		Dec-14	2,860	2,004
		Jan-15	2,859	1,995
		Feb-15	3,068	2,193
		Mar-15	3,344	2,313
		Apr-15	3,206	2,478
		May-15	3,190	2,403
		Jun-15	3,289	2,470
		Jul-15	3,186	2,533
		Aug-15	3,119	2,641
		Sep-15	3,289	2,623
	<b>Annual Average</b>	<b>3,181</b>	<b>2,344</b>	

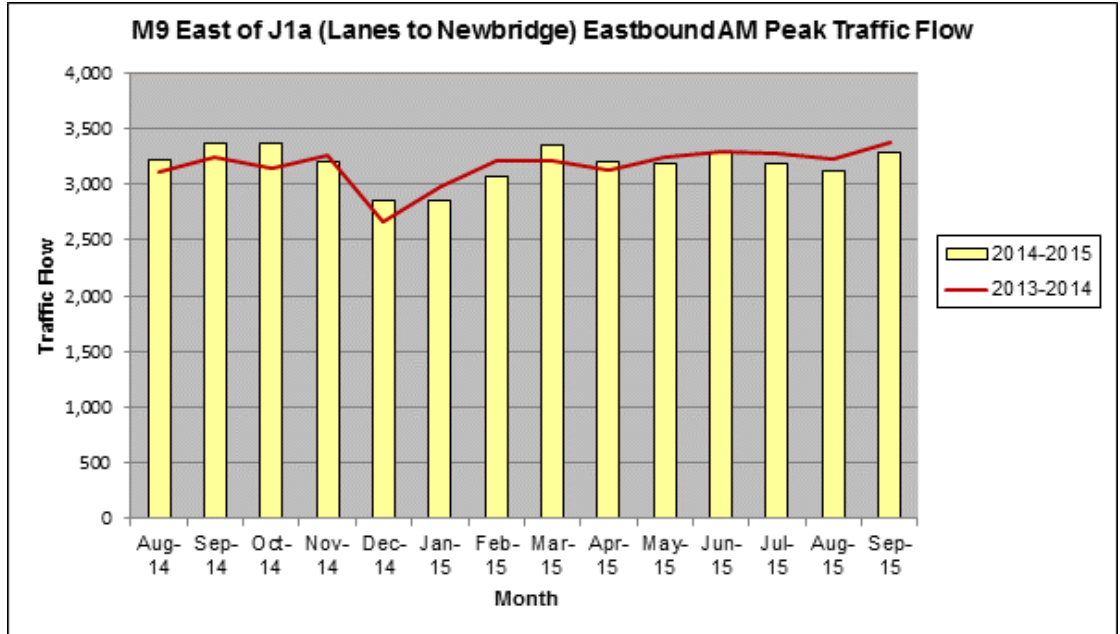


Figure 3-201 Monthly AM Peak Flows on the M9 East of J1a (Lanes to Newbridge) Eastbound

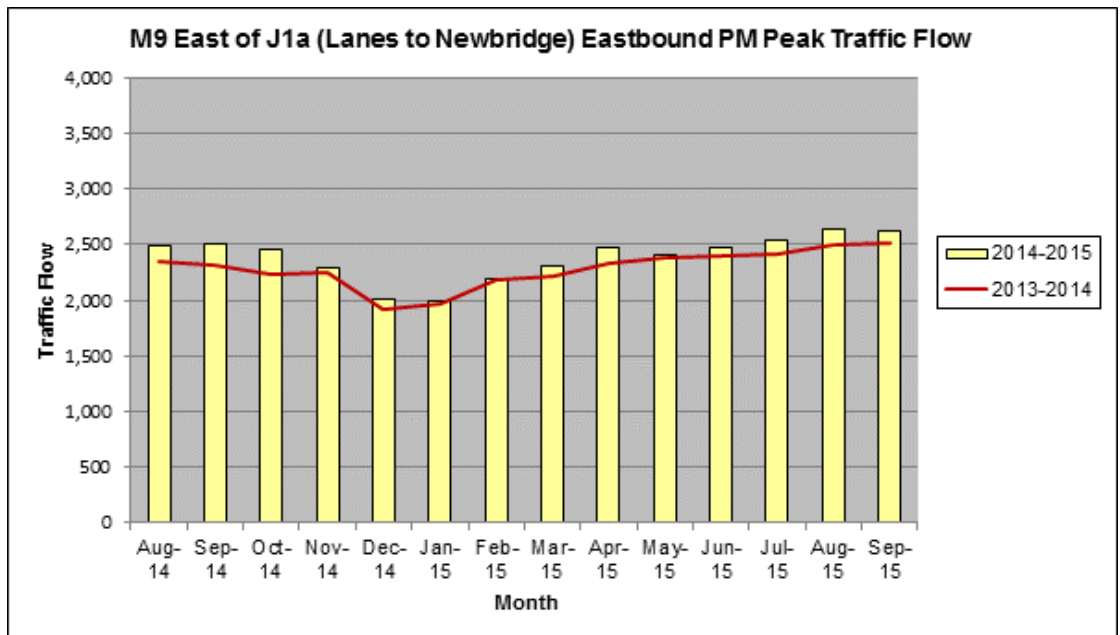


Figure 3-202 Monthly PM Peak Flows on the M9 East of J1a (Lanes to Newbridge) Eastbound

### 3.40.3 Monthly Average HGV Flows

Table 3-159 Site: NTC01251 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	EB
NTC01251	M9 East of J1a (Lanes to Newbridge) Eastbound	Aug-11	No Data
		Aug-14	568
		Sep-14	601
		Oct-14	591
		Nov-14	542
		Dec-14	494
		Jan-15	489
		Feb-15	526
		Mar-15	547
		Apr-15	544
		May-15	541
		Jun-15	647
		Jul-15	667
		Aug-15	569
		Sep-15	628
		<b>Annual Average</b>	<b>563</b>

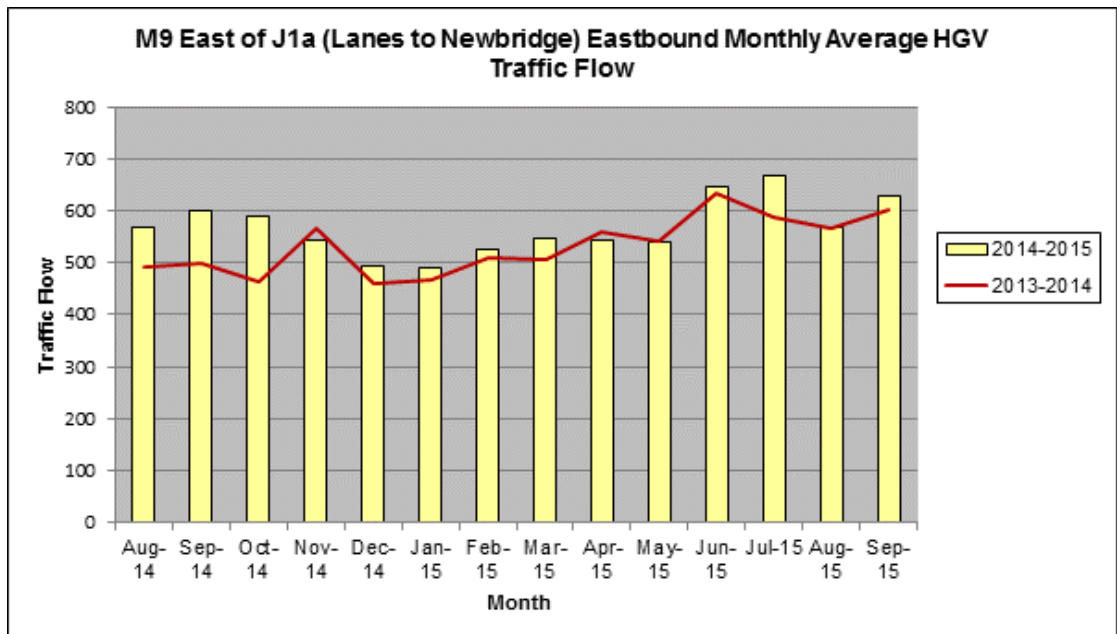
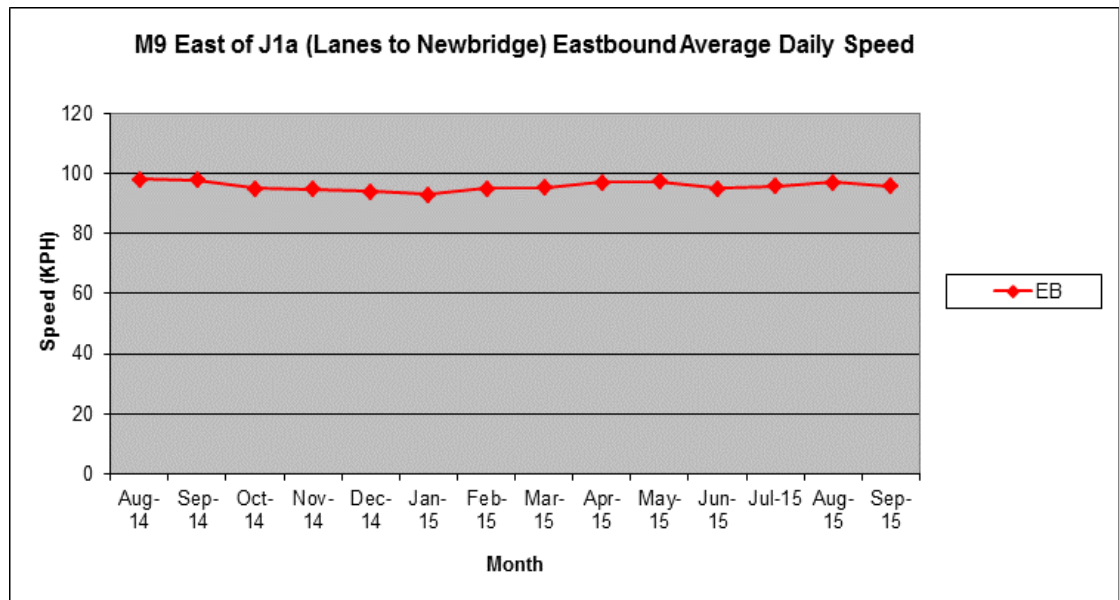


Figure 3-203 Monthly HGV Traffic Flows on the M9 East of J1a (Lanes to Newbridge) Eastbound

### 3.40.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-160 Site: NTC01251 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	EB
NTC01251	M9 East of J1a (Lanes to Newbridge) Eastbound	Aug-14	98
		Sep-14	98
		Oct-14	95
		Nov-14	95
		Dec-14	94
		Jan-15	93
		Feb-15	95
		Mar-15	95
		Apr-15	97
		May-15	97
		Jun-15	95
		Jul-15	96
		Aug-15	97
		Sep-15	96



**Figure 3-204 Average Monthly Traffic Speeds (KPH) on the M9 East of J1a (Lanes to Newbridge) Eastbound**

### 3.41 Traffic Counter NTC01173 - M90 South of J2a Halbeath Southbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Unseasonably low traffic flows have been recorded in March 2015. The same result is observed at counter NTC01174 which is located in the opposite direction.

#### 3.41.1 Monthly Average Traffic Flows

*Table 3-161 Site: NTC01173 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	SB
NTC01173	M90 South of J2a Halbeath Southbound	Aug-11	No Data
		Aug-14	30,456
		Sep-14	29,929
		Oct-14	28,802
		Nov-14	28,131
		Dec-14	25,217
		Jan-15	24,280
		Feb-15	26,483
		Mar-15	14,518
		Apr-15	28,753
		May-15	29,203
		Jun-15	29,986
		Jul-15	30,980
		Aug-15	30,968
		Sep-15	30,357
	<b>Annual Average</b>	<b>27,228</b>	

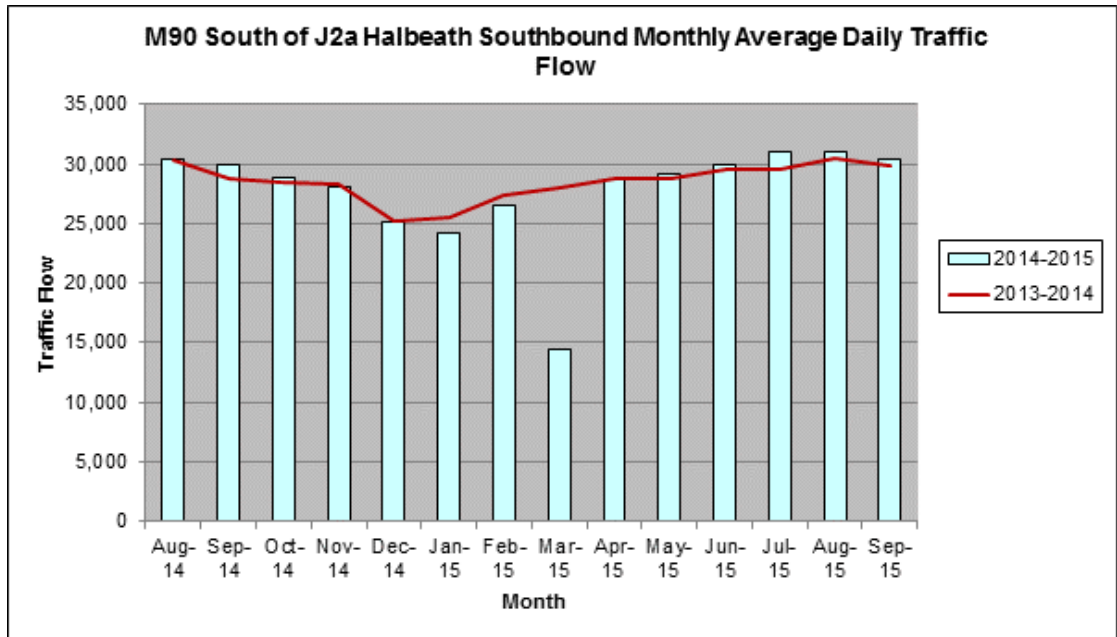


Figure 3-205 Monthly AADTs on the M90 South of J2a Halbeath Southbound

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

Table 3-162 Site: NTC01173 Monthly Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01173	M90 South of J2a Halbeath Southbound	Aug-11	No Data	No Data
		Aug-14	5,387	6,449
		Sep-14	5,745	6,469
		Oct-14	5,464	6,101
		Nov-14	5,249	5,991
		Dec-14	4,310	5,032
		Jan-15	4,381	5,236
		Feb-15	4,844	5,699
		Mar-15	2,578	2,617
		Apr-15	5,048	6,101
		May-15	5,185	6,141
		Jun-15	5,549	6,172
		Jul-15	5,388	6,302
		Aug-15	5,370	6,451
Sep-15	5,476	6,373		
	<b>Annual Average</b>	<b>4,927</b>	<b>5,692</b>	

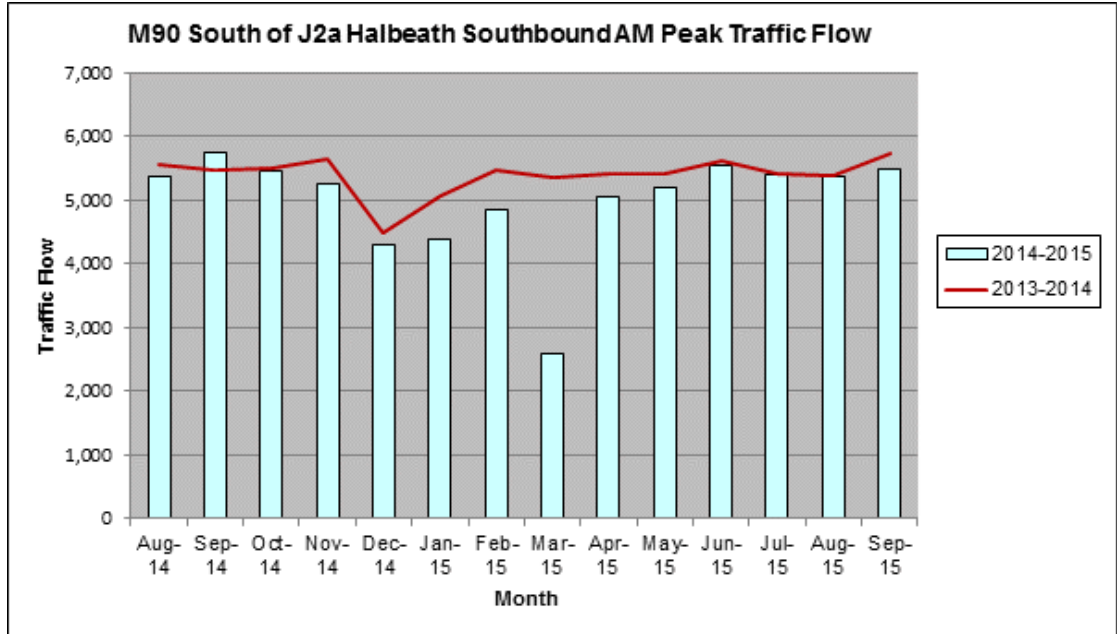


Figure 3-206 Monthly AM Peak Flows on the M90 South of J2a Halbeath Southbound

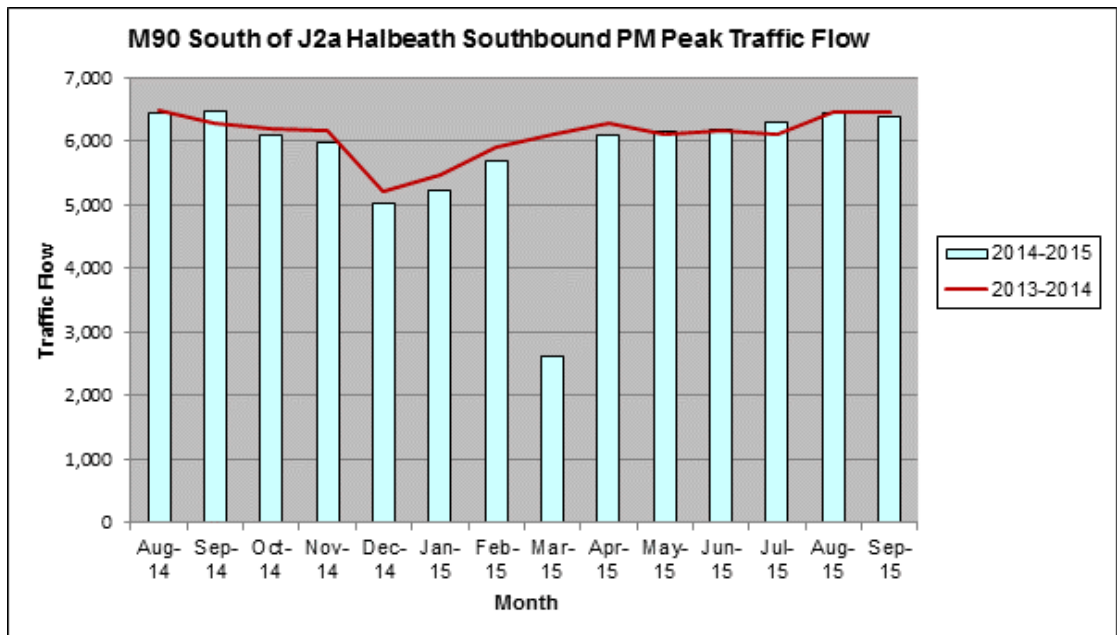


Figure 3-207 Monthly PM Peak Flows on the M90 South of J2a Halbeath Southbound

### 3.41.3 Monthly Average HGV Flows

Table 3-163 Site: NTC01173 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTC01173	M90 South of J2a Halbeath Southbound	Aug-11	No Data
		Aug-14	1,944
		Sep-14	2,101
		Oct-14	2,006
		Nov-14	1,944
		Dec-14	1,726
		Jan-15	1,646
		Feb-15	1,820
		Mar-15	846
		Apr-15	1,917
		May-15	1,860
		Jun-15	2,057
		Jul-15	1,964
		Aug-15	1,919
		Sep-15	2,058
		<b>Annual Average</b>	<b>1,819</b>

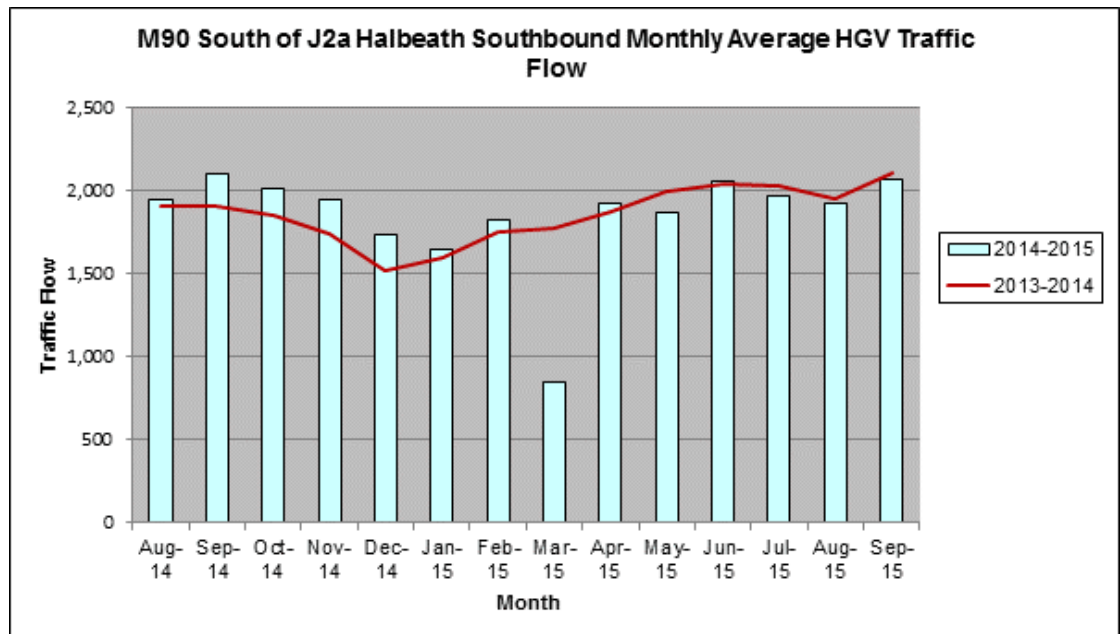


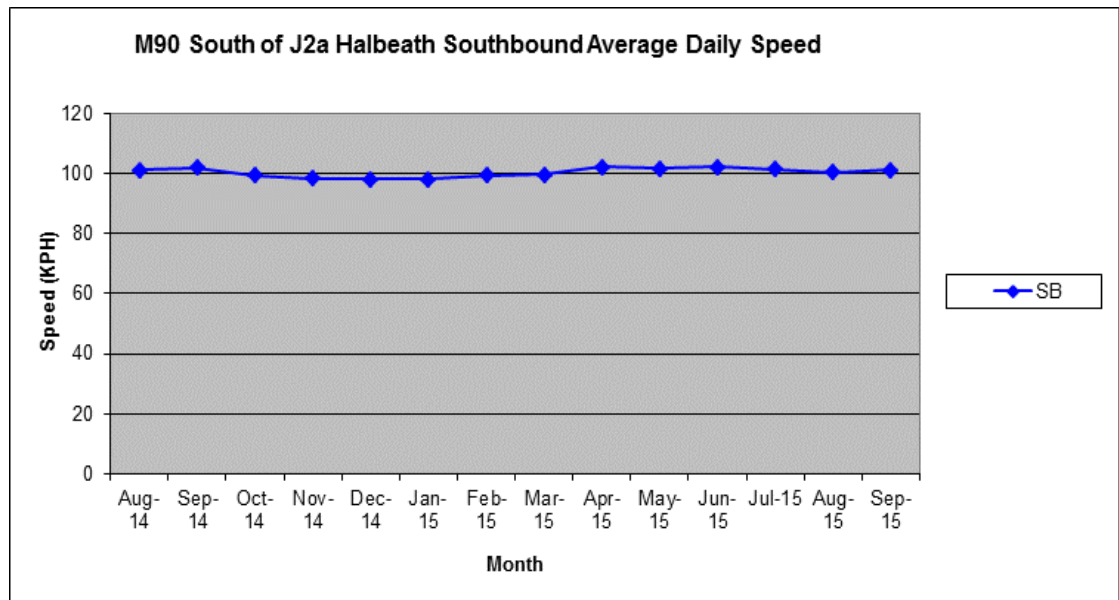
Figure 3-208 Monthly HGV Traffic Flows on the M90 South of J2a Halbeath Southbound



### 3.41.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-164 Site: NTC01173 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
NTC01173	M90 South of J2a Halbeath Southbound	Aug-14	101
		Sep-14	102
		Oct-14	99
		Nov-14	98
		Dec-14	98
		Jan-15	98
		Feb-15	99
		Mar-15	100
		Apr-15	102
		May-15	102
		Jun-15	102
		Jul-15	101
		Aug-15	100
		Sep-15	101



**Figure 3-209 Average Monthly Traffic Speeds (KPH) on the M90 South of J2a Halbeath Southbound**

### 3.42 Traffic Counter NTC01174 - M90 South of J2a Halbeath Northbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline period, therefore comparison cannot be made.
- Unseasonably low traffic flows have been recorded in March 2015. The same result is observed at counter NTC01173 which is located in the opposite direction.
- Whilst we believe that this counter is registering total traffic correctly, there appears to be an error when classifying the data by vehicle class. It is therefore not possible to establish reliable HGV data.

#### 3.42.1 Monthly Average Traffic Flows

**Table 3-165 Site: NTC01174 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01174	M90 South of J2a Halbeath Northbound	Aug-11	No Data
		Aug-14	29,247
		Sep-14	29,064
		Oct-14	27,635
		Nov-14	26,948
		Dec-14	25,562
		Jan-15	24,627
		Feb-15	26,777
		Mar-15	15,204
		Apr-15	28,363
		May-15	28,411
		Jun-15	29,322
		Jul-15	29,796
		Aug-15	29,727
		Sep-15	29,480
	<b>Annual Average</b>	<b>26,746</b>	

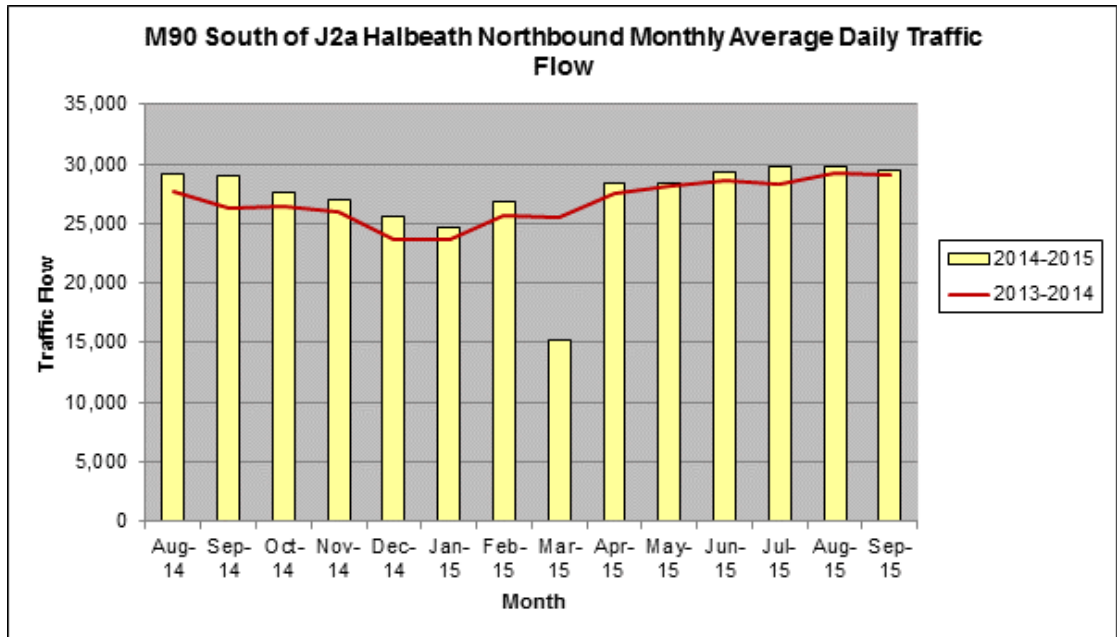


Figure 3-210 Monthly AADTs on the M90 South of J2a Halbeath Northbound

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

Table 3-166 Site: NTC01174 Monthly Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTC01174	M90 South of J2a Halbeath Northbound	Aug-11	No Data	No Data
		Aug-14	4,921	6,853
		Sep-14	5,403	7,039
		Oct-14	4,948	6,761
		Nov-14	4,914	6,760
		Dec-14	4,222	6,081
		Jan-15	4,363	6,343
		Feb-15	4,874	6,838
		Mar-15	2,689	3,603
		Apr-15	4,909	6,803
		May-15	4,926	6,850
		Jun-15	5,168	7,118
		Jul-15	5,160	7,061
		Aug-15	4,952	6,998
Sep-15	5,299	7,141		
	<b>Annual Average</b>	<b>4,708</b>	<b>6,509</b>	

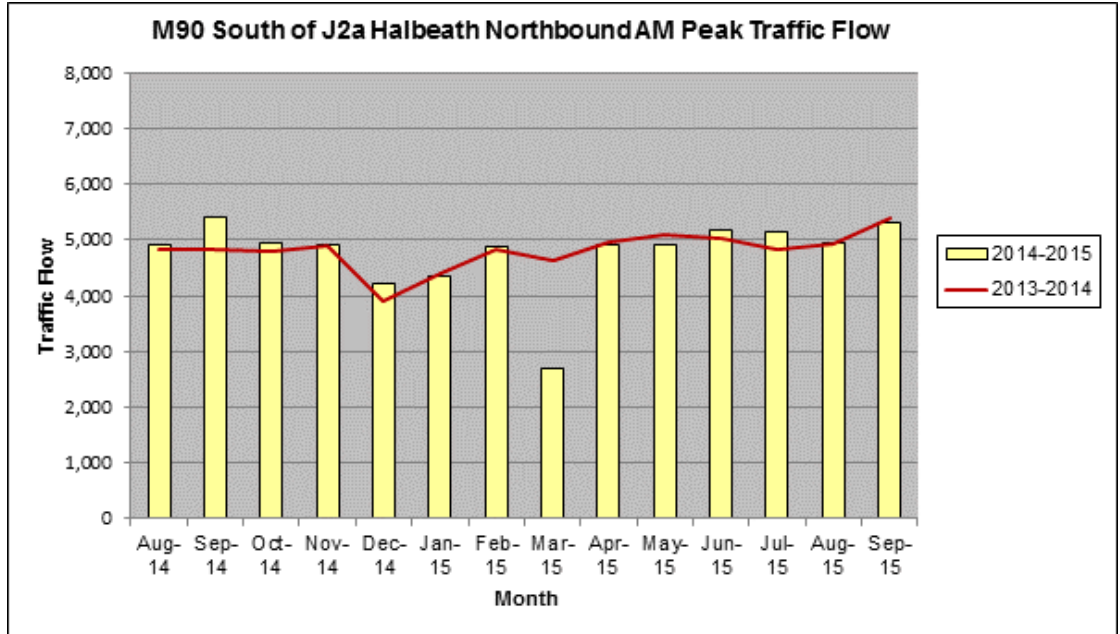


Figure 3-211 Monthly AM Peak Flows on the M90 South of J2a Halbeath Northbound

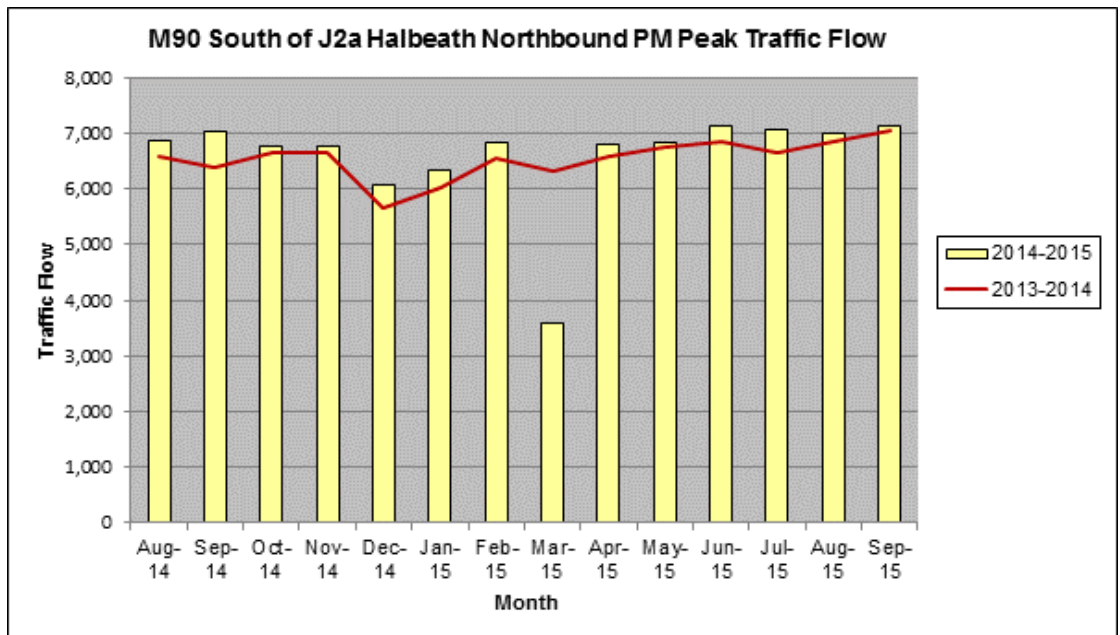


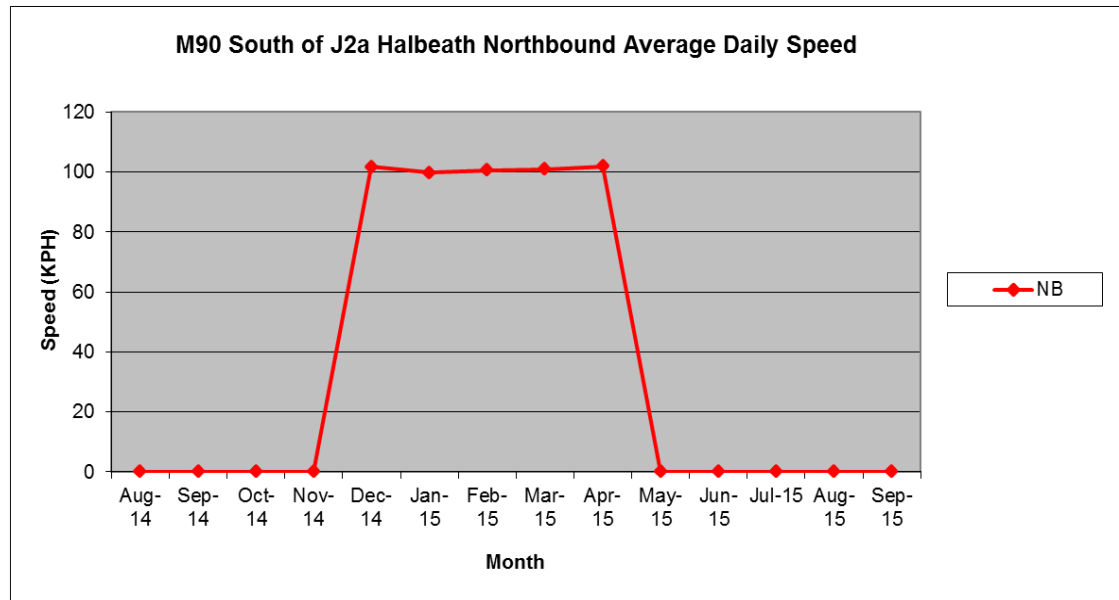
Figure 3-212 Monthly PM Peak Flows on the M90 South of J2a Halbeath Northbound

### 3.42.3 Monthly Average All Vehicles Traffic Speeds

**Table 3-167 Site: NTC01174 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
NTC01174	M90 South of J2a Halbeath Northbound	Aug-14	No Data*
		Sep-14	No Data*
		Oct-14	No Data*
		Nov-14	No Data*
		Dec-14	102
		Jan-15	100
		Feb-15	101
		Mar-15	101
		Apr-15	102
		May-15	No Data*
		Jun-15	No Data*
		Jul-15	No Data*
		Aug-15	No Data*
		Sep-15	No Data*

(\*) Mis-classification of vehicles.



**Figure 3-213 Average Monthly Traffic Speeds (KPH) on the M90 South of J2a Halbeath Northbound**

### 3.43 Traffic Counter JTC00628 - M8 between Junction 2 and 3 Eastbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.

#### 3.43.1 Monthly Average Traffic Flows

Table 3-168 Site: JTC00628 Annual Traffic Flows - August 2014 to September 2015

Counter	Location	Date	EB
JTC00628	M8 Between Junction 2 and 3 Eastbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	No Data
		Oct-14	No Data
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	27,487
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	No Data
		May-15	No Data
		Jun-15	32,909
		Jul-15	32,259
		Aug-15	32,925
		Sep-15	33,330
		<b>Annual Average</b>	<b>30,885</b>

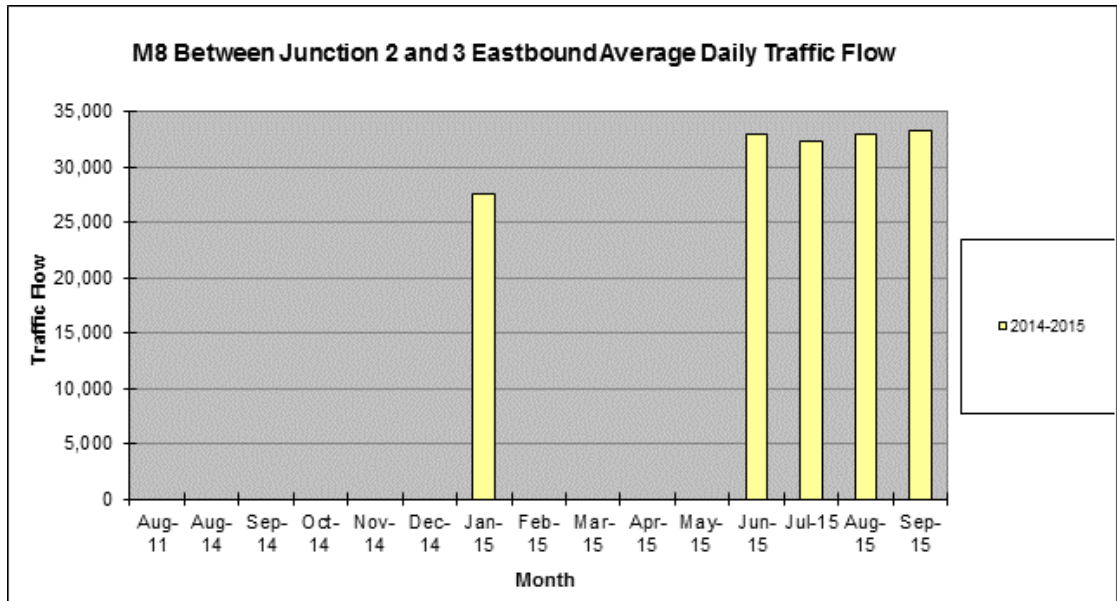


Figure 3-214 Monthly AADTs on the M8 between Junction 2 and 3 Eastbound

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

Table 3-169 Site: JTC00628 Eastbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00628	M8 Between Junction 2 and 3 Eastbound	Aug-11	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	6,290	5,288
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	No Data	No Data
		Jun-15	6,489	4,840
		Jul-15	6,326	4,804
		Aug-15	6,525	5,006
		Sep-15	6,831	4,976
	<b>Annual Average</b>	<b>6,368</b>	<b>4,977</b>	

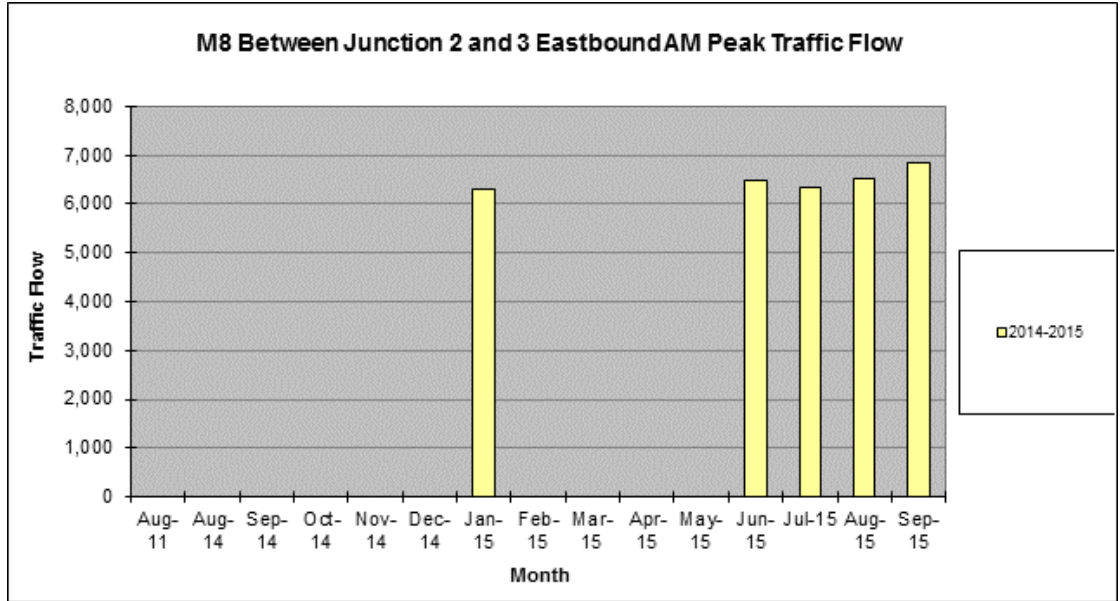


Figure 3-215 Monthly AM Peak Flows on the M8 between Junction 2 and 3 Eastbound

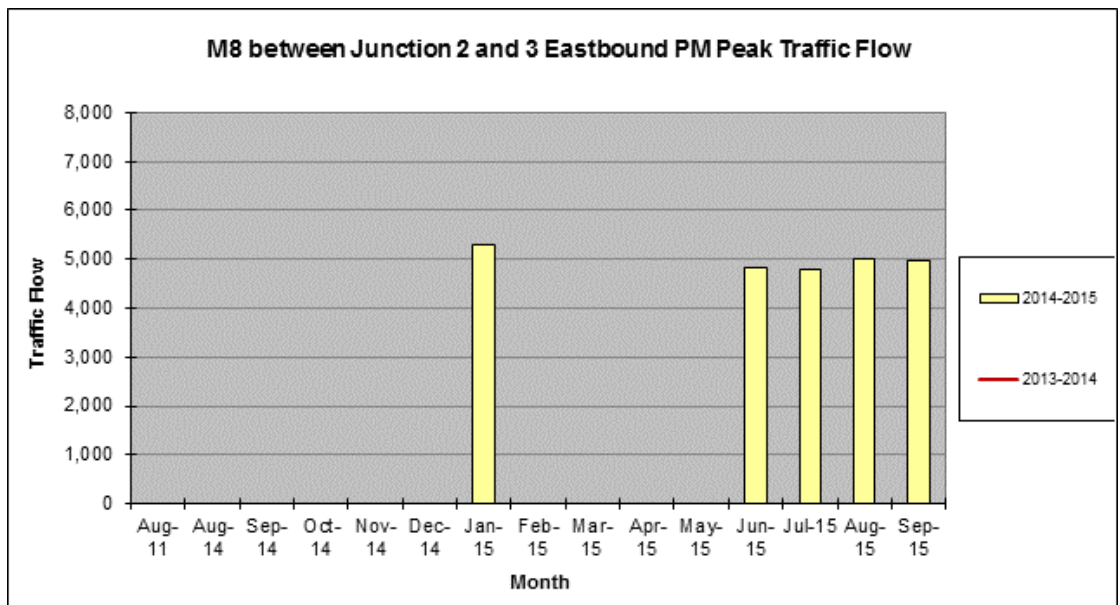


Figure 3-216 Monthly PM Peak Flows on the M8 between Junction 2 and 3 Eastbound



### 3.43.3 Monthly Average HGV Flows

Table 3-170 Site: JTC00628 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	EB
JTC00628	M8 Between Junction 2 and 3 Eastbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	No Data
		Oct-14	No Data
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	1,504
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	No Data
		May-15	No Data
		Jun-15	1,867
		Jul-15	1,832
		Aug-15	1,774
		Sep-15	1,869
		<b>Annual Average</b>	<b>1,734</b>

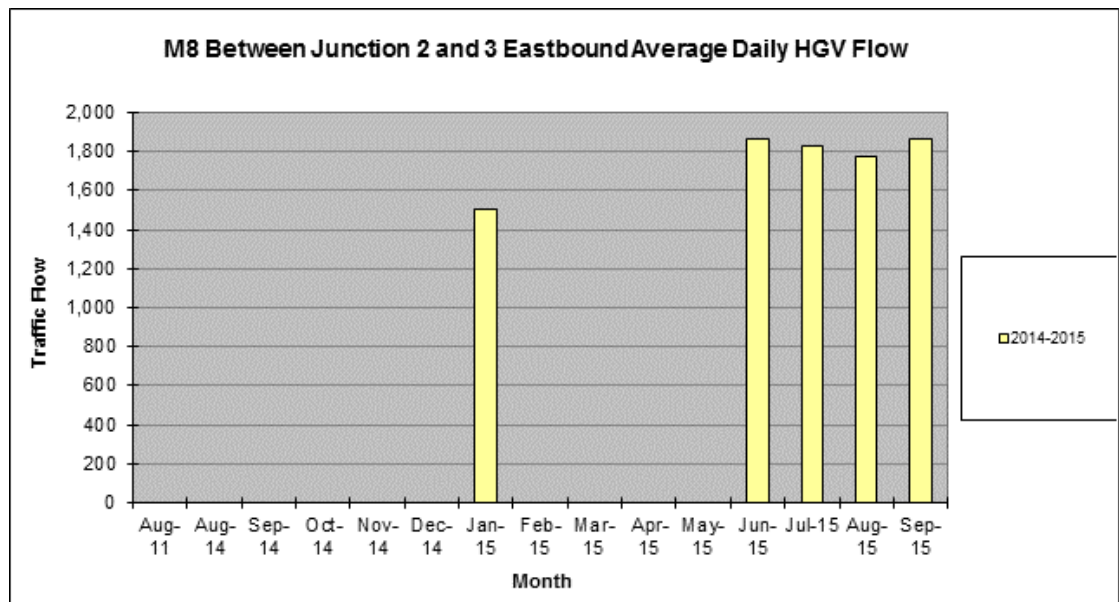
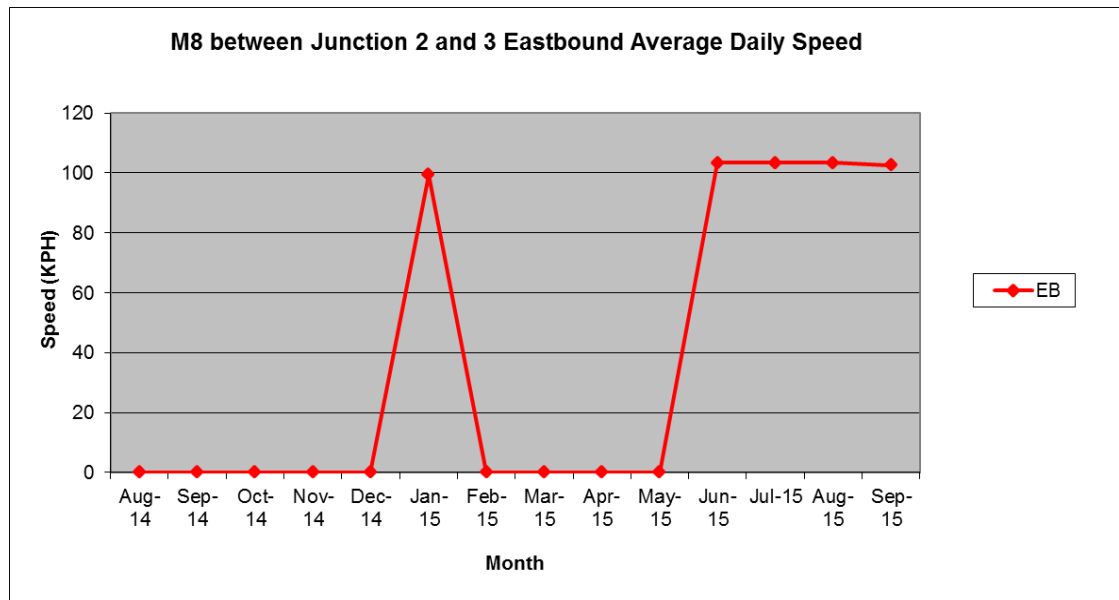


Figure 3-217 Monthly HGV Traffic Flows on the M8 between Junction 2 and 3 Eastbound

### 3.43.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-171 Site: JTC00628 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	EB
JTC00628	M8 Between Junction 2 and 3 Eastbound	Aug-14	No Data
		Sep-14	No Data
		Oct-14	No Data
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	99
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	No Data
		May-15	No Data
		Jun-15	103
		Jul-15	103
		Aug-15	103
		Sep-15	103



**Figure 3-218 Average Monthly Traffic Speeds (KPH) on the M8 between Junction 2 and 3 Eastbound**

### 3.44 Traffic Counter JTC00629 - M8 between Junction 2 and 3 Westbound

Summary of statistics between August 2014 and September 2015:

- No data is available for the baseline or previous monitoring periods, therefore comparisons cannot be made.

#### 3.44.1 Monthly Average Traffic Flows

Table 3-172 Site: JTC00629 Annual Traffic Flows - August 2014 to September 2015

Counter	Location	Date	WB
JTC00629	M8 Between Junction 2 and 3 Westbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	No Data
		Oct-14	No Data
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	29,086
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	No Data
		May-15	No Data
		Jun-15	34,578
		Jul-15	33,519
		Aug-15	34,834
		Sep-15	34,825
		<b>Annual Average</b>	<b>32,394</b>

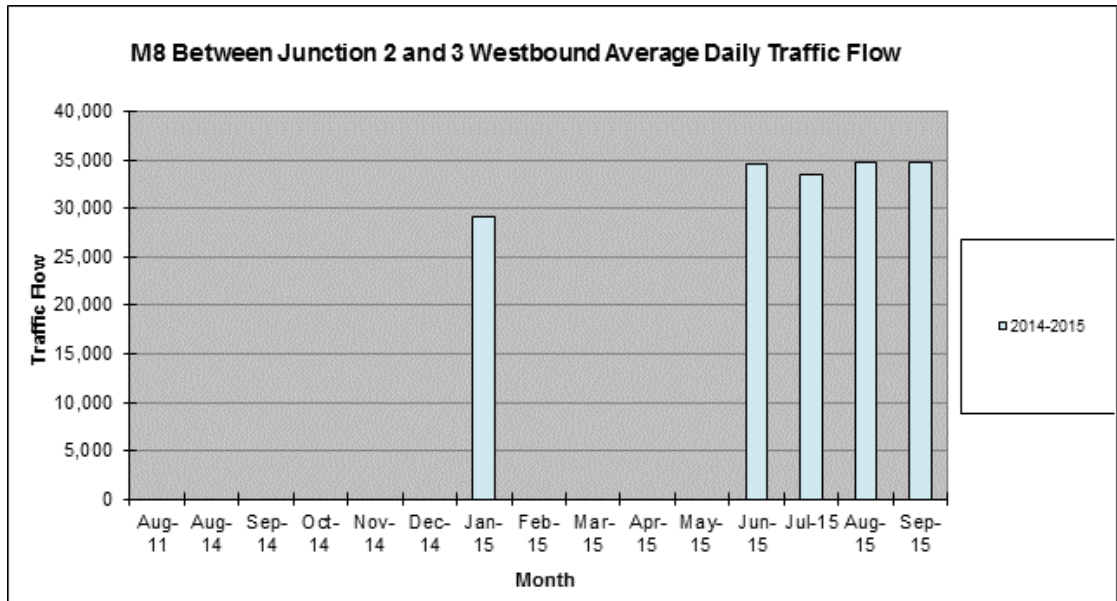


Figure 3-219 Monthly AADTs on the M8 between Junction 2 and 3 Westbound

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

Table 3-173 Site: JTC00629 Westbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00629	M8 Between Junction 2 and 3 Westbound	Aug-11	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	4,915	6,970
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	No Data	No Data
		Jun-15	5,635	6,640
		Jul-15	5,325	6,609
		Aug-15	5,502	6,745
		Sep-15	5,678	6,608
	<b>Annual Average</b>	<b>5,292</b>	<b>6,740</b>	

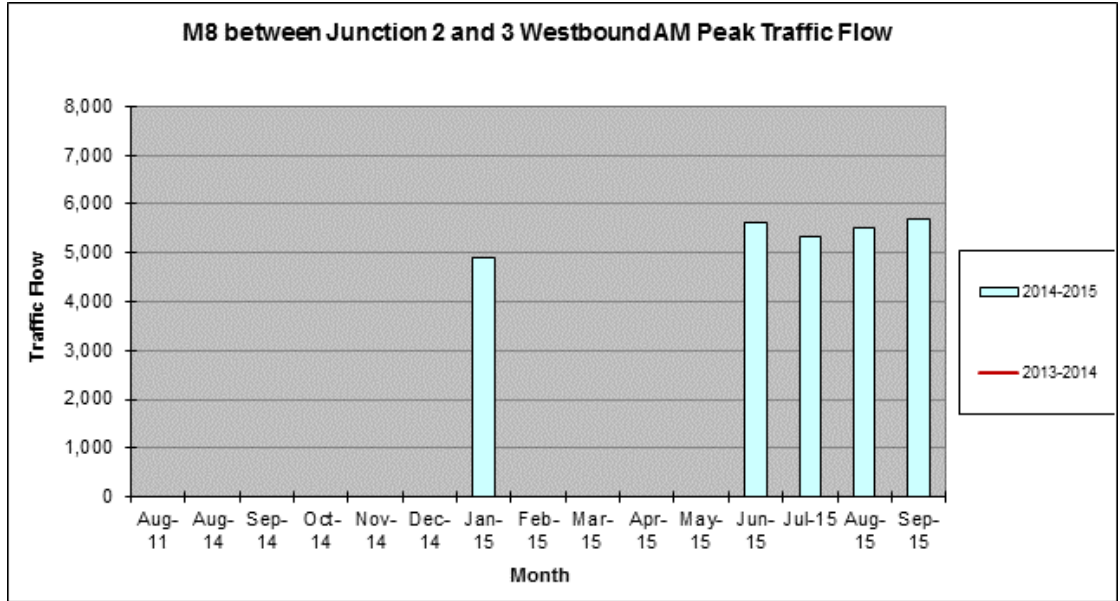


Figure 3-220 Monthly AM Peak Flows on the M8 between Junction 2 and 3 Westbound

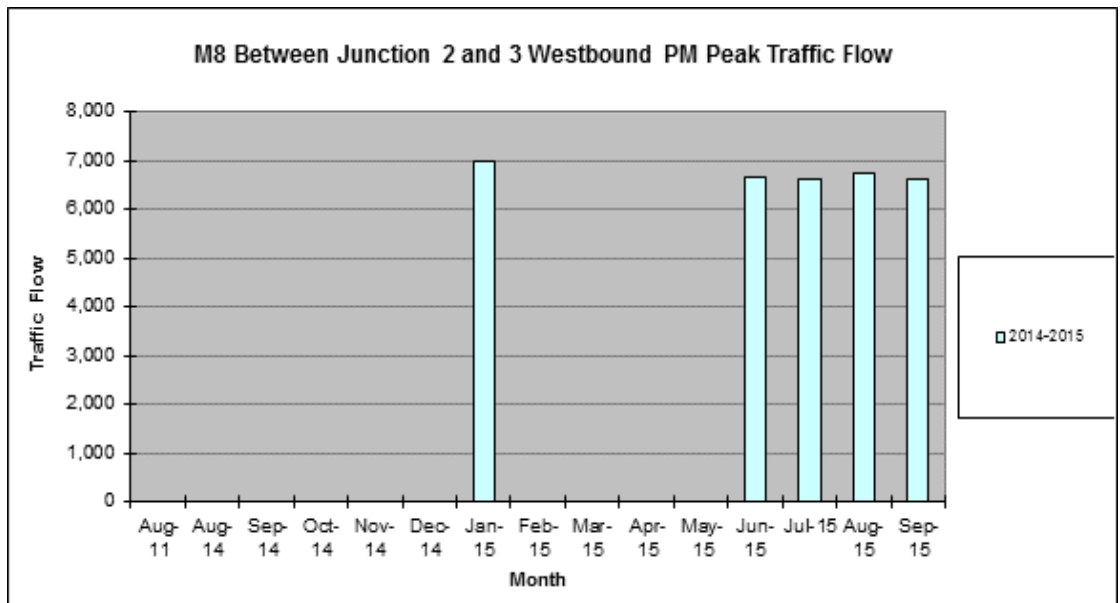


Figure 3-221 Monthly PM Peak Flows on the M8 between Junction 2 and 3 Westbound

### 3.44.3 Monthly Average HGV Flows

Table 3-174 Site: JTC00629 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	WB
JTC00629	M8 Between Junction 2 and 3 Westbound	Aug-11	No Data
		Aug-14	No Data
		Sep-14	No Data
		Oct-14	No Data
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	1,528
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	No Data
		May-15	No Data
		Jun-15	1,905
		Jul-15	1,863
		Aug-15	1,836
		Sep-15	1,909
		<b>Annual Average</b>	<b>1,765</b>

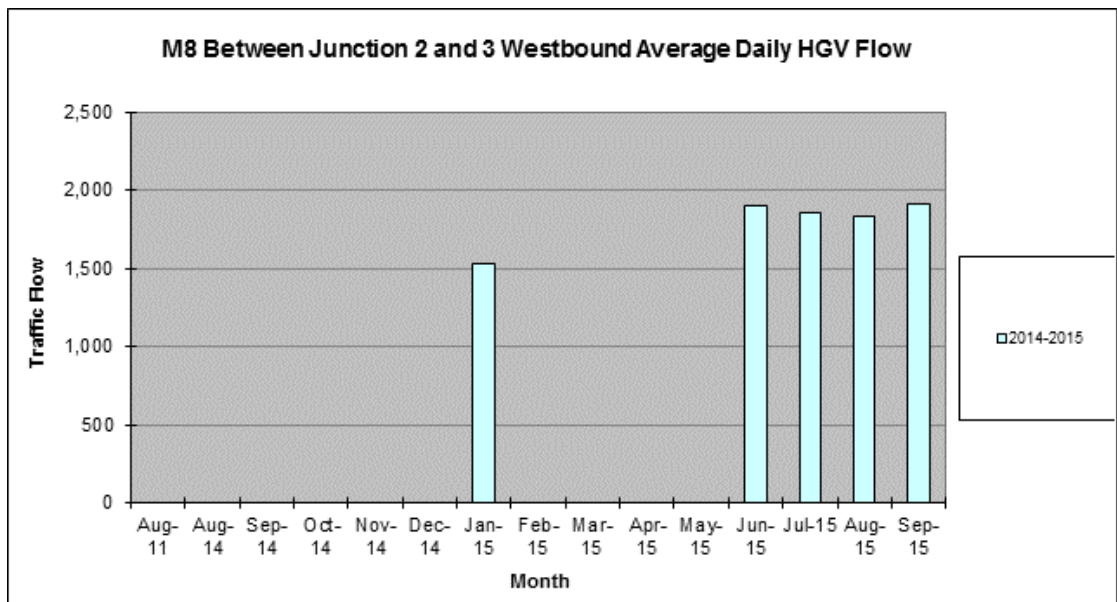
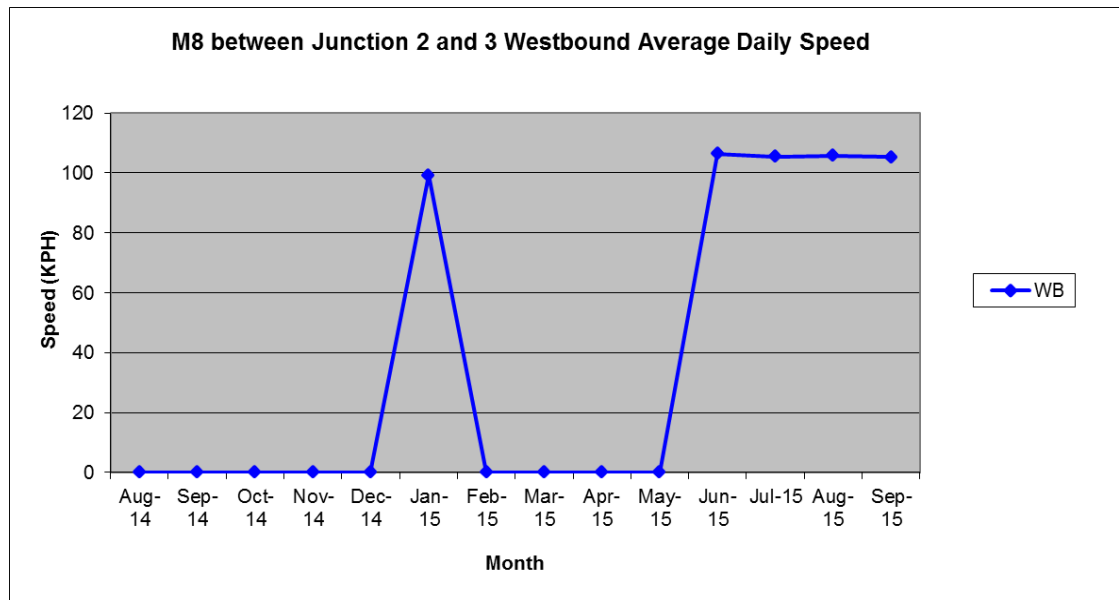


Figure 3-222 Monthly HGV Traffic Flows on the M8 between Junction 2 and 3 Westbound

### 3.44.4 Monthly Average All Vehicles Traffic Speeds

**Table 3-175 Site: JTC00629 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	WB
JTC00629	M8 Between Junction 2 and 3 Westbound	Aug-14	No Data
		Sep-14	No Data
		Oct-14	No Data
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	99
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	No Data
		May-15	No Data
		Jun-15	106
		Jul-15	105
		Aug-15	106
		Sep-15	105



**Figure 3-223 Average Monthly Traffic Speeds (KPH) on the M8 between Junction 2 and 3 Westbound**

## 4 A-Road Automatic Traffic Counter Data

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

Summary of statistics between August 2014 and September 2015:

- Traffic flows follow a similar pattern to the previous monitoring period. Nevertheless, HGV traffic flows between August and March 2015 were generally higher than those recorded in the previous monitoring period

#### 4.1.1 Monthly Average Traffic Flows

**Table 4-1 Site: JTC00318 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB	WB	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data	No Data
		Aug-14	7,193	7,081	14,274
		Sep-14	6,860	6,874	13,734
		Oct-14	6,623	6,542	13,165
		Nov-14	6,467	6,418	12,886
		Dec-14	6,594	6,657	13,251
		Jan-15	No Data	No Data	No Data
		Feb-15	6,403	6,452	12,855
		Mar-15	6,588	6,596	13,185
		Apr-15	6,726	6,668	13,393
		May-15	6,616	6,564	13,180
		Jun-15	6,970	6,912	13,882
		Jul-15	7,433	7,254	14,688
		Aug-15	7,679	7,341	15,020
		Sep-15	7,316	7,112	14,428
	<b>Annual Average</b>	<b>6,770</b>	<b>6,729</b>	<b>13,499</b>	



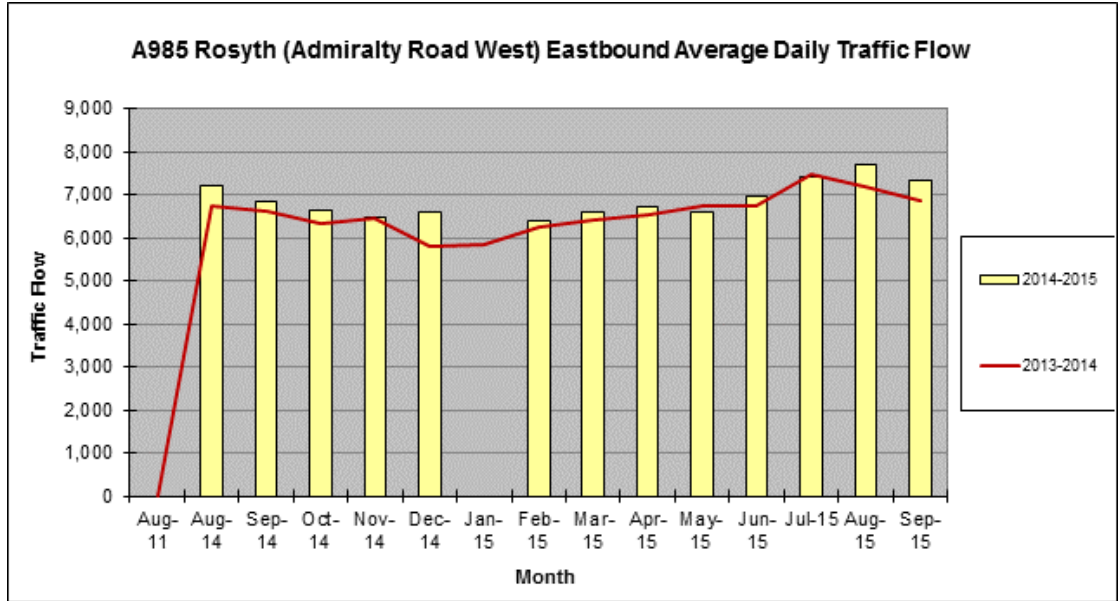


Figure 4-1 Monthly Eastbound AADTs on the A985 Rosyth (Admiralty Road West)

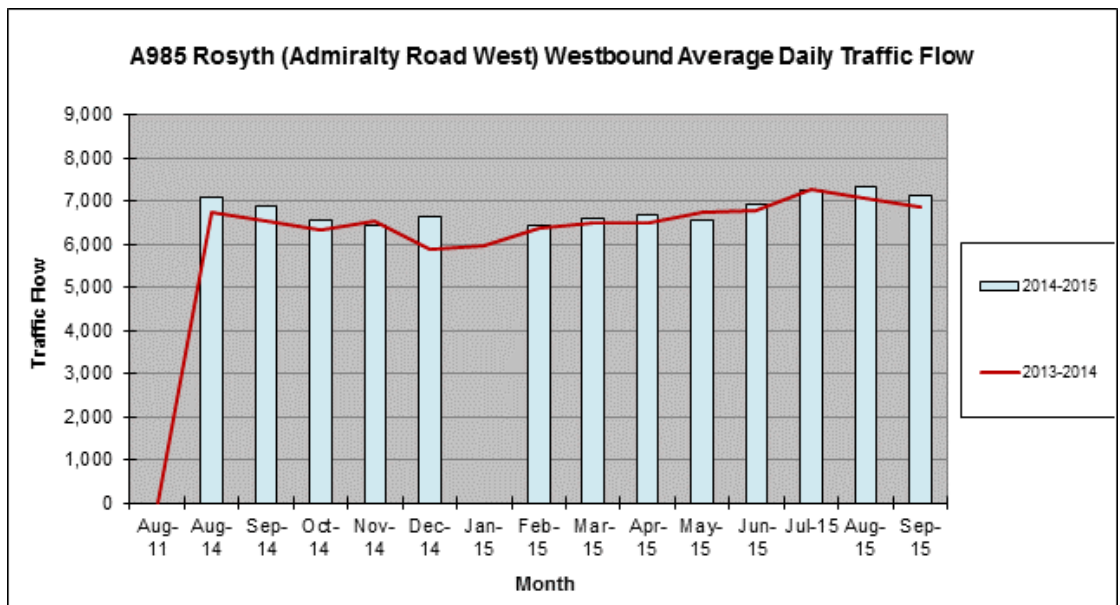


Figure 4-2 Monthly Westbound AADTs on the A985 Rosyth (Admiralty Road West)

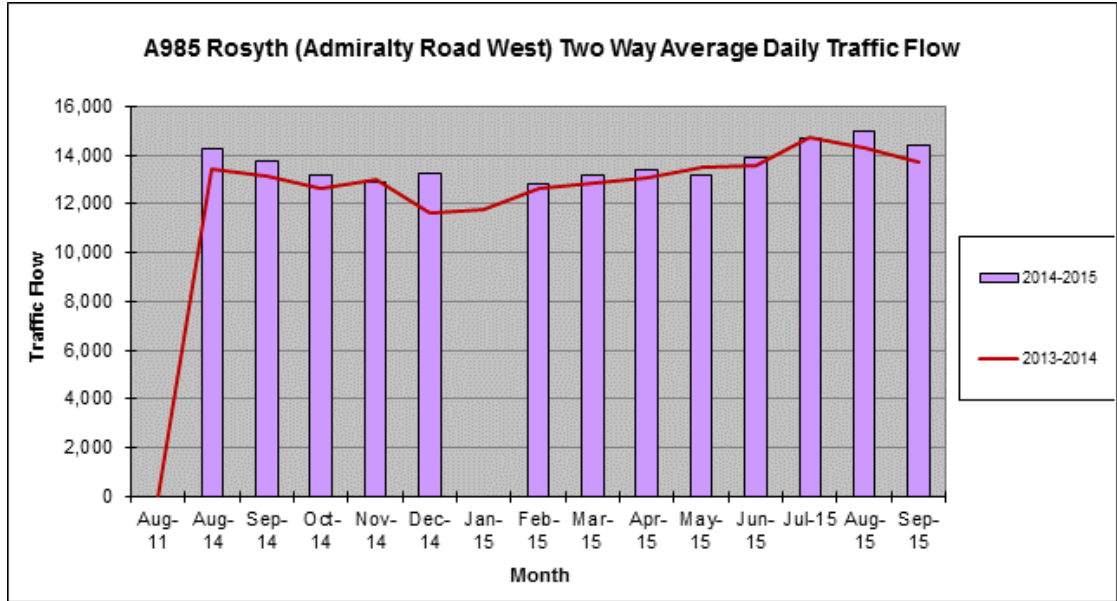


Figure 4-3 Monthly Two Way Daily Traffic Flows on the A985 Rosyth (Admiralty Road West)

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

Table 4-2 Site: JTC00318 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data	No Data
		Aug-14	2,516	3,291
		Sep-14	2,653	3,250
		Oct-14	2,481	3,100
		Nov-14	2,425	2,966
		Dec-14	2,606	2,980
		Jan-15	No Data	No Data
		Feb-15	2,416	3,003
		Mar-15	2,479	3,109
		Apr-15	2,369	3,152
		May-15	2,361	3,014
		Jun-15	2,549	3,211
		Jul-15	2,516	3,376
		Aug-15	2,566	3,492
Sep-15	2,702	3,389		
	<b>Annual Average</b>	<b>2,488</b>	<b>3,132</b>	

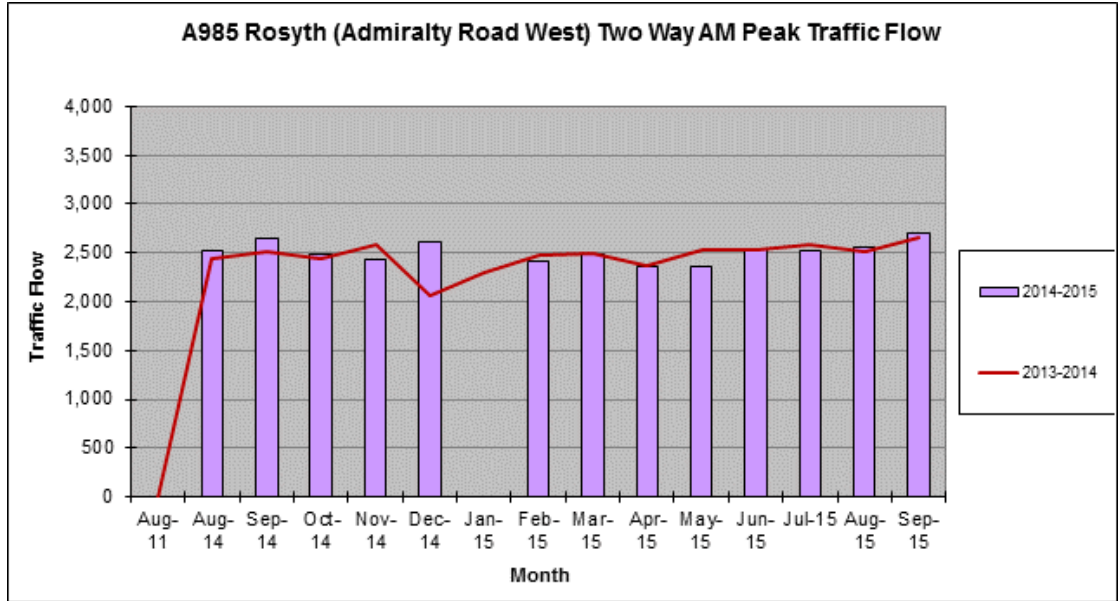


Figure 4-4 Monthly Two Way AM Peak Flows on the A985 Rosyth (Admiralty Road West)

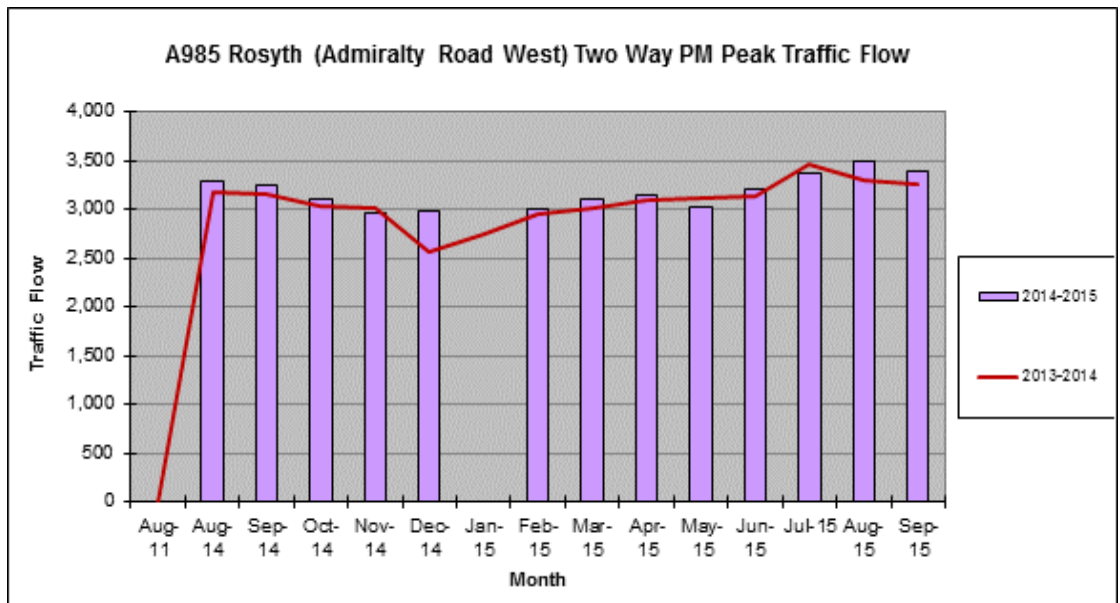


Figure 4-5 Monthly Two Way PM Peak Flows on the A985 Rosyth (Admiralty Road West)

### 4.1.3 Monthly Average HGV Flows

Table 4-3 Site: JTC00318 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-11	No Data
		Aug-14	366
		Sep-14	390
		Oct-14	416
		Nov-14	362
		Dec-14	560
		Jan-15	No Data
		Feb-15	388
		Mar-15	420
		Apr-15	342
		May-15	351
		Jun-15	371
		Jul-15	325
		Aug-15	323
		Sep-15	399

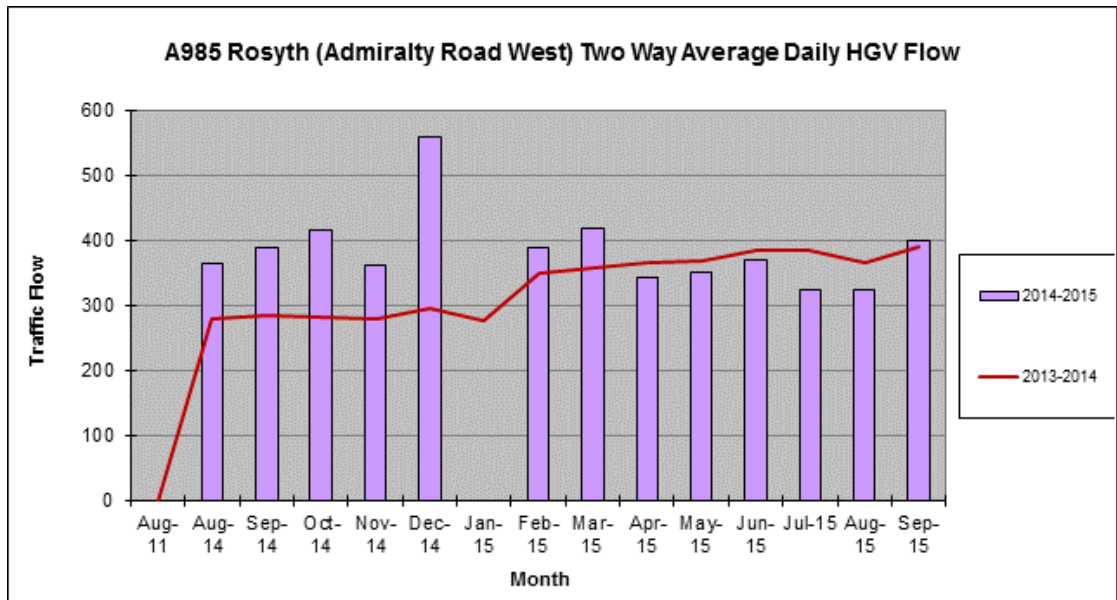
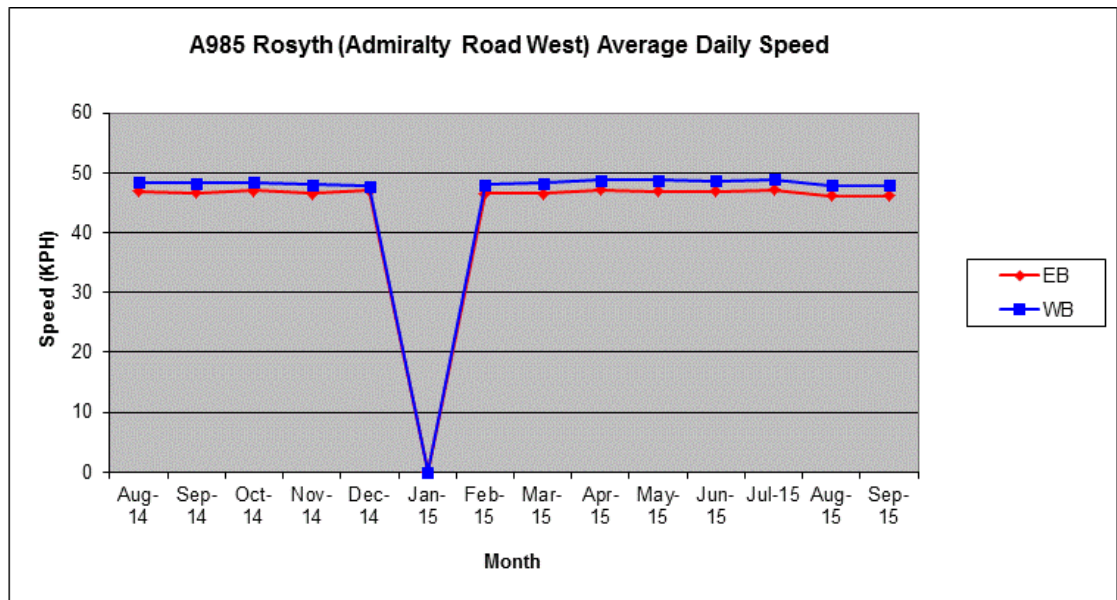


Figure 4-6 Monthly Two Way HGV Traffic Flows on the A985 Rosyth (Admiralty Road West)

#### 4.1.4 Monthly Average All Vehicles Traffic Speeds

**Table 4-4 Site: JTC00318 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	EB	WB
JTC00318	A985 Rosyth (Admiralty Road West)	Aug-14	47	48
		Sep-14	47	48
		Oct-14	47	48
		Nov-14	47	48
		Dec-14	47	48
		Jan-15	No Data	No Data
		Feb-15	47	48
		Mar-15	47	48
		Apr-15	47	49
		May-15	47	49
		Jun-15	47	49
		Jul-15	47	49
		Aug-15	46	48
		Sep-15	46	48



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

## 4.2 Traffic Counter JTC00570 - A985 Admiralty Road

Summary of statistics between August 2014 and September 2015:

- Traffic flows follow a similar pattern to the previous monitoring period. Nevertheless, HGV traffic flows between August and March 2015 were generally higher than those recorded in the previous monitoring period.
- HGV flows peak in December 2014.

### 4.2.1 Monthly Average Traffic Flows

**Table 4-5 Site: JTC00570 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB	WB	Two Way
JTC00570	A985 Admiralty Road	Aug-11	No Data	No Data	No Data
		Aug-14	7,887	7,327	15,214
		Sep-14	7,552	7,152	14,704
		Oct-14	7,423	6,906	14,329
		Nov-14	7,143	6,691	13,834
		Dec-14	7,509	6,968	14,477
		Jan-15	6,631	6,253	12,885
		Feb-15	7,222	6,825	14,046
		Mar-15	7,461	6,960	14,421
		Apr-15	No Data	No Data	No Data
		May-15	No Data	No Data	No Data
		Jun-15	7,801	7,328	15,129
		Jul-15	8,148	7,496	15,644
		Aug-15	8,593	7,694	16,287
		Sep-15	No Data	No Data	No Data
		<b>Annual Average</b>	<b>7,478</b>	<b>6,991</b>	<b>14,468</b>

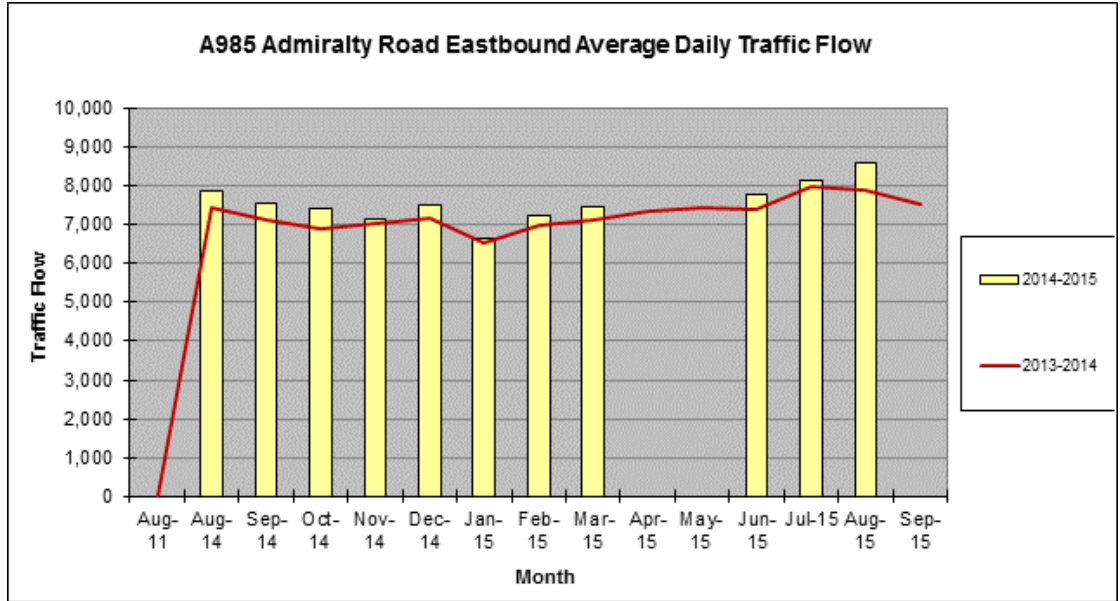


Figure 4-8 Monthly Eastbound AADTs on the A985 Admiralty Road

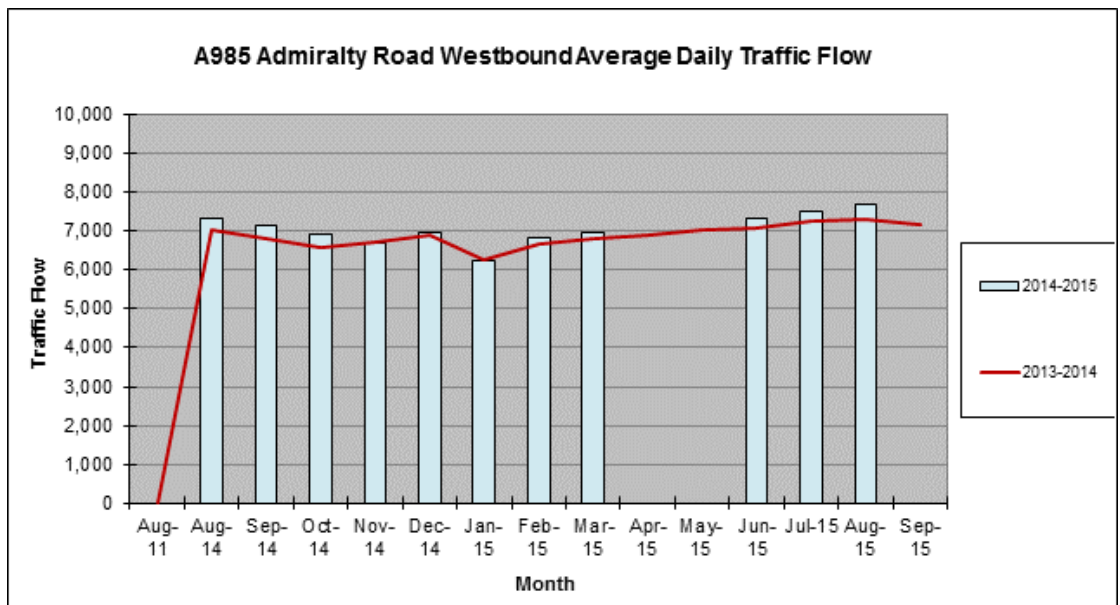


Figure 4-9 Monthly Westbound AADTs on the A985 Admiralty Road



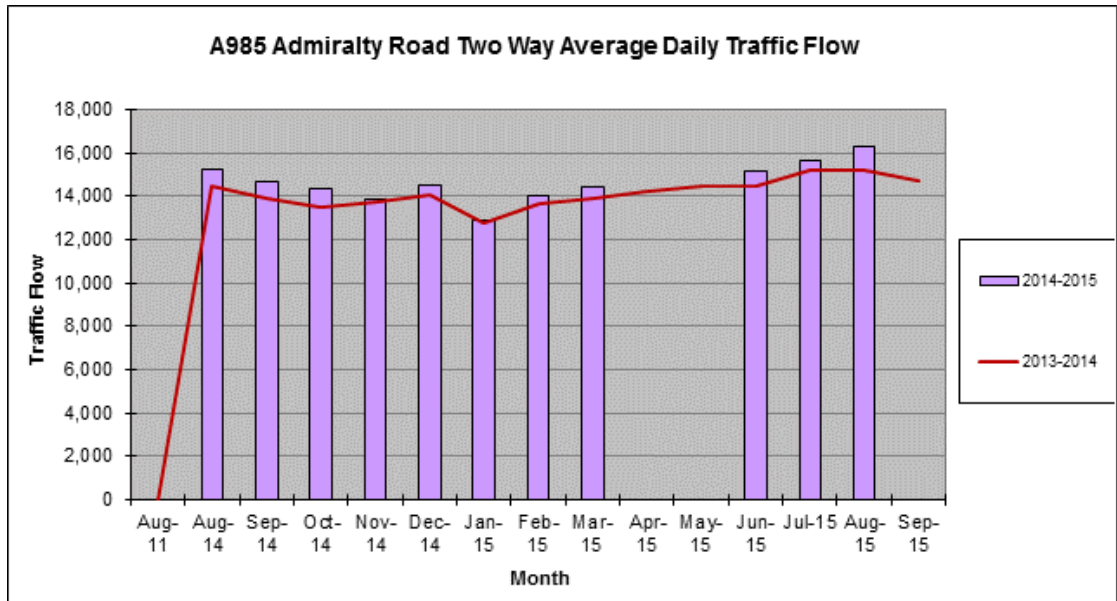


Figure 4-10 Monthly Two Way Daily Traffic Flows on the A985 Admiralty Road

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

Table 4-6 Site: JTC00570 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00570	A985 Admiralty Road	Aug-11	No Data	No Data
		Aug-14	2,626	3,454
		Sep-14	2,781	3,389
		Oct-14	2,669	3,296
		Nov-14	2,554	3,105
		Dec-14	2,770	3,178
		Jan-15	2,349	2,864
		Feb-15	2,586	3,189
		Mar-15	2,653	3,288
		Apr-15	No Data	No Data
		May-15	No Data	No Data
		Jun-15	2,756	3,428
		Jul-15	2,621	3,487
		Aug-15	2,695	3,722
		Sep-15	No Data	No Data
	<b>Annual Average</b>	<b>2,636</b>	<b>3,268</b>	



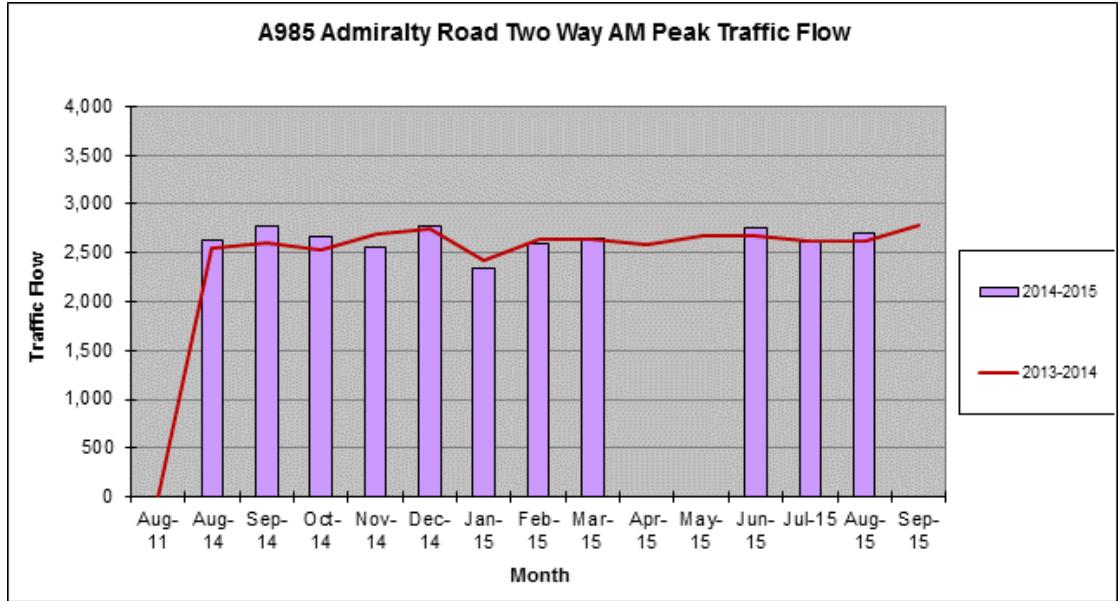


Figure 4-11 Monthly Two Way AM Peak Flows on the A985 Admiralty Road

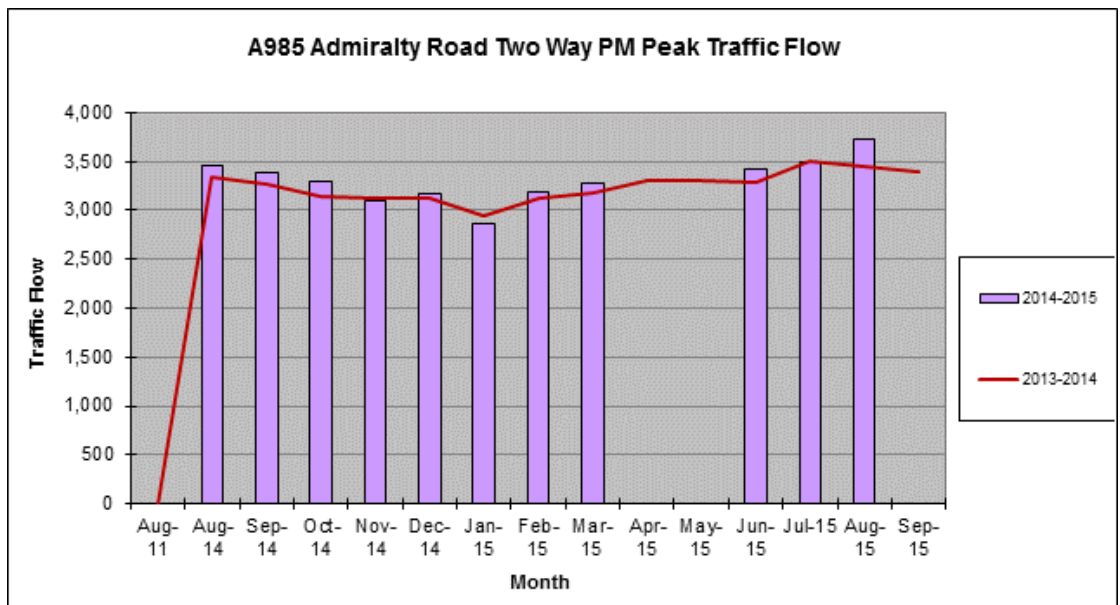


Figure 4-12 Monthly Two Way PM Peak Flows on the A985 Admiralty Road

### 4.2.3 Monthly Average HGV Flows

Table 4-7 Site: JTC00570 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00570	A985 Admiralty Road	Aug-11	No Data
		Aug-14	340
		Sep-14	359
		Oct-14	388
		Nov-14	337
		Dec-14	519
		Jan-15	456
		Feb-15	355
		Mar-15	382
		Apr-15	No Data
		May-15	No Data
		Jun-15	338
		Jul-15	308
		Aug-15	310
		Sep-15	No Data
		<b>Annual Average</b>	<b>378</b>

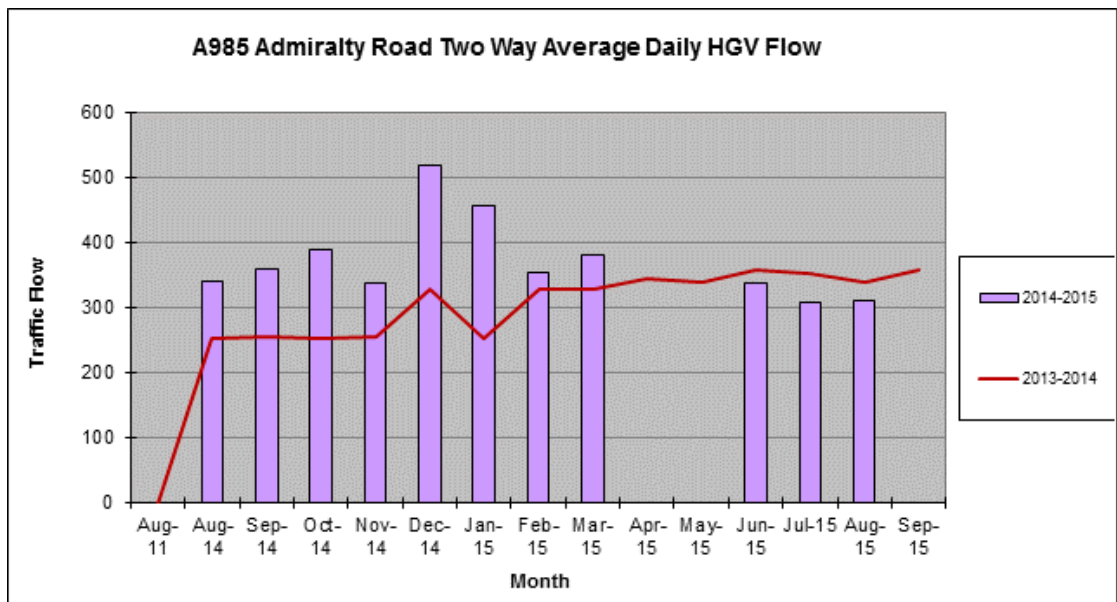
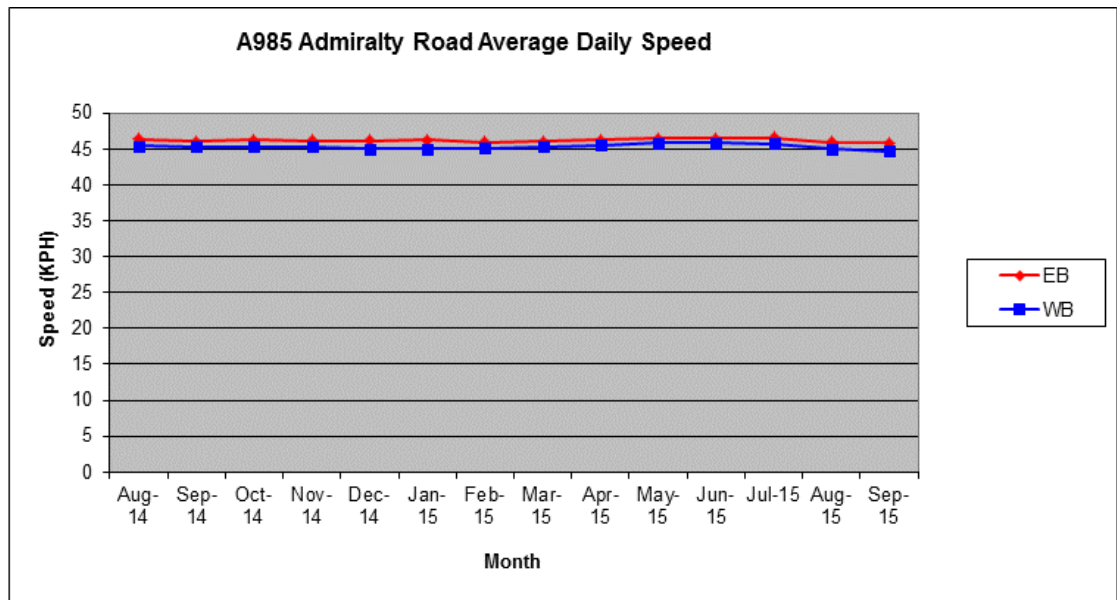


Figure 4-13 Monthly Two Way HGV Traffic Flows on the A985 Admiralty Road

#### 4.2.4 Monthly Average All Vehicles Traffic Speeds

**Table 4-8 Site: JTC00570 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	EB	WB
JTC00570	A985 Admiralty Road	Aug-14	46	45
		Sep-14	46	45
		Oct-14	46	45
		Nov-14	46	45
		Dec-14	46	45
		Jan-15	46	45
		Feb-15	46	45
		Mar-15	46	45
		Apr-15	46	46
		May-15	46	46
		Jun-15	46	46
		Jul-15	47	46
		Aug-15	46	45
		Sep-15	46	45



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

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

Summary of statistics between August 2014 and September 2015:

- Traffic flows follow a similar pattern to the previous monitoring period, however remain lower than the baseline.
- HGV flows are significantly lower than the baseline and follow a similar pattern to the previous monitoring period.

#### 4.3.1 Monthly Average Traffic Flows

**Table 4-9 Site: JTC00395 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB	WB	Two Way
JTC00395	A904 (East of Newton)	Aug-11	6,746	7,058	13,804
		Aug-14	5,562	5,924	11,486
		Sep-14	5,668	5,956	11,623
		Oct-14	5,497	5,710	11,207
		Nov-14	5,511	5,658	11,169
		Dec-14	5,505	5,642	11,146
		Jan-15	4,625	4,849	9,474
		Feb-15	5,284	5,504	10,788
		Mar-15	5,609	5,753	11,362
		Apr-15	5,947	6,157	12,105
		May-15	5,912	6,094	12,005
		Jun-15	6,364	6,454	12,817
		Jul-15	5,910	6,111	12,021
		Aug-15	6,175	6,215	12,390
		Sep-15	5,956	6,114	12,070
		<b>Annual Average</b>	<b>5,616</b>	<b>5,818</b>	<b>11,434</b>

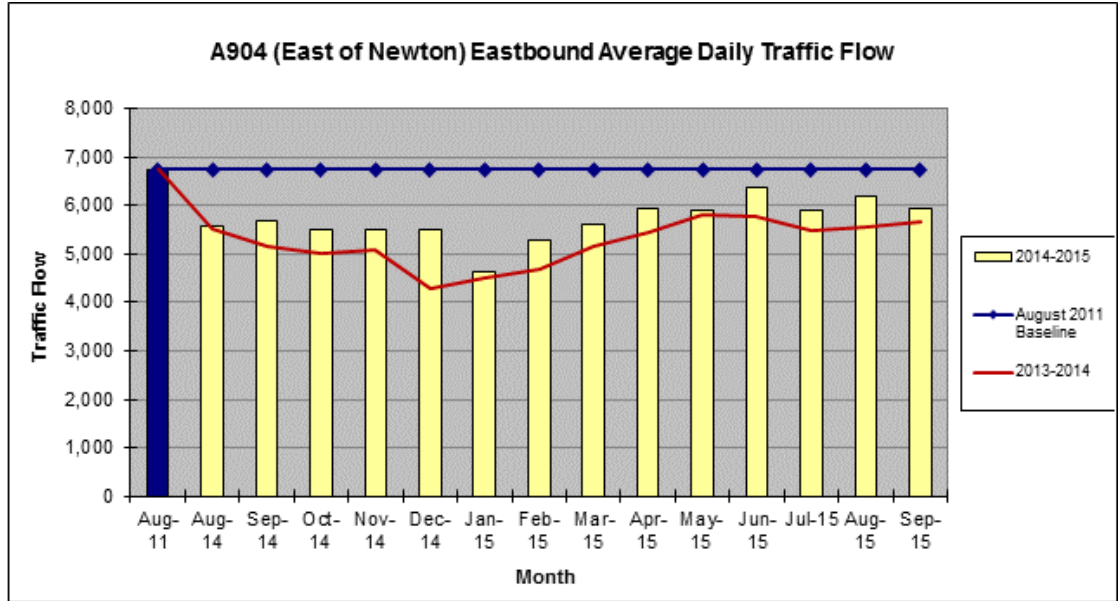


Figure 4-15 Monthly Eastbound AADTs on the A904 (East of Newton)

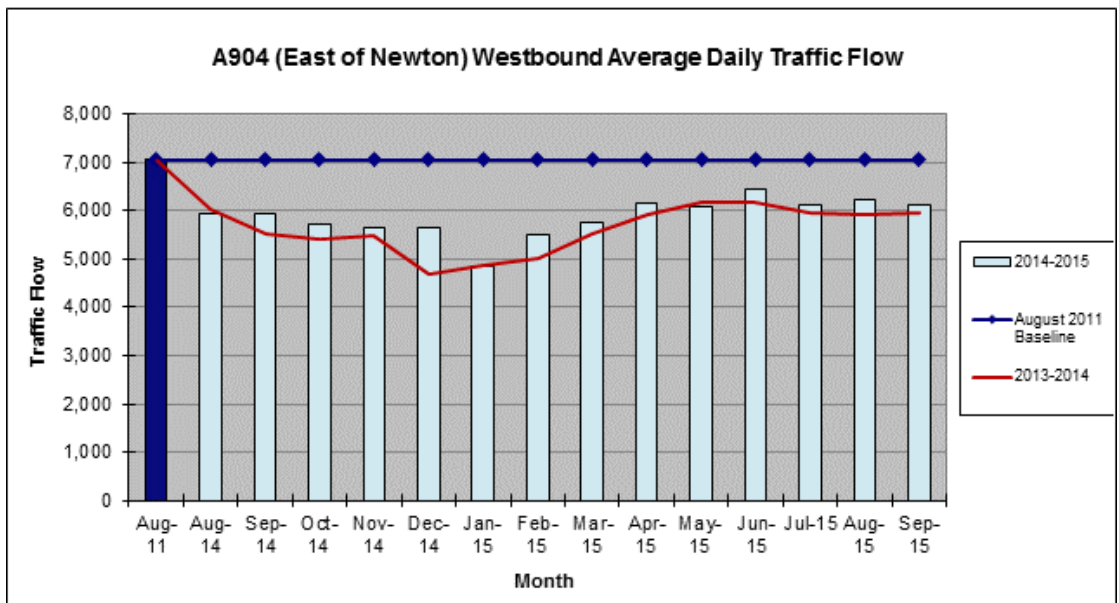


Figure 4-16 Monthly Westbound AADTs on the A904 (East of Newton)

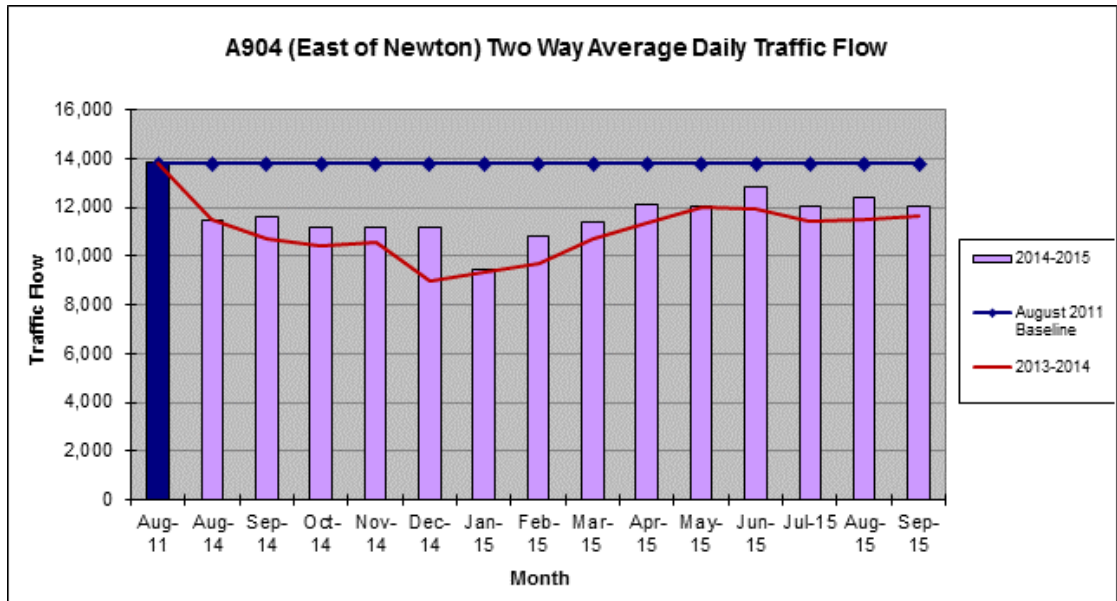


Figure 4-17 Monthly Two Way Daily Traffic Flows on the A904 (East of Newton)

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

Table 4-10 Site: JTC00395 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00395	A904 (East of Newton)	Aug-11	2,680	3,556
		Aug-14	2,157	2,955
		Sep-14	2,382	3,088
		Oct-14	2,369	2,986
		Nov-14	2,321	2,869
		Dec-14	2,515	2,900
		Jan-15	1,909	2,396
		Feb-15	2,304	2,863
		Mar-15	2,505	3,041
		Apr-15	2,326	3,194
		May-15	2,346	3,116
		Jun-15	2,596	3,313
		Jul-15	2,268	3,136
		Aug-15	2,274	3,184
Sep-15	2,490	3,220		
		<b>Annual Average</b>	<b>2,333</b>	<b>2,988</b>

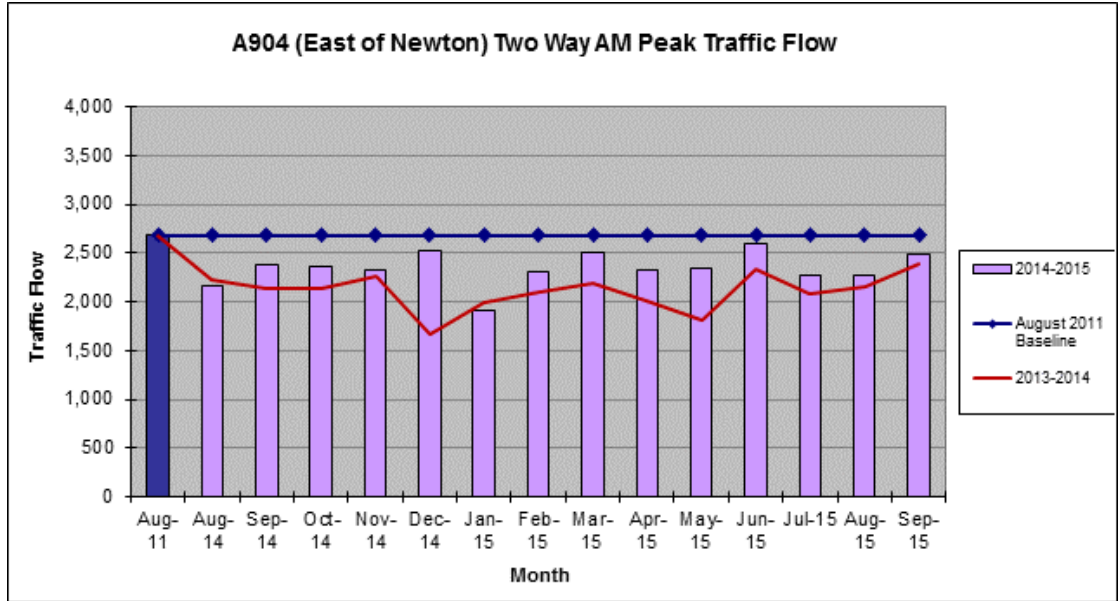


Figure 4-18 Monthly Two Way AM Peak Flows on the A904 (East of Newton)

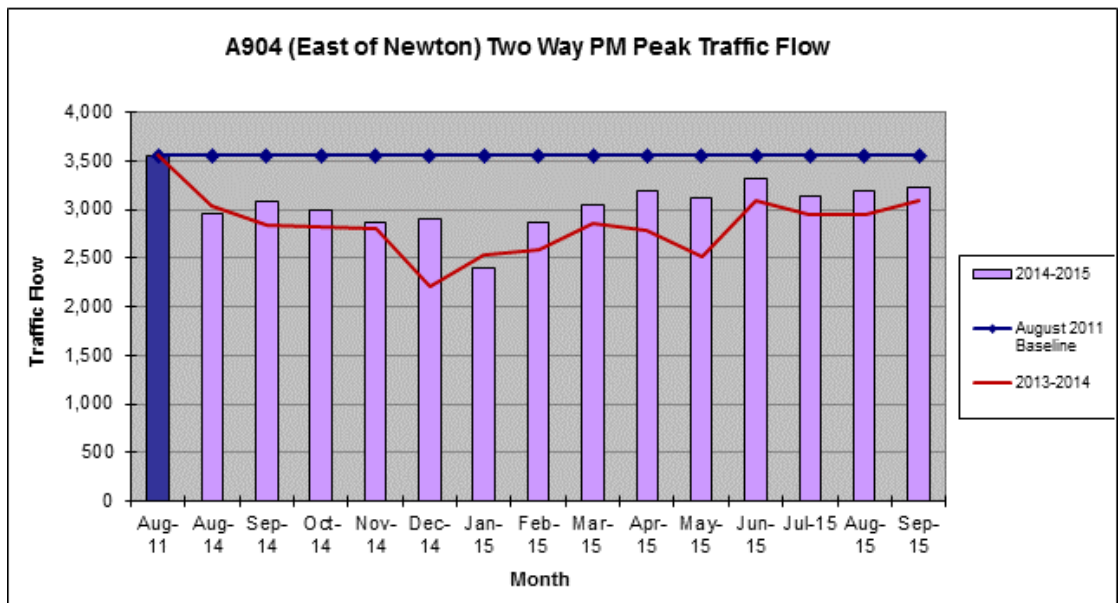


Figure 4-19 Monthly Two Way PM Peak Flows on the A904 (East of Newton)



### 4.3.3 Monthly Average HGV Flows

Table 4-11 Site: JTC00395 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00395	A904 (East of Newton)	Aug-11	481
		Aug-14	163
		Sep-14	170
		Oct-14	159
		Nov-14	168
		Dec-14	167
		Jan-15	127
		Feb-15	149
		Mar-15	158
		Apr-15	145
		May-15	157
		Jun-15	191
		Jul-15	170
		Aug-15	176
		Sep-15	168
		<b>Annual Average</b>	<b>160</b>

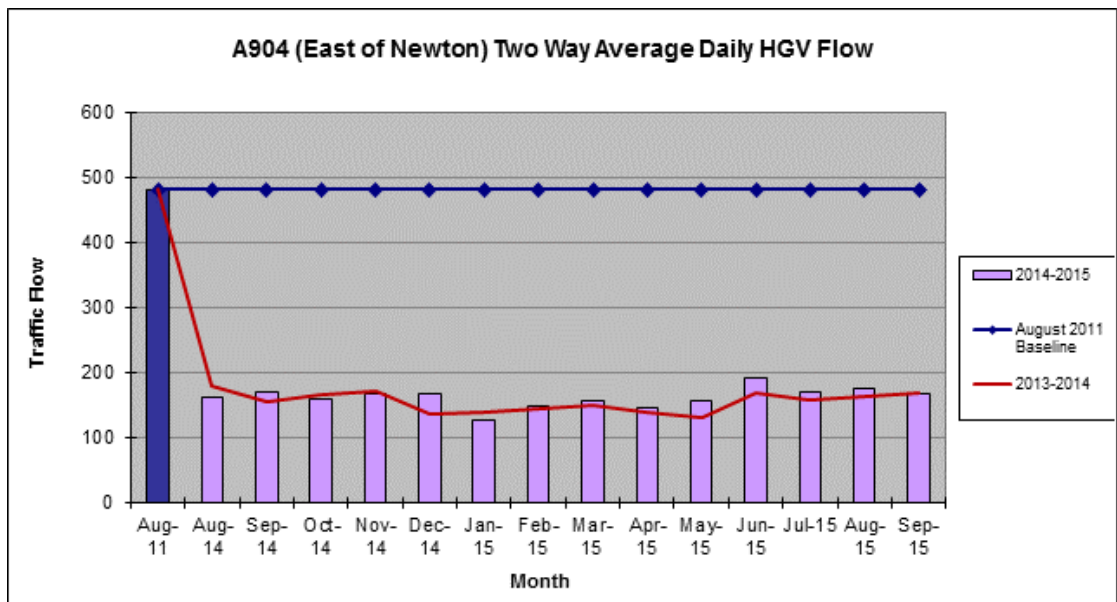


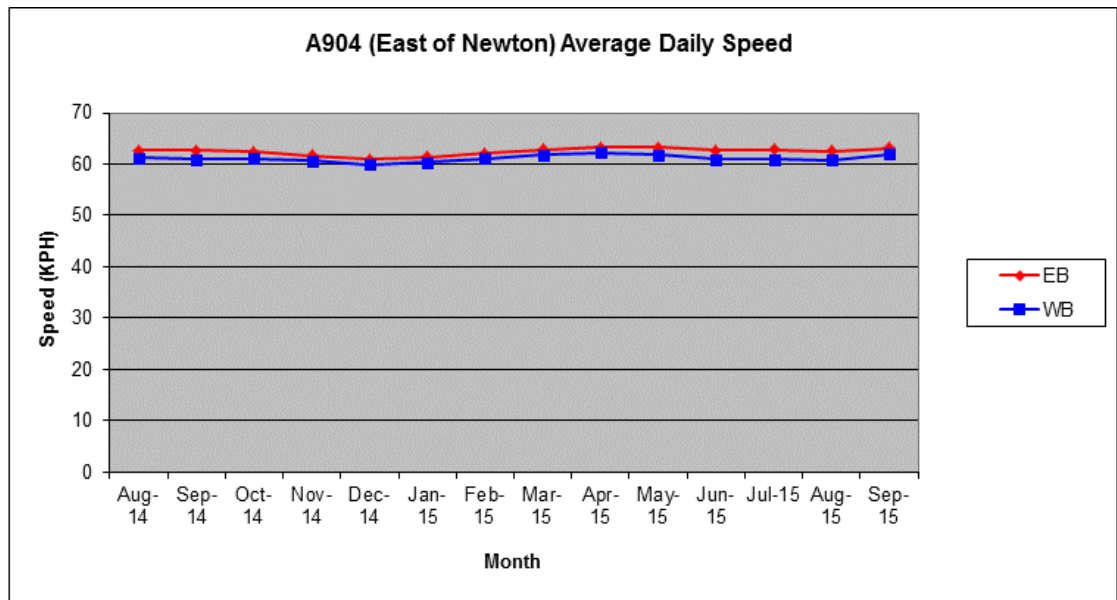
Figure 4-20 Monthly Two Way HGV Traffic Flows on the A904 (East of Newton)



### 4.3.4 Monthly Average All Vehicles Traffic Speeds

**Table 4-12 Site: JTC00395 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	EB	WB
JTC00395	A904 (East of Newton)	Aug-14	63	61
		Sep-14	63	61
		Oct-14	62	61
		Nov-14	62	61
		Dec-14	61	60
		Jan-15	61	60
		Feb-15	62	61
		Mar-15	63	62
		Apr-15	63	62
		May-15	63	62
		Jun-15	63	61
		Jul-15	63	61
		Aug-15	63	61
		Sep-15	63	62



**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 4-13 Site: JTC00507 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	7,998	7,990	15,988
		Aug-14	9,028	8,888	17,915
		Sep-14	9,222	9,026	18,248
		Oct-14	8,874	8,638	17,512
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	8,187	8,119	16,307
		Feb-15	8,607	8,431	17,037
		Mar-15	9,585	9,379	18,965
		Apr-15	9,165	8,987	18,152
		May-15	9,122	8,949	18,071
		Jun-15	9,274	9,074	18,348
		Jul-15	9,145	8,895	18,040
		Aug-15	9,400	9,253	18,653
		Sep-15	9,718	9,524	19,242
	<b>Annual Average</b>	<b>9,021</b>	<b>8,839</b>	<b>17,859</b>	

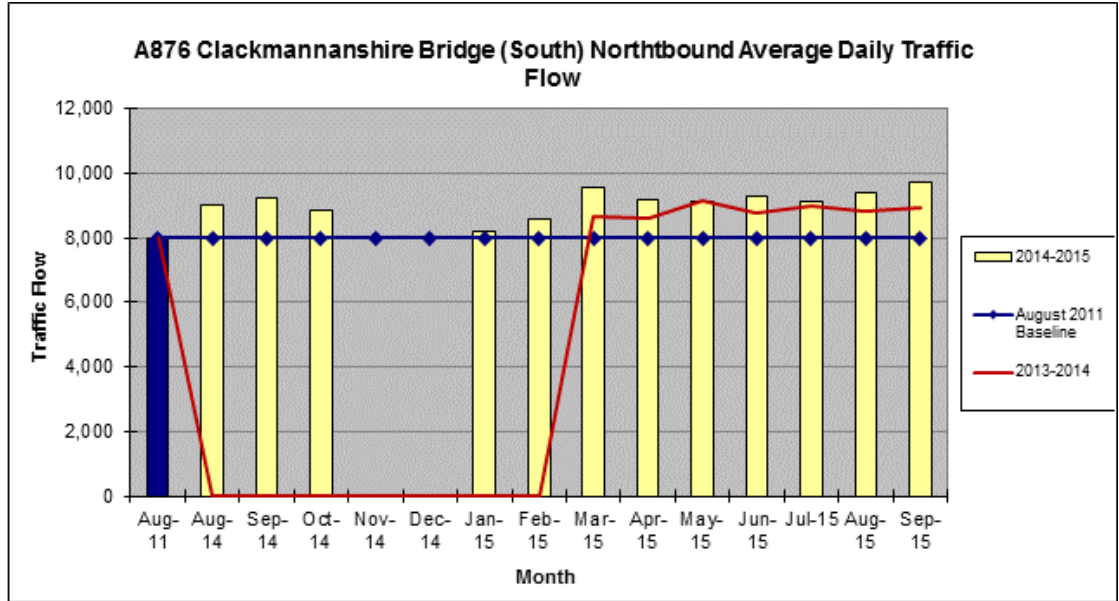


Figure 4-22 Monthly Northbound AADTs on the A876 Clackmannanshire Bridge (South)

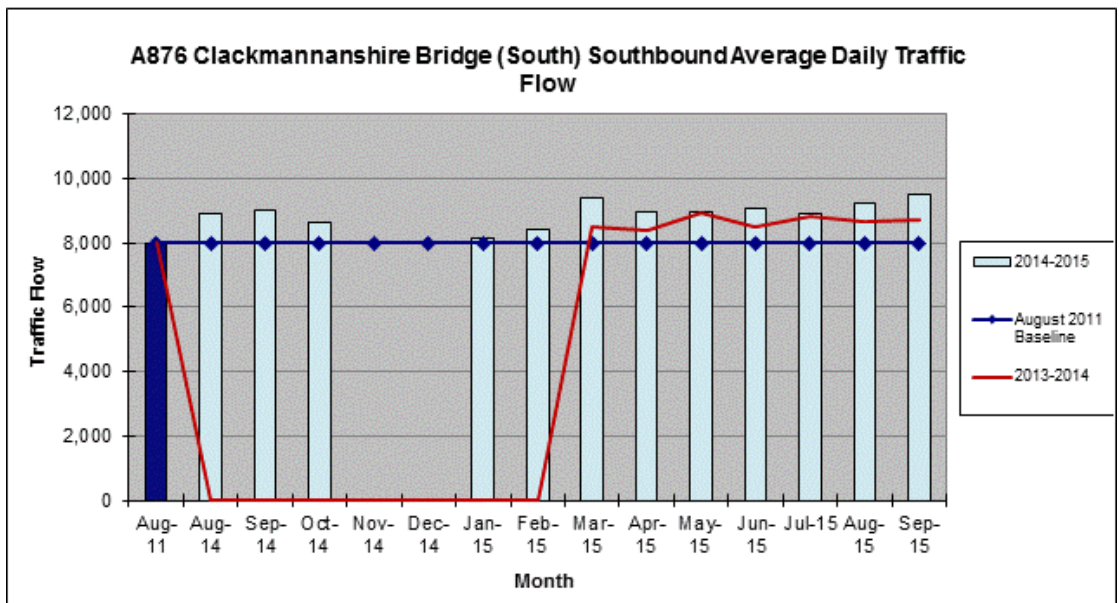


Figure 4-23 Monthly Southbound AADTs on the A876 Clackmannanshire Bridge (South)

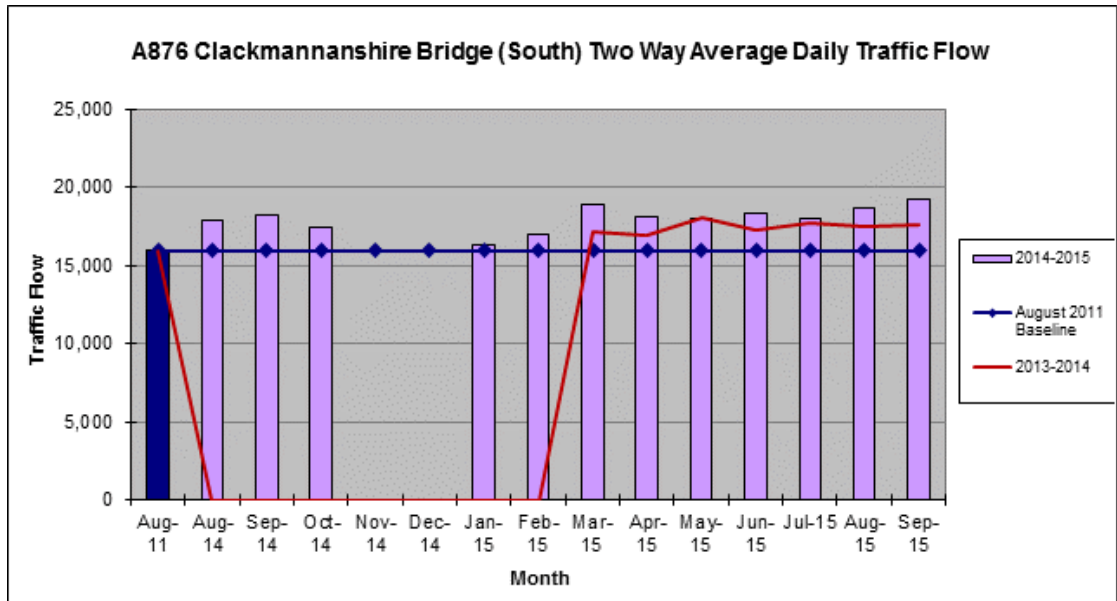


Figure 4-24 Monthly Two Way Daily Traffic Flows on the A876 Clackmannanshire Bridge (South)

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

Table 4-14 Site: JTC00507 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	3,223	3,944
		Aug-14	3,503	4,360
		Sep-14	3,794	4,504
		Oct-14	3,438	4,296
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	3,523	3,941
		Feb-15	3,644	4,120
		Mar-15	4,103	4,596
		Apr-15	3,223	3,359
		May-15	3,277	3,293
		Jun-15	3,309	3,370
		Jul-15	3,084	3,382
		Aug-15	3,277	3,576
Sep-15	3,535	3,484		
	<b>Annual Average</b>	<b>3,490</b>	<b>3,922</b>	

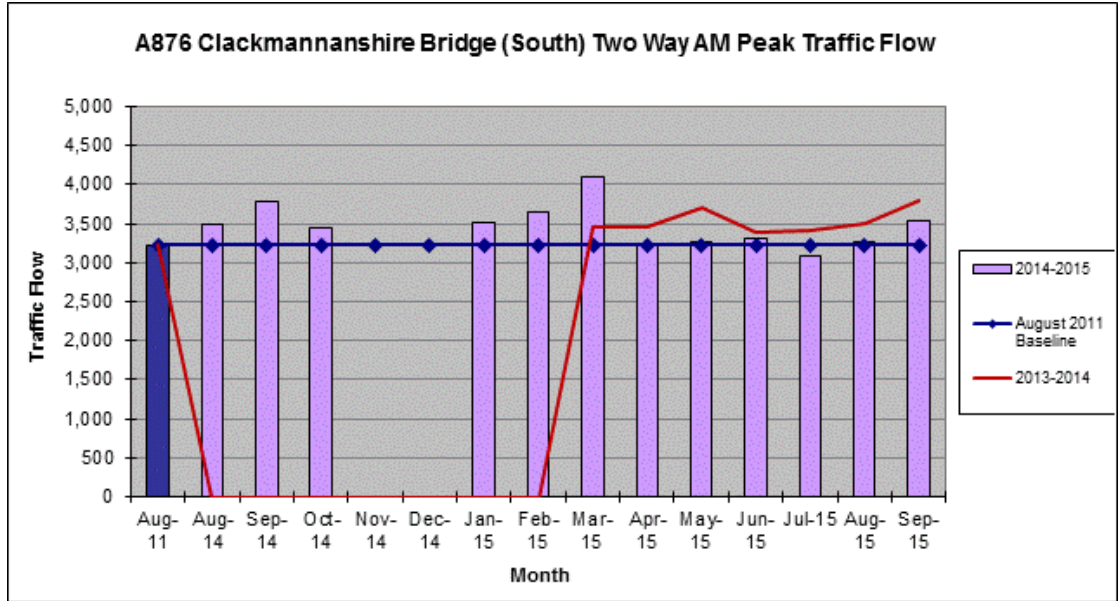


Figure 4-25 Monthly Two Way AM Peak Flows on the A876 Clackmannanshire Bridge (South)

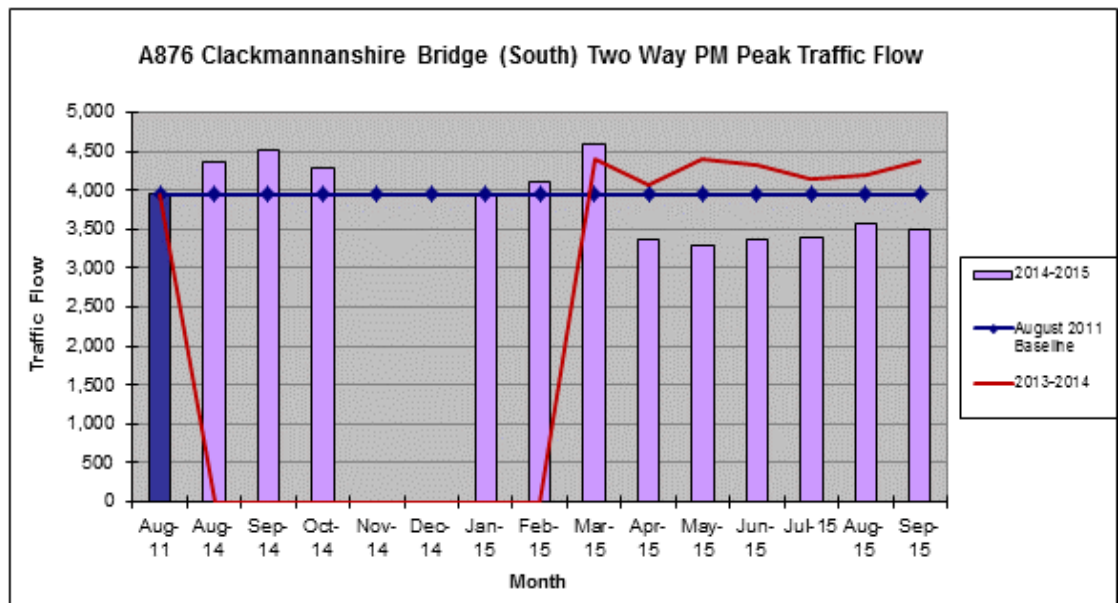


Figure 4-26 Monthly Two Way PM Peak Flows on the A876 Clackmannanshire Bridge (South)

### 4.4.3 Monthly Average HGV Flows

Table 4-15 Site: JTC00507 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-11	585
		Aug-14	686
		Sep-14	739
		Oct-14	710
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	631
		Feb-15	647
		Mar-15	735
		Apr-15	680
		May-15	649
		Jun-15	697
		Jul-15	711
		Aug-15	635
		Sep-15	734
		<b>Annual Average</b>	<b>689</b>

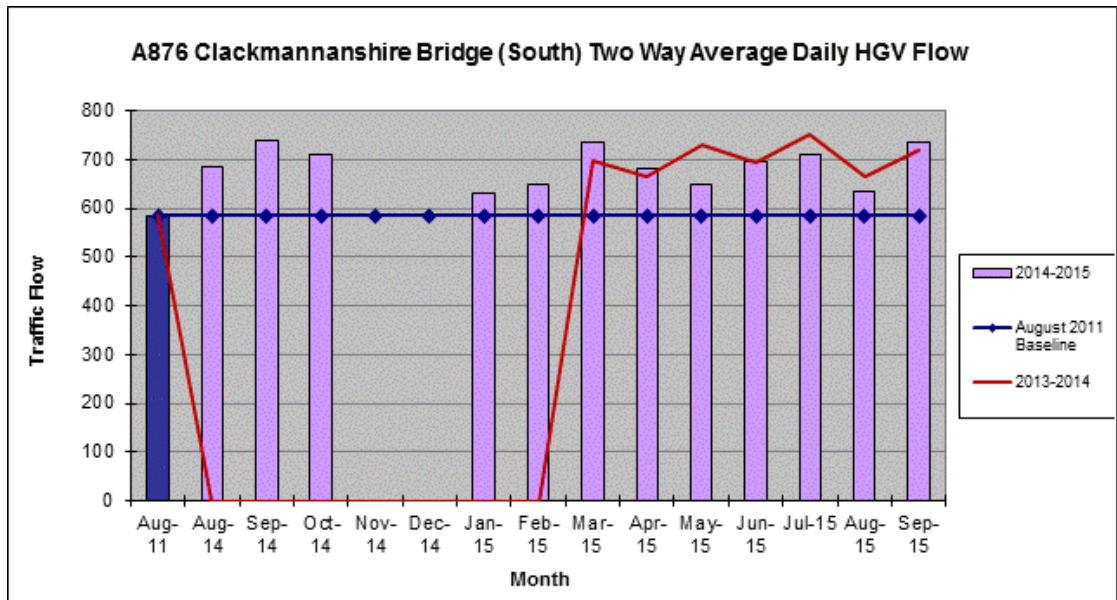


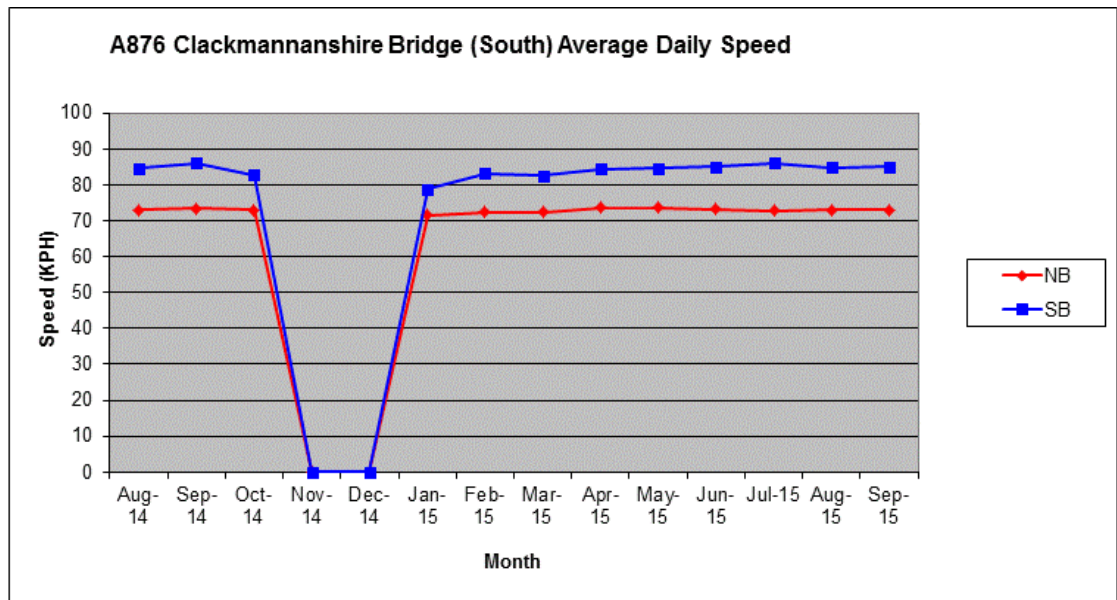
Figure 4-27 Monthly Two Way HGV Traffic Flows on the A876 Clackmannanshire Bridge (South)



#### 4.4.4 Monthly Average All Vehicles Traffic Speeds

**Table 4-16 Site: JTC00507 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00507	A876 Clackmannanshire Bridge (South)	Aug-14	73	85
		Sep-14	73	86
		Oct-14	73	83
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	72	79
		Feb-15	72	83
		Mar-15	72	82
		Apr-15	74	84
		May-15	74	85
		Jun-15	73	85
		Jul-15	73	86
		Aug-15	73	85
		Sep-15	73	85



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

## 4.5 Traffic Counter JTC00573 - A91 between A905 and A907 Junctions

Summary of statistics between August 2014 and September 2015:

- Traffic flows follow a similar pattern to the previous monitoring period, and are similar to the baseline.
- HGV flows peak in July 2015.

### 4.5.1 Monthly Average Traffic Flows

**Table 4-17 Site: JTC00573 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB	SB	Two Way
JTC00573	A91 Between A905 and A907 Junctions	Aug-11	12,351	12,272	24,623
		Aug-14	12,085	11,989	24,075
		Sep-14	12,224	12,213	24,437
		Oct-14	12,058	12,009	24,067
		Nov-14	12,186	12,138	24,324
		Dec-14	11,271	11,208	22,479
		Jan-15	10,918	10,850	21,768
		Feb-15	11,806	11,760	23,566
		Mar-15	12,327	12,218	24,545
		Apr-15	12,116	12,042	24,158
		May-15	11,959	11,949	23,907
		Jun-15	12,195	12,100	24,294
		Jul-15	11,903	14,431	26,334
		Aug-15	12,137	12,289	24,426
		Sep-15	12,572	12,464	25,037
	<b>Annual Average</b>	<b>11,921</b>	<b>12,076</b>	<b>23,996</b>	



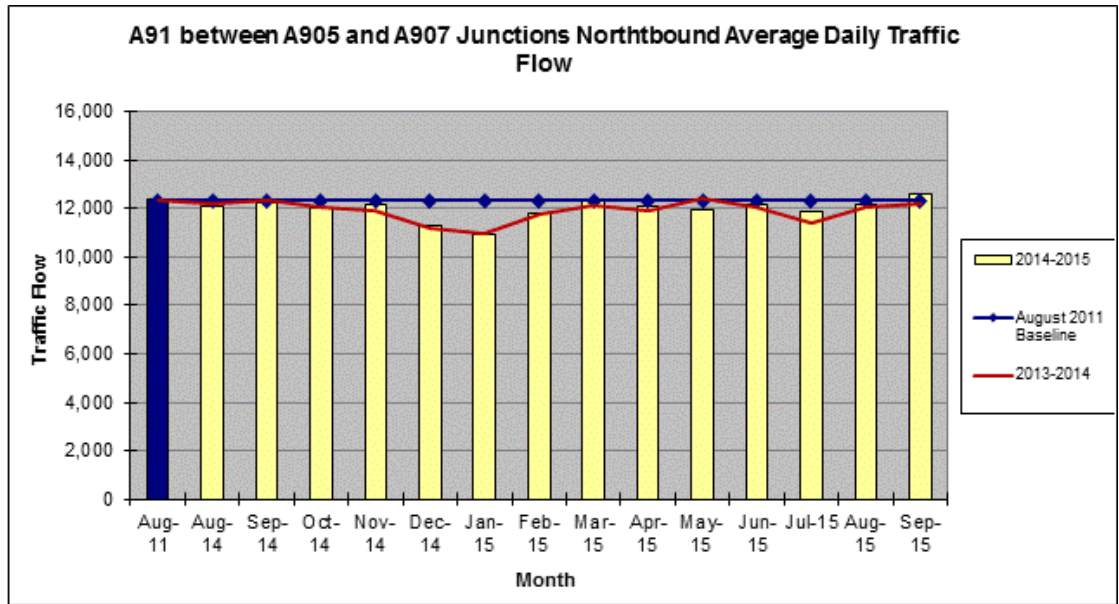


Figure 4-29 Monthly Northbound AADTs on the A91 between A905 and A907 Junctions

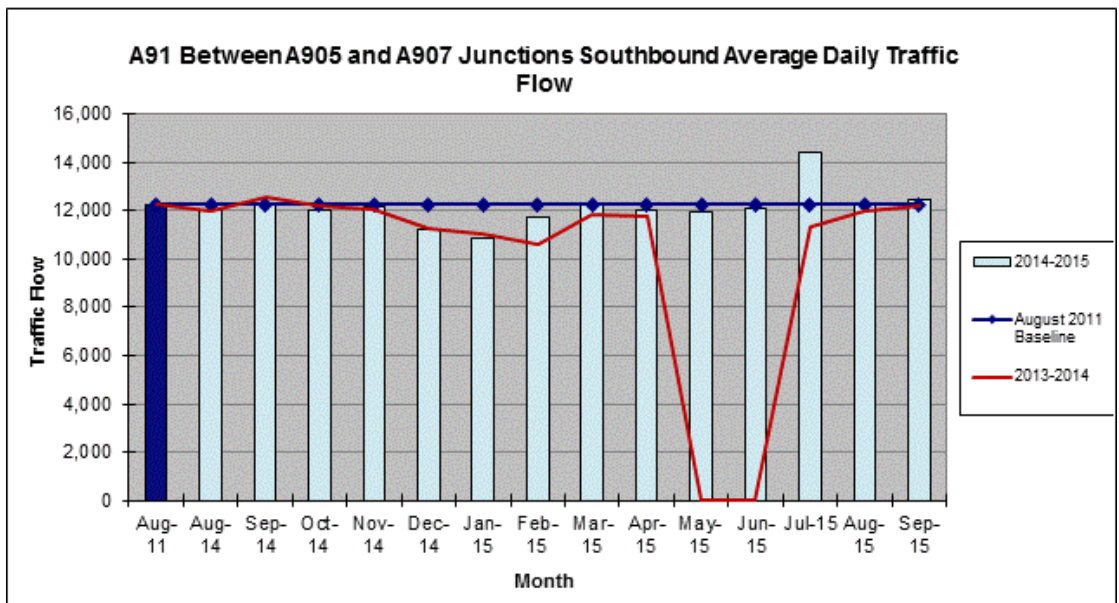


Figure 4-30 Monthly Southbound AADTs on the A91 between A905 and A907 Junctions

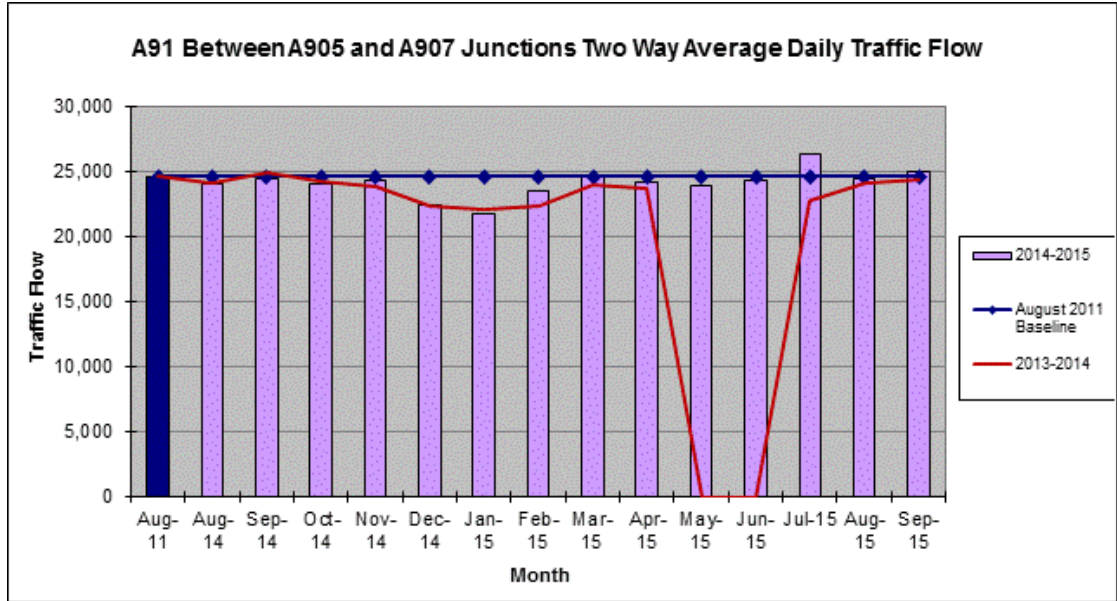


Figure 4-31 Monthly Two Way Daily Traffic Flows on the A91 between A905 and A907 Junctions

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

Table 4-18 Site: JTC00573 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00573	A91 Between A905 and A907 Junctions	Aug-11	4,182	5,788
		Aug-14	4,097	5,565
		Sep-14	4,571	5,798
		Oct-14	4,339	5,767
		Nov-14	3,627	6,118
		Dec-14	2,952	5,483
		Jan-15	3,218	5,593
		Feb-15	3,575	5,985
		Mar-15	3,906	6,191
		Apr-15	4,258	5,567
		May-15	4,184	5,433
		Jun-15	4,479	5,640
		Jul-15	4,541	6,023
		Aug-15	4,197	5,613
Sep-15	4,742	5,883		
		<b>Annual Average</b>	<b>3,979</b>	<b>5,764</b>

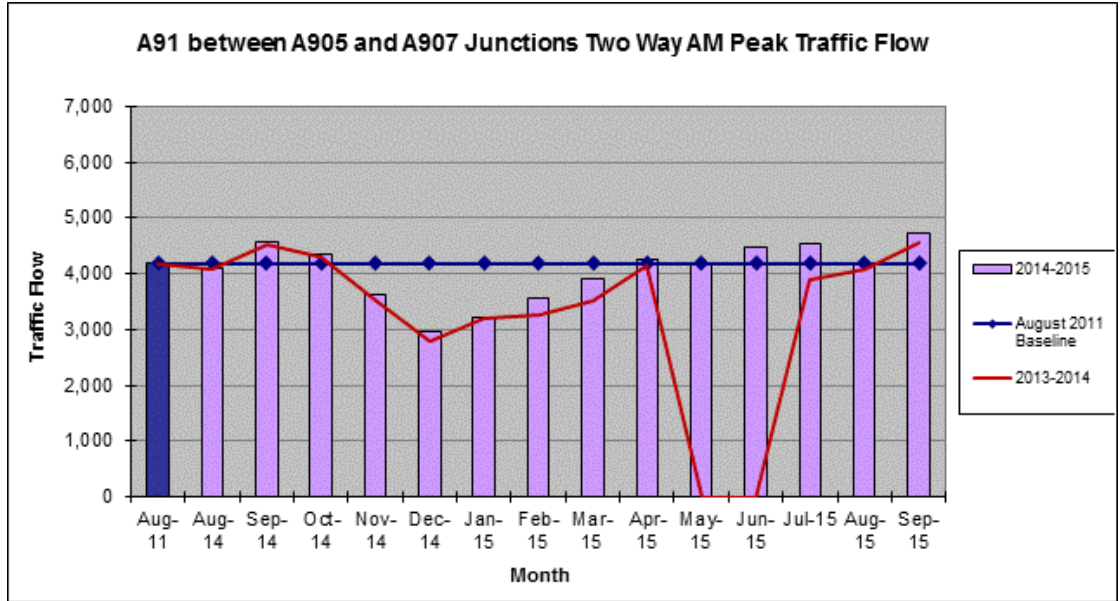


Figure 4-32 Monthly Two Way AM Peak Flows on the A91 between A905 and A907 Junctions

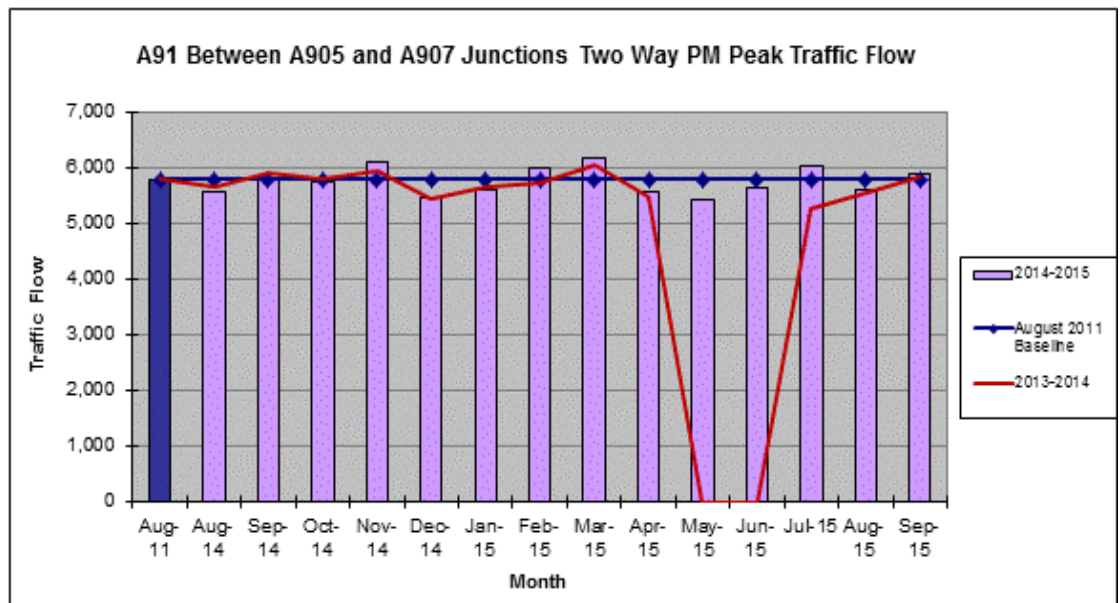


Figure 4-33 Monthly Two Way PM Peak Flows on the A91 between A905 and A907 Junctions

### 4.5.3 Monthly Average HGV Flows

Table 4-19 Site: JTC00573 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00573	A91 Between A905 and A907 Junctions	Aug-11	321
		Aug-14	293
		Sep-14	335
		Oct-14	331
		Nov-14	329
		Dec-14	282
		Jan-15	285
		Feb-15	316
		Mar-15	339
		Apr-15	315
		May-15	283
		Jun-15	323
		Jul-15	469
		Aug-15	313
		Sep-15	344
		<b>Annual Average</b>	<b>325</b>

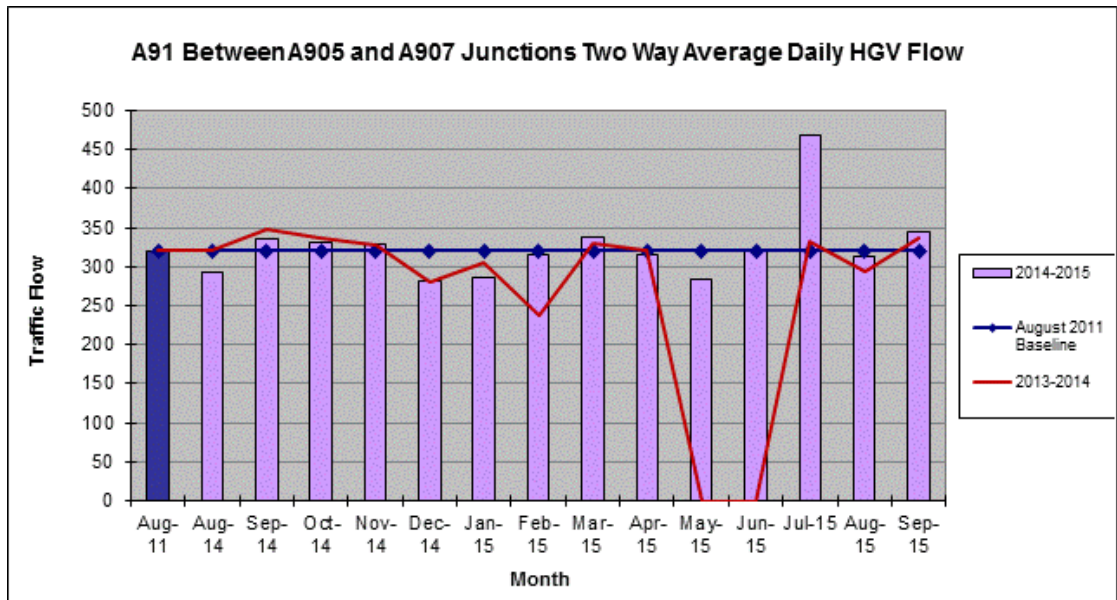


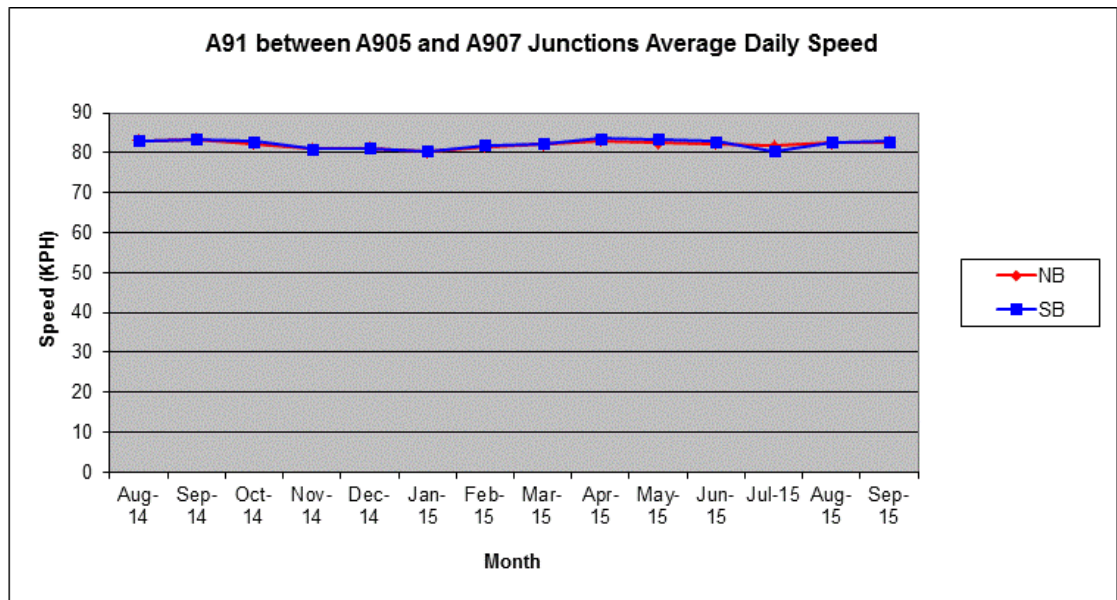
Figure 4-34 Monthly Two Way HGV Traffic Flows on the A91 between A905 and A907 Junctions



#### 4.5.4 Monthly Average All Vehicles Traffic Speeds

**Table 4-20 Site: JTC00573 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00573	A91 Between A905 and A907 Junctions	Aug-14	83	83
		Sep-14	83	83
		Oct-14	82	83
		Nov-14	81	81
		Dec-14	81	81
		Jan-15	80	80
		Feb-15	82	82
		Mar-15	82	82
		Apr-15	83	84
		May-15	82	83
		Jun-15	82	83
		Jul-15	82	80
		Aug-15	82	83
		Sep-15	83	83



**Figure 4-35 Average Monthly Traffic Speeds (KPH) on the A91 between A905 and A907 Junctions**

#### 4.6 Traffic Counter JTC00574 - A921 Admiralty Road (Inverkeithing)

Summary of statistics between August 2014 and September 2015:

- Traffic flows are similar to the August baseline for months which have data available.
- HGV flows are also around the same level as the baseline.

##### 4.6.1 Monthly Average Traffic Flows

**Table 4-21 Site: JTC00574 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB	WB	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	10,523	11,150	21,674
		Aug-14	No Data	No Data	No Data
		Sep-14	No Data	No Data	No Data
		Oct-14	No Data	No Data	No Data
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	11,049	10,997	22,047
		Apr-15	11,141	11,212	22,353
		May-15	11,003	11,024	22,026
		Jun-15	11,342	11,310	22,652
		Jul-15	10,974	11,017	21,991
		Aug-15	11,508	11,951	23,459
Sep-15	10,727	11,075	21,802		
	<b>Annual Average</b>	<b>11,102</b>	<b>11,112</b>	<b>22,214</b>	

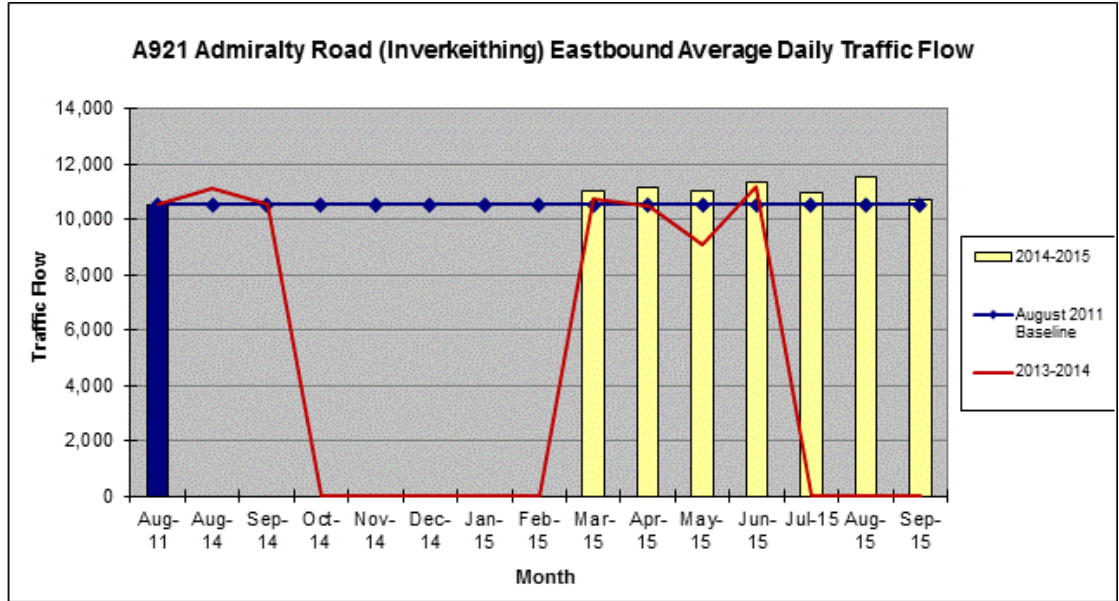


Figure 4-36 Monthly Eastbound AADTs on the A921 Admiralty Road (Inverkeithing)

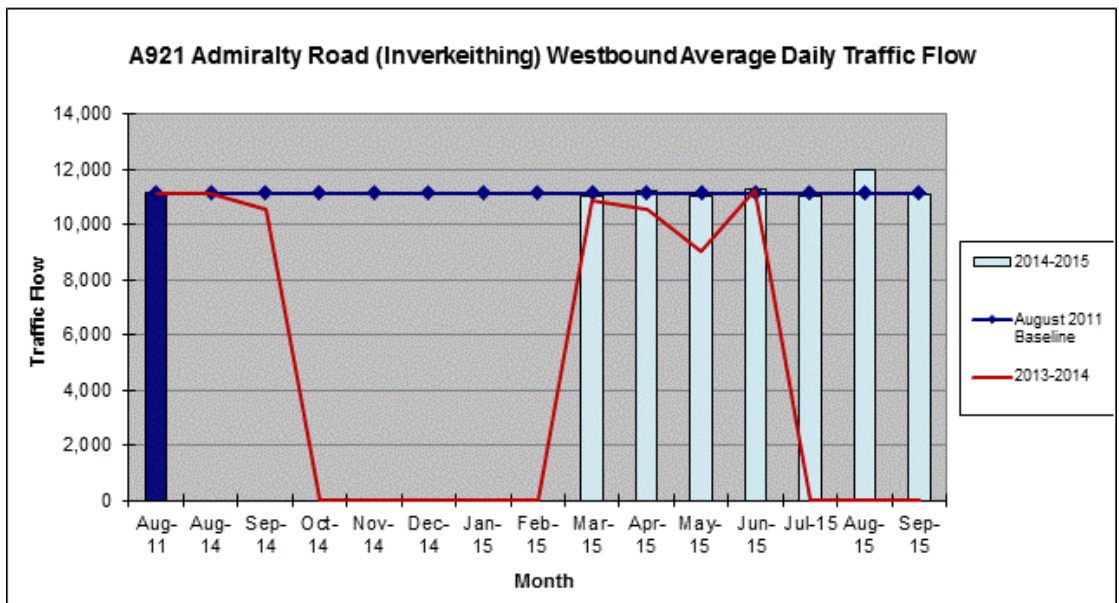


Figure 4-37 Monthly Westbound AADTs on the A921 Admiralty Road (Inverkeithing)

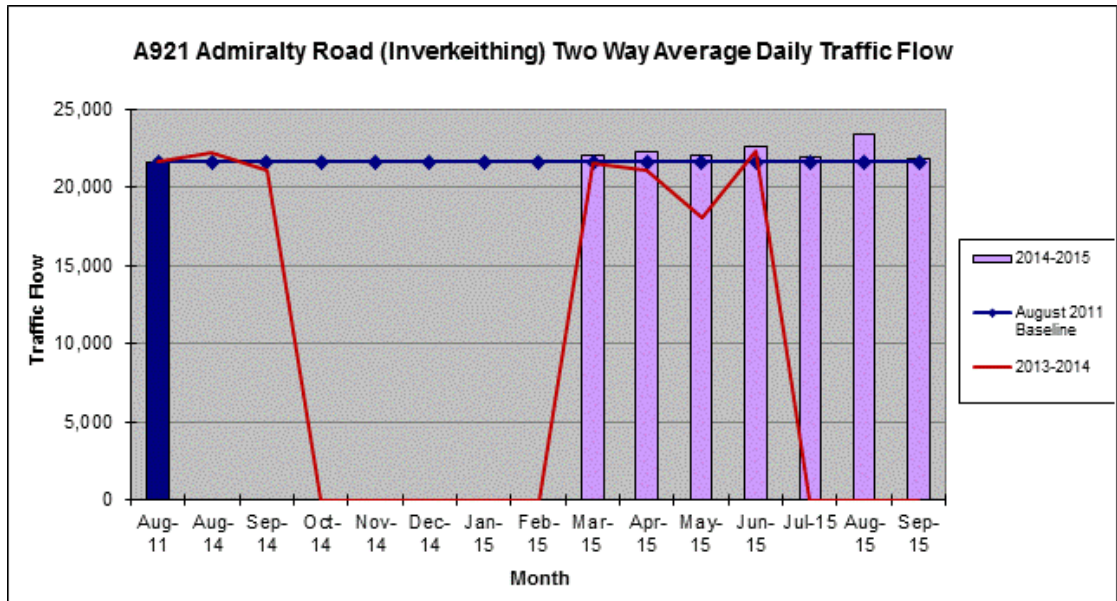


Figure 4-38 Monthly Two Way Daily Traffic Flows on the A921 Admiralty Road (Inverkeithing)

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

Table 4-22 Site: JTC00574 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	3,829	5,153
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	3,964	5,291
		Apr-15	3,895	5,286
		May-15	3,849	5,139
		Jun-15	4,083	5,328
		Jul-15	3,685	5,116
		Aug-15	3,872	5,428
Sep-15	3,762	5,074		
		<b>Annual Average</b>	<b>3,895</b>	<b>5,232</b>



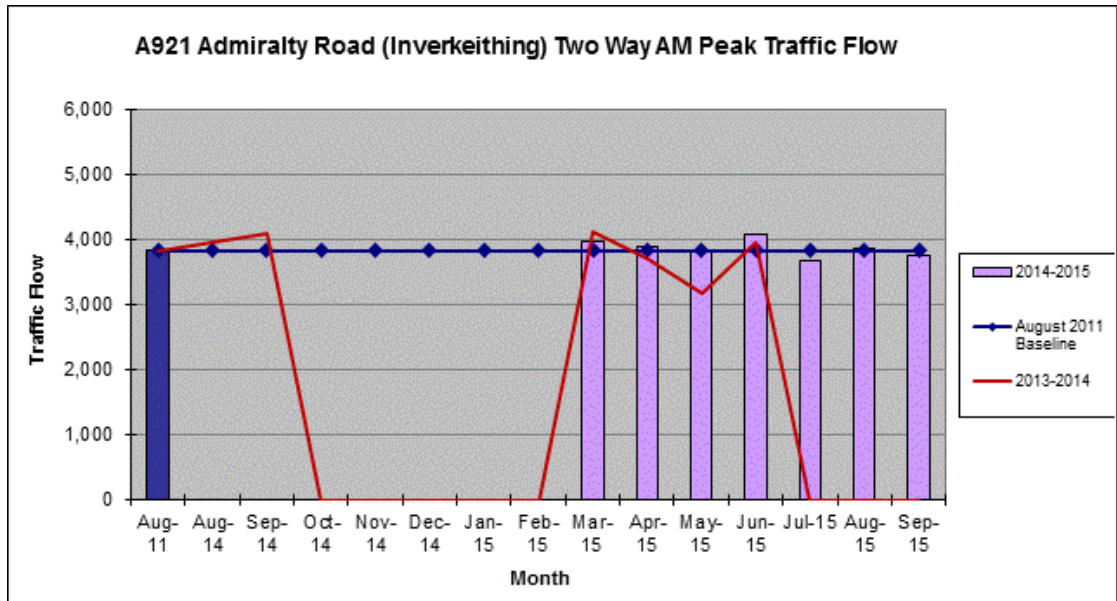


Figure 4-39 Monthly Two Way AM Peak Flows on the A921 Admiralty Road (Inverkeithing)

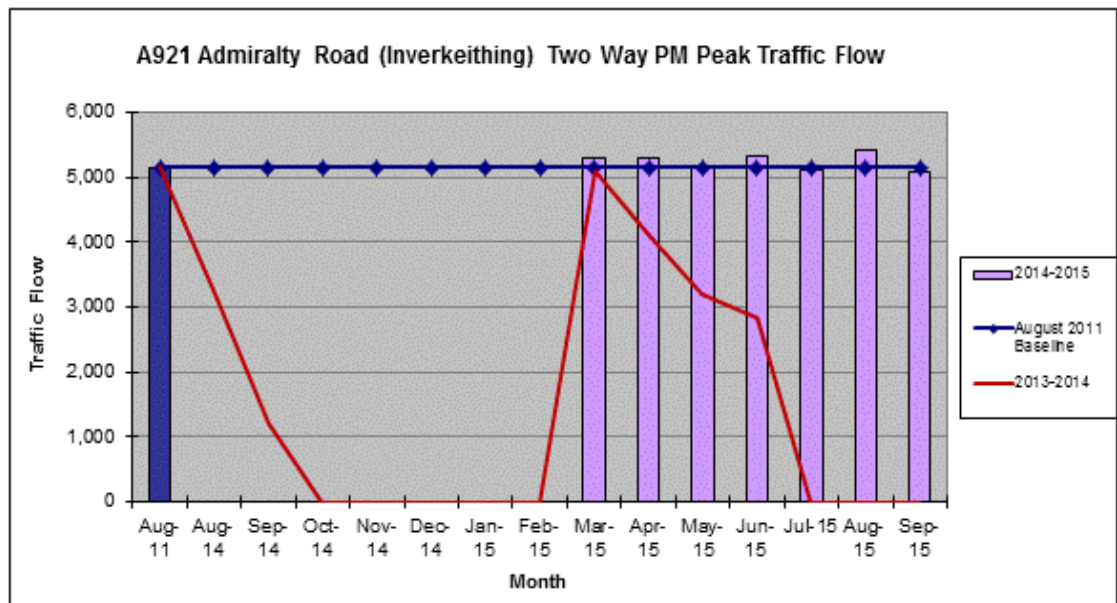


Figure 4-40 Monthly Two Way PM Peak Flows on the A921 Admiralty Road (Inverkeithing)

### 4.6.3 Monthly Average HGV Flows

Table 4-23 Site: JTC00574 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-11	252
		Aug-14	No Data
		Sep-14	No Data
		Oct-14	No Data
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	No Data
		Mar-15	162
		Apr-15	154
		May-15	150
		Jun-15	157
		Jul-15	303
		Aug-15	320
		Sep-15	322
		<b>Annual Average</b>	<b>185</b>

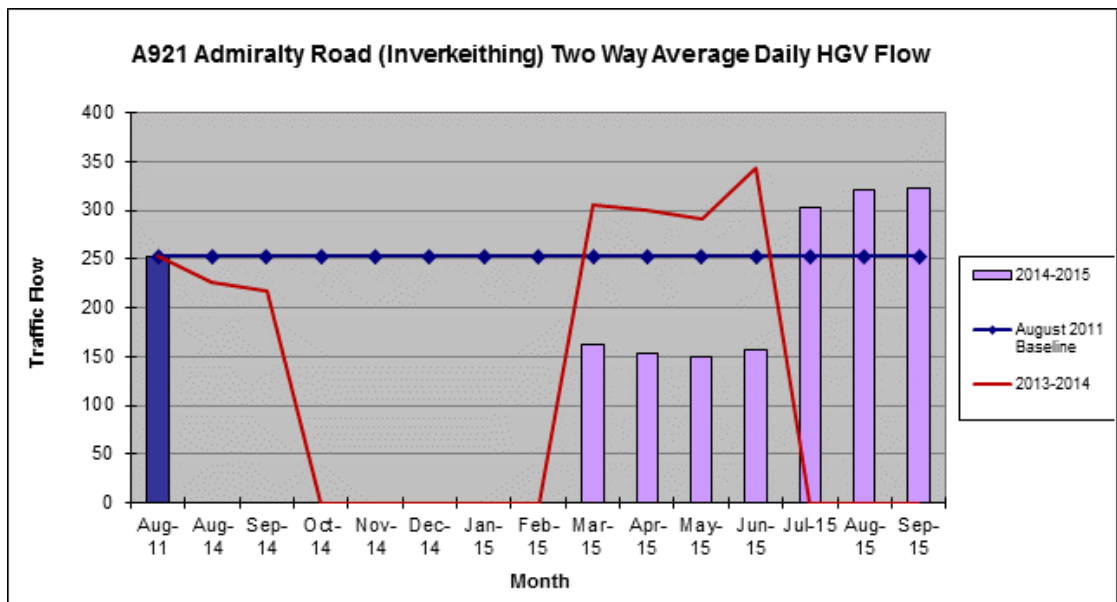
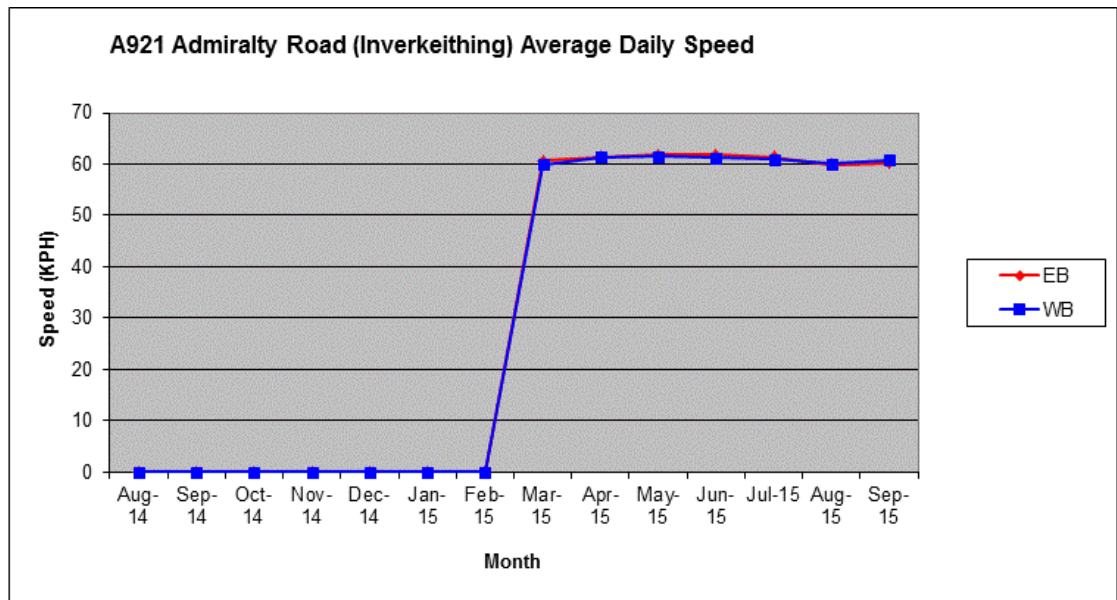


Figure 4-41 Monthly Two Way HGV Traffic Flows on the A921 Admiralty Road (Inverkeithing)

#### 4.6.4 Monthly Average All Vehicles Traffic Speeds

**Table 4-24 Site: JTC00574 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	EB	WB
JTC00574	A921 Admiralty Road (Inverkeithing)	Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	61	60
		Apr-15	61	61
		May-15	62	62
		Jun-15	62	61
		Jul-15	61	61
		Aug-15	60	60
		Sep-15	60	61



**Figure 4-42 Average Monthly Traffic Speeds (KPH) on the A921 Admiralty Road (Inverkeithing)**

#### 4.7 Traffic Counter JTC00578 - A921 Hilton Road (Rosyth)

Summary of statistics between August 2014 and September 2015:

- Northbound HGV traffic flows were generally higher than those recorded in the previous monitoring period. It is likely that this is due to the misclassification of queueing vehicles in the PM Peak.

##### 4.7.1 Monthly Average Traffic Flows

**Table 4-25 Site: JTC00578 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB	SB	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	1,538	1,729	3,267
		Aug-14	1,267	1,451	2,718
		Sep-14	1,580	1,882	3,462
		Oct-14	1,577	1,889	3,466
		Nov-14	No Data	No Data	No Data
		Dec-14	1,433	1,631	3,064
		Jan-15	1,578	1,849	3,427
		Feb-15	1,679	1,977	3,656
		Mar-15	1,767	2,067	3,834
		Apr-15	1,708	1,933	3,641
		May-15	1,680	1,918	3,598
		Jun-15	1,757	2,067	3,824
		Jul-15	1,392	1,631	3,023
		Aug-15	1,476	1,660	3,136
		Sep-15	1,704	1,957	3,660
		<b>Annual Average</b>	<b>1,584</b>	<b>1,845</b>	<b>3,429</b>

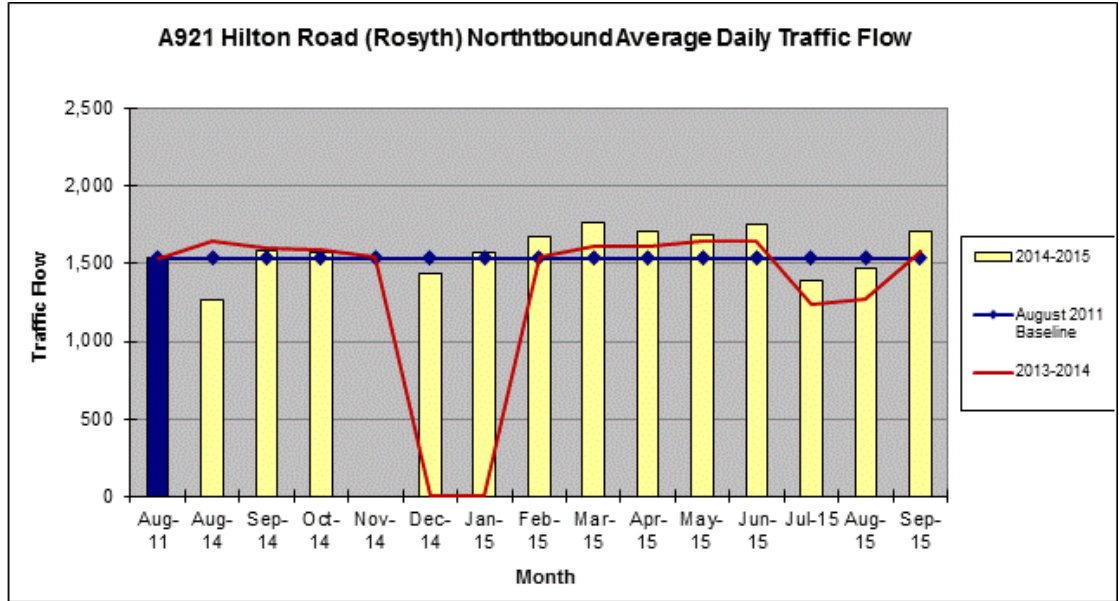


Figure 4-43 Monthly Northbound AADTs on the A921 Hilton Road (Rosyth)

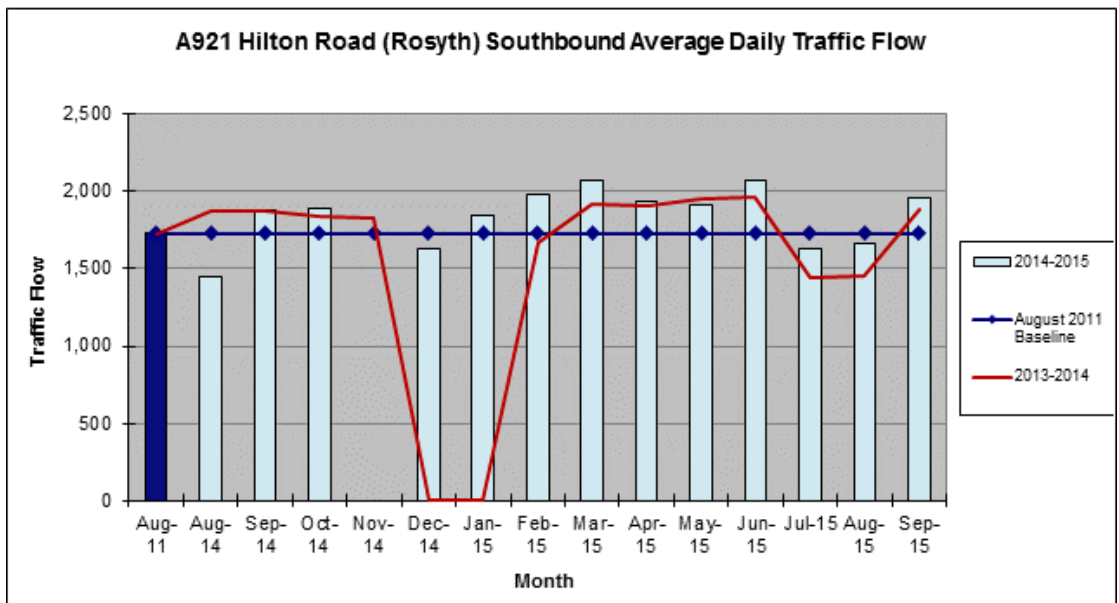


Figure 4-44 Monthly Southbound AADTs on the A921 Hilton Road (Rosyth)

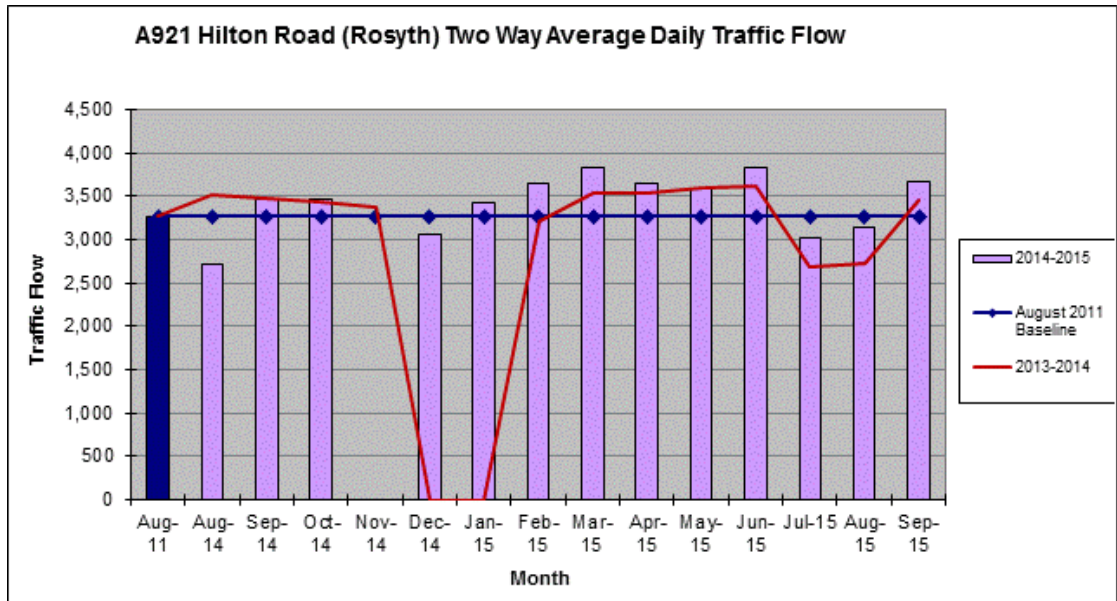


Figure 4-45 Monthly Two Way Daily Traffic Flows on the A921 Hilton Road (Rosyth)

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

Table 4-26 Site: JTC00578 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	839	853
		Aug-14	655	692
		Sep-14	876	873
		Oct-14	960	862
		Nov-14	No Data	No Data
		Dec-14	739	703
		Jan-15	882	866
		Feb-15	917	918
		Mar-15	919	950
		Apr-15	491	748
		May-15	500	698
		Jun-15	537	780
		Jul-15	372	632
		Aug-15	398	648
Sep-15	506	767		
		<b>Annual Average</b>	<b>713</b>	<b>793</b>



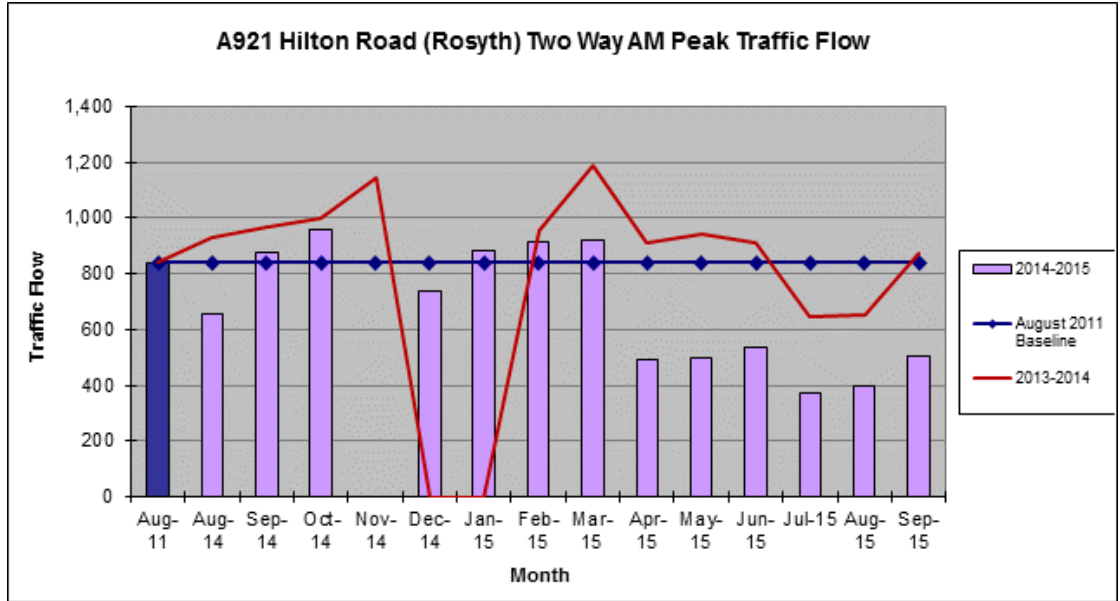


Figure 4-46 Monthly Two Way AM Peak Flows on the A921 Hilton Road (Rosyth)

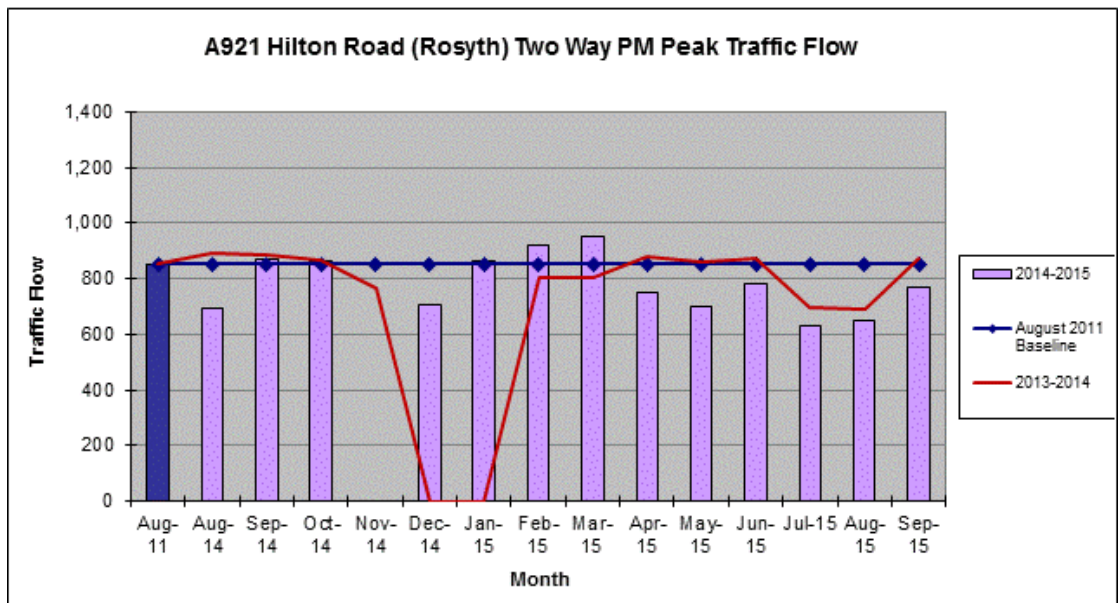


Figure 4-47 Monthly Two Way PM Peak Flows on the A921 Hilton Road (Rosyth)

### 4.7.3 Monthly Average HGV Flows

Table 4-27 Site: JTC00578 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00578	A921 Hilton Road (Rosyth)	Aug-11	6
		Aug-14	13
		Sep-14	16
		Oct-14	16
		Nov-14	No Data
		Dec-14	13
		Jan-15	16
		Feb-15	18
		Mar-15	17
		Apr-15	15
		May-15	15
		Jun-15	16
		Jul-15	14
		Aug-15	16
		Sep-15	20
		<b>Annual Average</b>	<b>15</b>

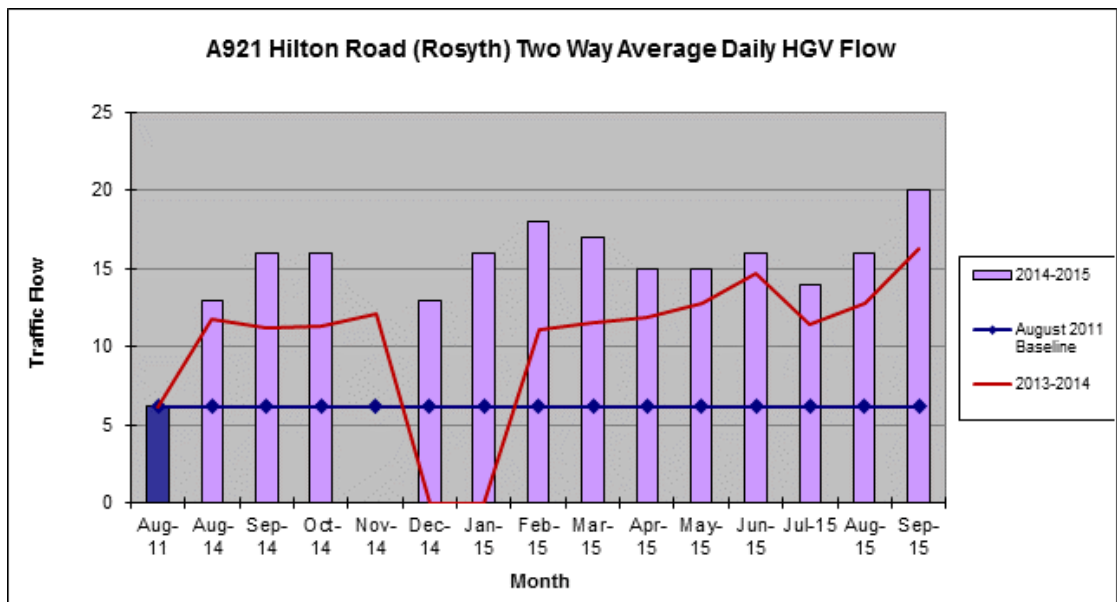


Figure 4-48 Monthly Two Way HGV Traffic Flows on the A921 Hilton Road (Rosyth)



4.7.4 Monthly Average All Vehicles Traffic Speeds

Table 4-28 Site: JTC00578 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	NB	SB
JTC00578	A921 Hilton Road (Rosyth)	Aug-14	36	35
		Sep-14	37	36
		Oct-14	36	35
		Nov-14	No Data	No Data
		Dec-14	36	35
		Jan-15	37	35
		Feb-15	37	35
		Mar-15	37	36
		Apr-15	37	36
		May-15	37	36
		Jun-15	37	35
		Jul-15	37	36
		Aug-15	37	35
		Sep-15	37	35

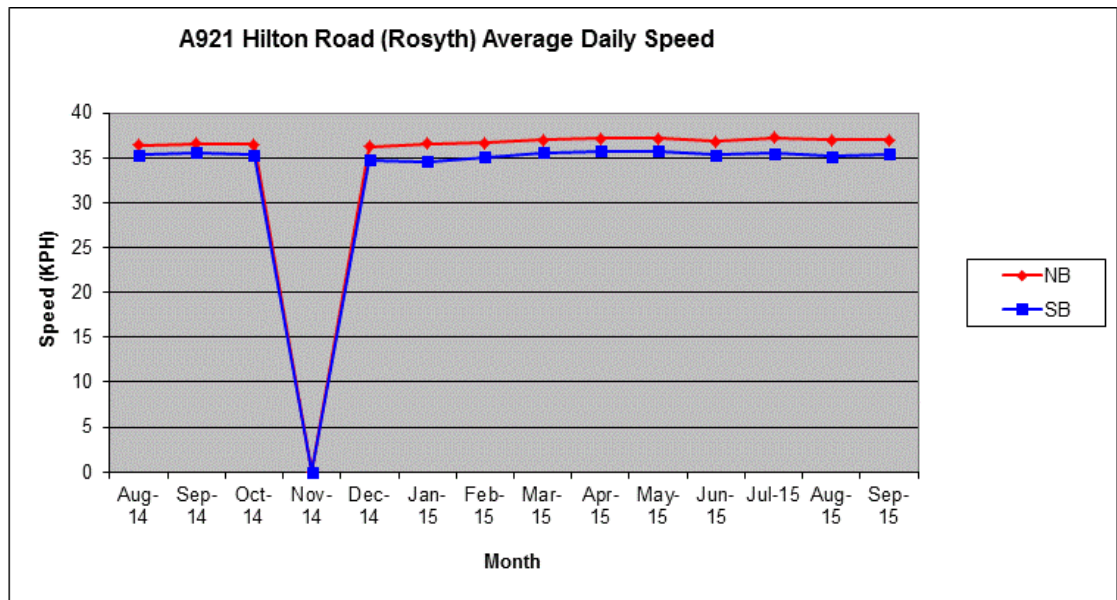


Figure 4-49 Average Monthly Traffic Speeds (KPH) on the A921 Hilton Road (Rosyth)

#### 4.8 Traffic Counter JTC00584 - A907 Halbeath Road

Summary of statistics between August 2014 and September 2015:

- Traffic flows remain at a consistent level throughout the monitoring period, for months which have data available, and are similar to the August 2011 baseline.
- HGV flows follow a similar pattern to general traffic.

##### 4.8.1 Monthly Average Traffic Flows

**Table 4-29 Site: JTC00584 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB	WB	Two Way
JTC00584	A907 Halbeath Road	Aug-11	11,981	11,713	23,694
		Aug-14	11,874	11,503	23,377
		Sep-14	12,040	11,615	23,654
		Oct-14	12,010	11,462	23,472
		Nov-14	11,887	11,576	23,463
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	11,807	11,137	22,944
		Apr-15	11,968	11,671	23,639
		May-15	11,924	11,630	23,554
		Jun-15	12,153	11,817	23,970
		Jul-15	11,721	11,397	23,118
		Aug-15	11,915	11,602	23,517
		Sep-15	11,929	11,626	23,554
	<b>Annual Average</b>	<b>11,932</b>	<b>11,534</b>	<b>23,466</b>	

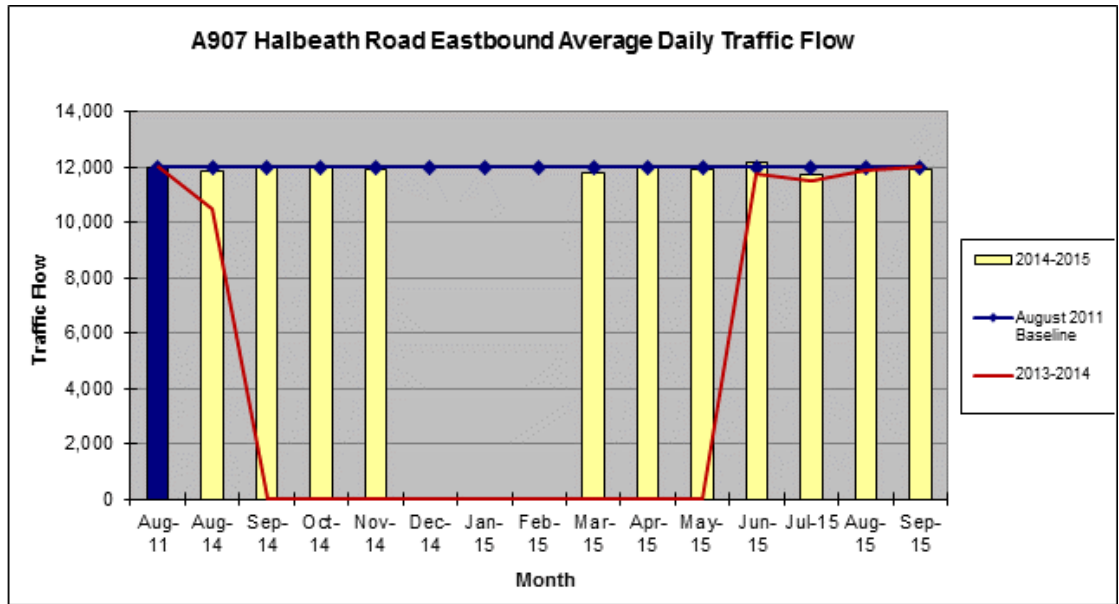


Figure 4-50 Monthly Eastbound AADTs on the A907 Halbeath Road

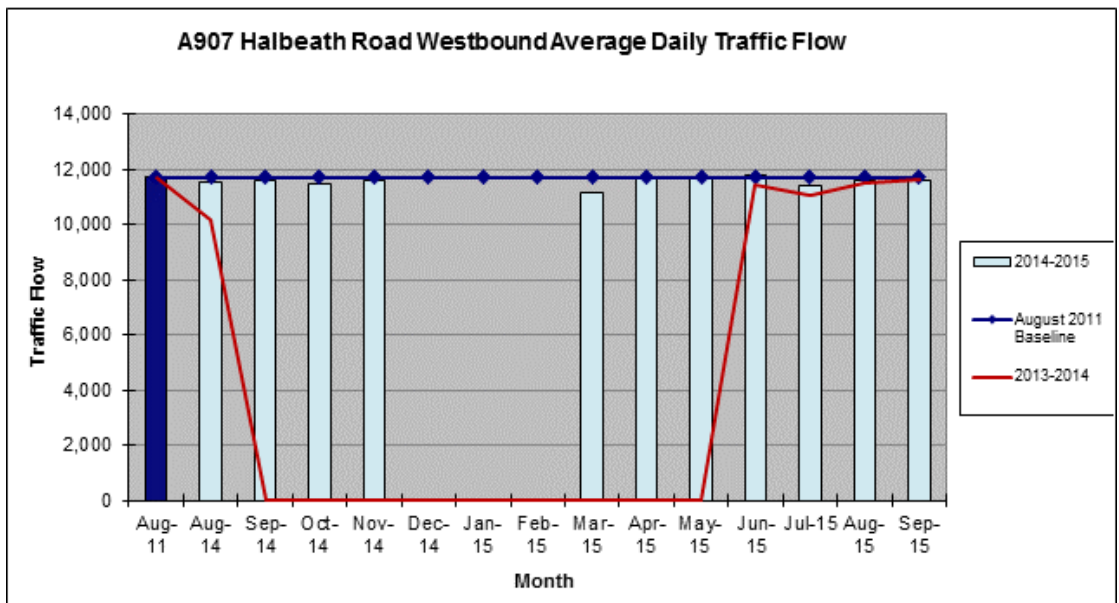


Figure 4-51 Monthly Westbound AADTs on the A907 Halbeath Road

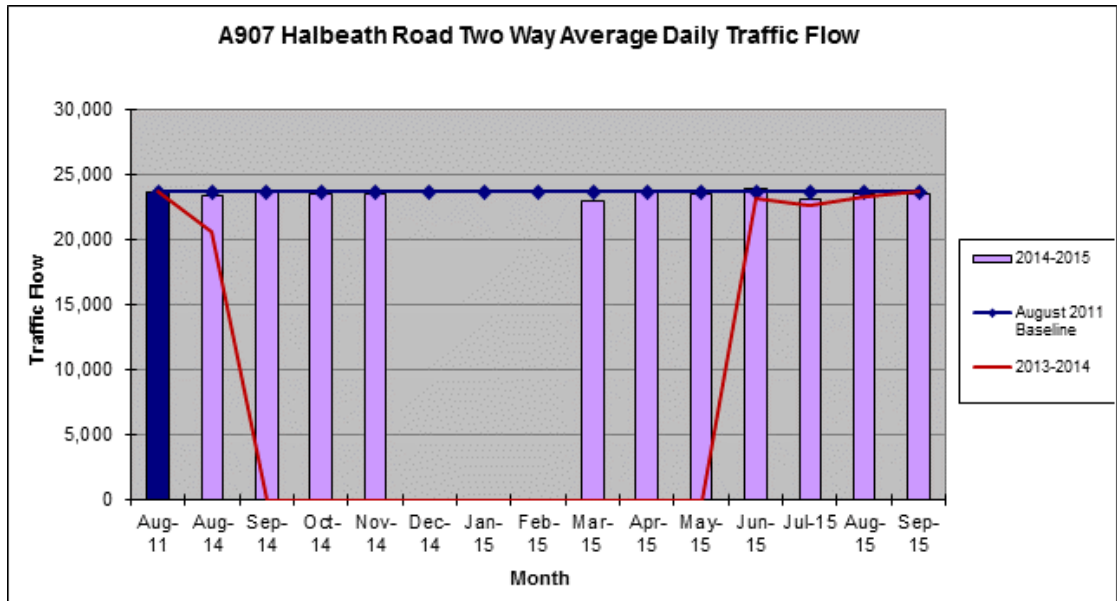


Figure 4-52 Monthly Two Way Daily Traffic Flows on the A907 Halbeath Road

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

Table 4-30 Site: JTC00584 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00584	A907 Halbeath Road	Aug-11	3,784	5,441
		Aug-14	3,578	5,335
		Sep-14	4,048	5,484
		Oct-14	3,806	5,376
		Nov-14	2,906	5,785
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	4,038	5,151
		Apr-15	4,155	4,434
		May-15	4,201	4,365
		Jun-15	4,292	4,555
		Jul-15	3,963	4,436
		Aug-15	3,523	5,364
Sep-15	3,915	5,434		
	<b>Annual Average</b>	<b>3,887</b>	<b>4,991</b>	

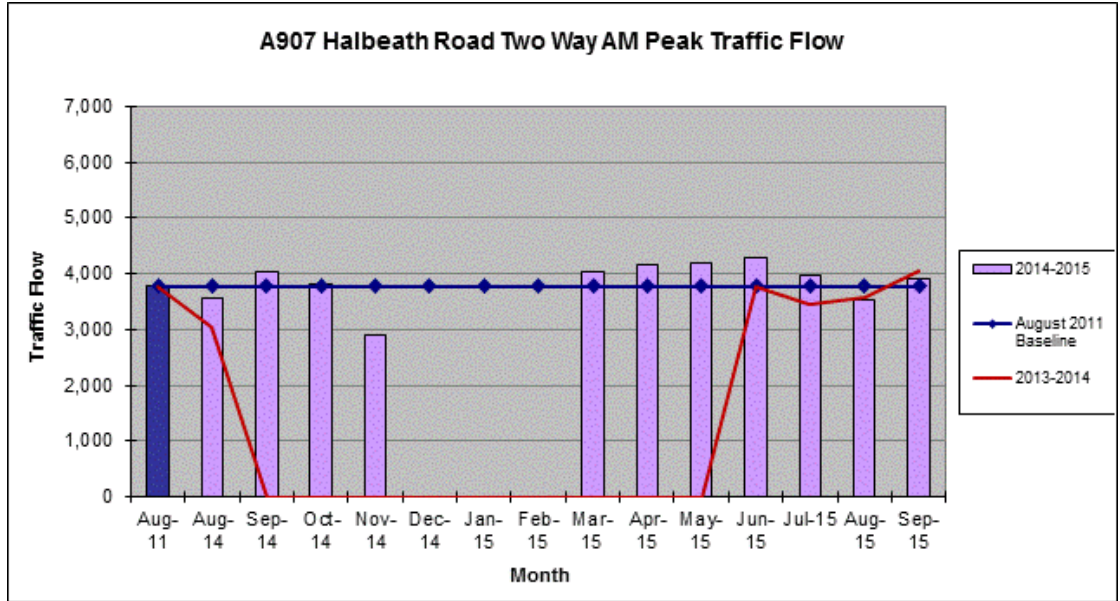


Figure 4-53 Monthly Two Way AM Peak Flows on the A907 Halbeath Road

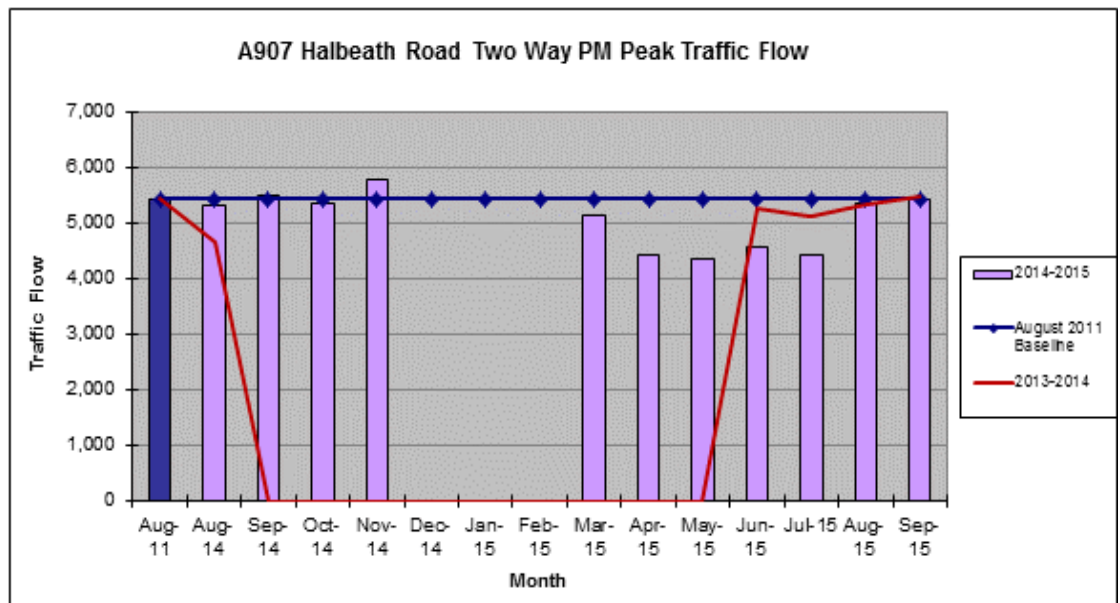


Figure 4-54 Monthly Two Way PM Peak Flows on the A907 Halbeath Road

### 4.8.3 Monthly Average HGV Flows

Table 4-31 Site: JTC00584 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00584	A907 Halbeath Road	Aug-11	268
		Aug-14	285
		Sep-14	288
		Oct-14	273
		Nov-14	269
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	No Data
		Mar-15	267
		Apr-15	261
		May-15	261
		Jun-15	276
		Jul-15	272
		Aug-15	278
		Sep-15	293

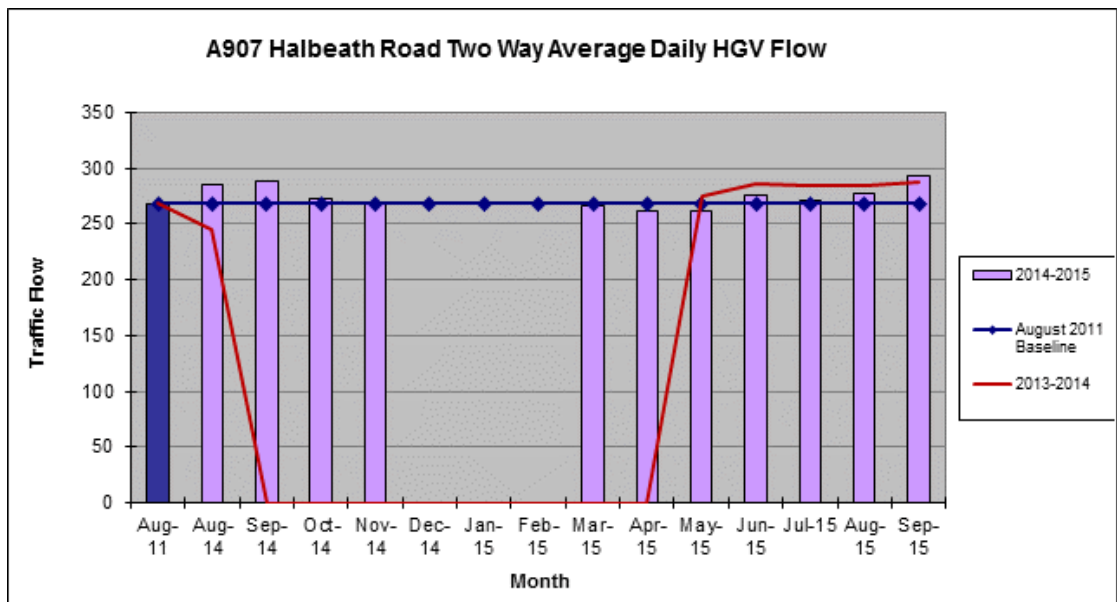
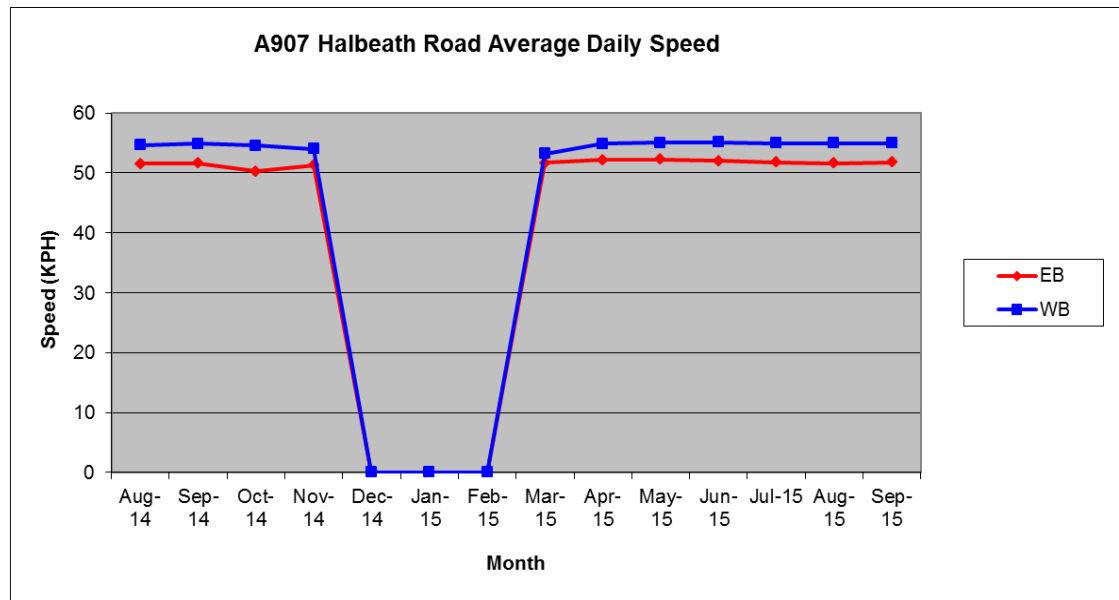


Figure 4-55 Monthly Two Way HGV Traffic Flows on the A907 Halbeath Road

#### 4.8.4 Monthly Average All Vehicles Traffic Speeds

**Table 4-32 Site: JTC00584 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	EB	WB
JTC00584	A907 Halbeath Road	Aug-14	52	55
		Sep-14	52	55
		Oct-14	50	55
		Nov-14	51	54
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	52	53
		Apr-15	52	55
		May-15	52	55
		Jun-15	52	55
		Jul-15	52	55
		Aug-15	52	55
		Sep-15	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 4-33 Site: JTC00598 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	EB	WB	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	7,532	7,299	14,830
		Aug-14	7,398	7,361	14,758
		Sep-14	7,481	7,402	14,883
		Oct-14	6,758	6,843	13,601
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	6,473	6,144	12,617
		Feb-15	No Data	No Data	No Data
		Mar-15	7,561	7,048	14,608
		Apr-15	7,459	7,044	14,503
		May-15	7,628	7,184	14,812
		Jun-15	7,996	7,511	15,507
		Jul-15	7,492	7,133	14,626
		Aug-15	7,698	7,526	15,224
		Sep-15	7,350	7,162	14,512
		<b>Annual Average</b>	<b>7,361</b>	<b>7,074</b>	<b>14,435</b>



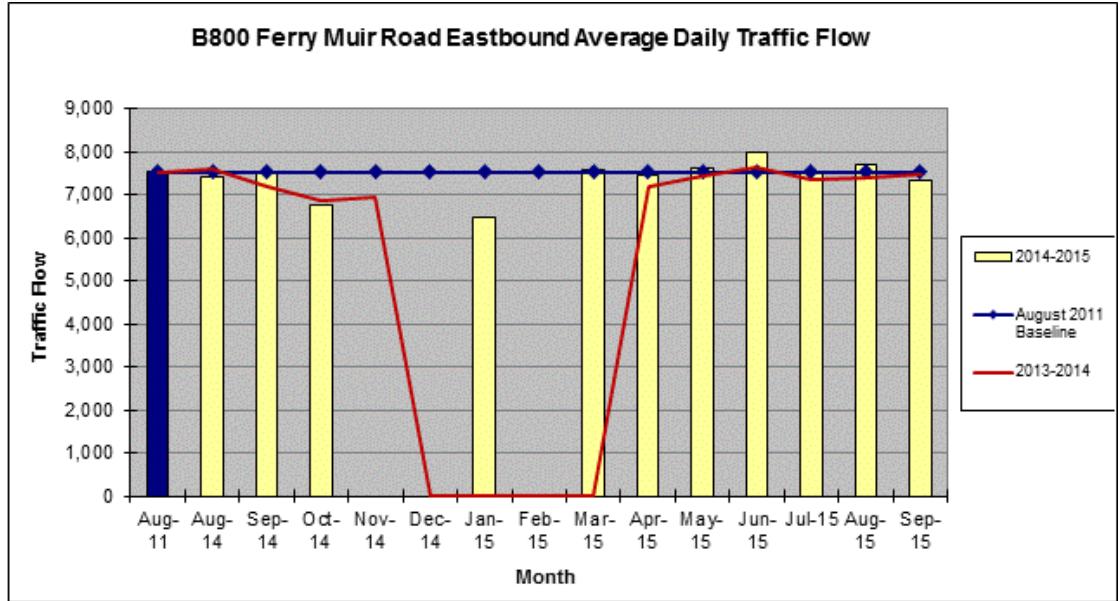


Figure 4-57 Monthly Eastbound AADTs on the B800 Ferry Muir Road

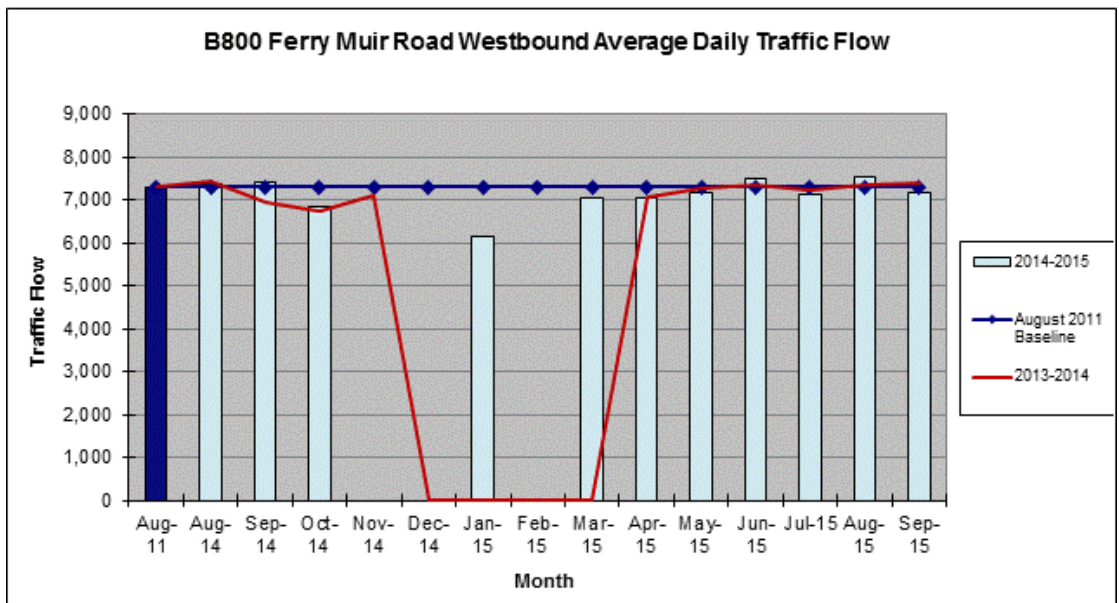


Figure 4-58 Monthly Westbound AADTs on the B800 Ferry Muir Road

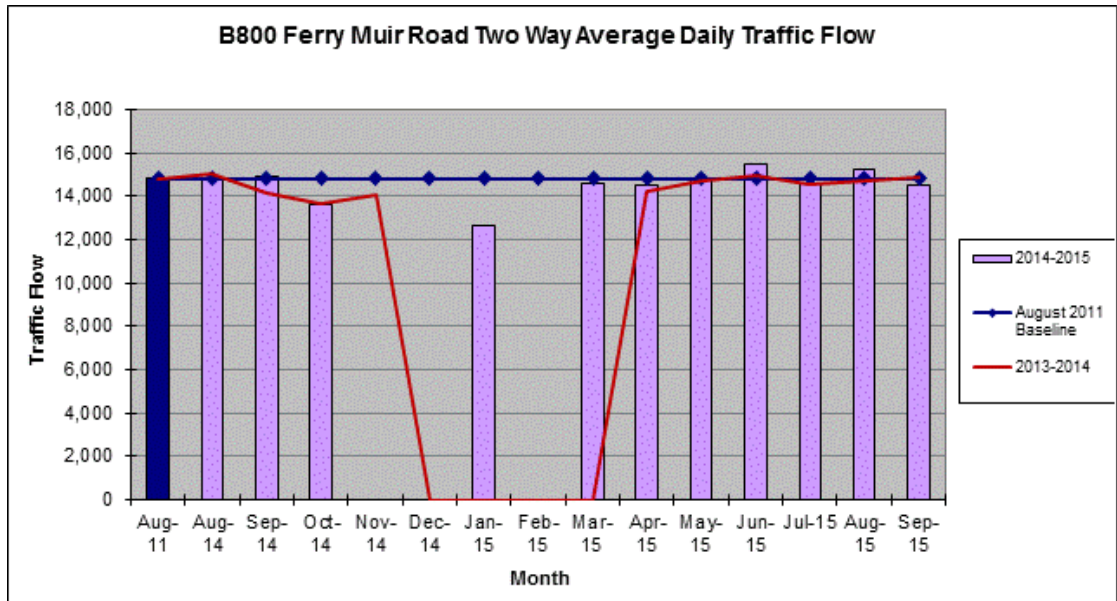


Figure 4-59 Monthly Two Way Daily Traffic Flows on the B800 Ferry Muir Road

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

Table 4-34 Site: JTC00598 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00598	B800 Ferry Muir Road	Aug-11	2,341	3,535
		Aug-14	2,385	3,042
		Sep-14	2,415	3,071
		Oct-14	2,255	3,133
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	2,151	2,942
		Feb-15	No Data	No Data
		Mar-15	2,497	3,334
		Apr-15	2,349	2,961
		May-15	2,391	3,016
		Jun-15	2,591	3,111
		Jul-15	2,339	2,985
		Aug-15	2,451	3,138
Sep-15	2,442	2,996		
		<b>Annual Average</b>	<b>2,375</b>	<b>3,066</b>

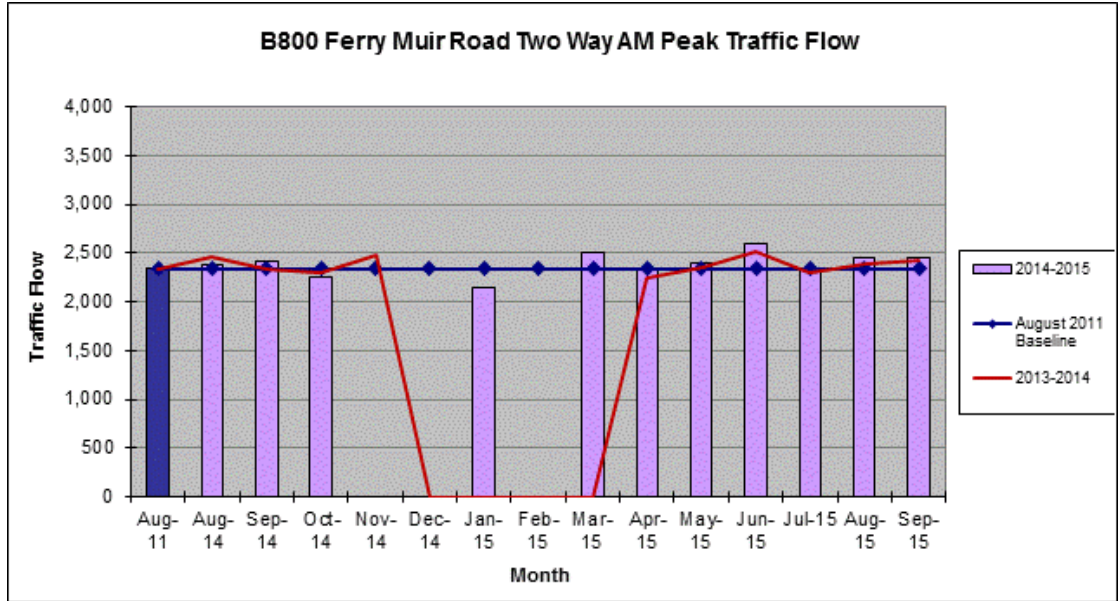


Figure 4-60 Monthly Two Way AM Peak Flows on the B800 Ferry Muir Road

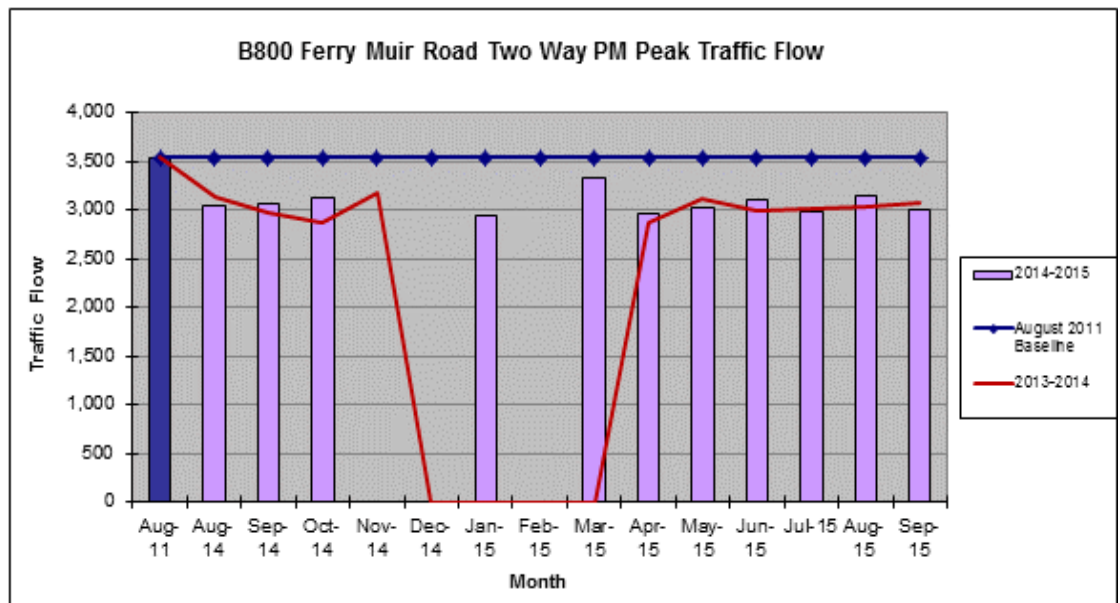


Figure 4-61 Monthly Two Way PM Peak Flows on the B800 Ferry Muir Road

### 4.9.3 Monthly Average HGV Flows

Table 4-35 Site: JTC00598 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00598	B800 Ferry Muir Road	Aug-11	219
		Aug-14	109
		Sep-14	101
		Oct-14	87
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	72
		Feb-15	No Data
		Mar-15	99
		Apr-15	89
		May-15	110
		Jun-15	109
		Jul-15	109
		Aug-15	107
		Sep-15	113

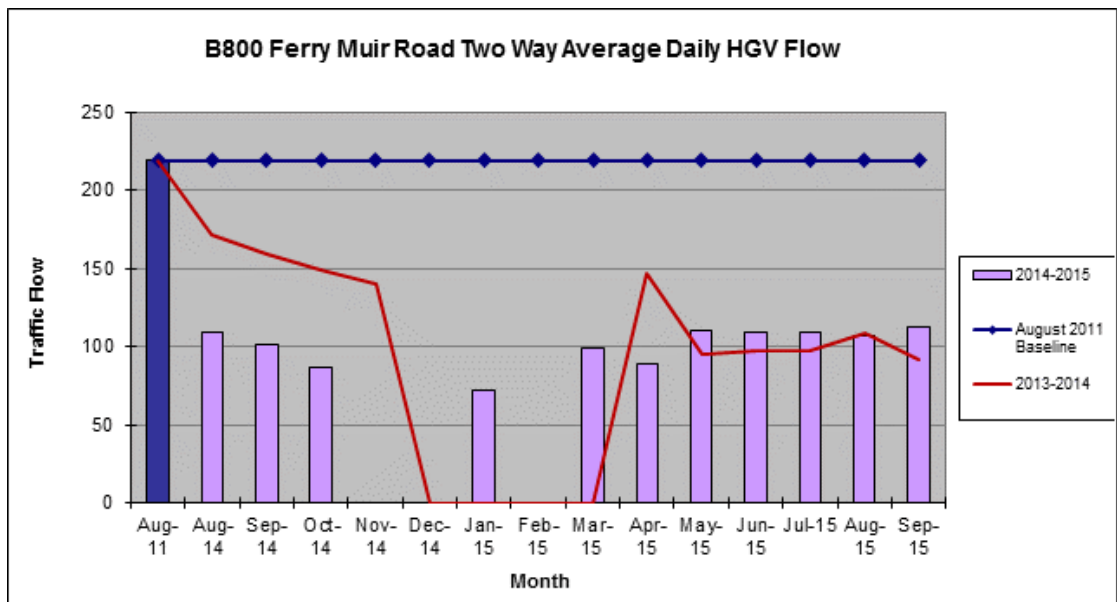
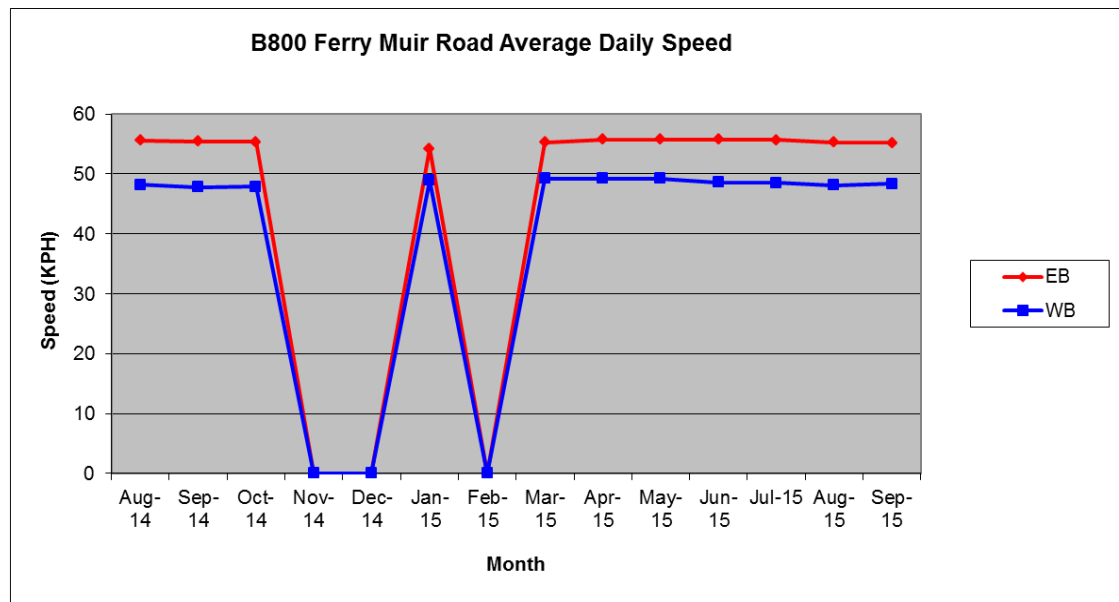


Figure 4-62 Monthly Two Way HGV Traffic Flows on the B800 Ferry Muir Road

#### 4.9.4 Monthly Average All Vehicles Traffic Speeds

**Table 4-36 Site: JTC00598 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	EB	WB
JTC00598	B800 Ferry Muir Road	Aug-14	56	48
		Sep-14	55	48
		Oct-14	55	48
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	54	49
		Feb-15	No Data	No Data
		Mar-15	55	49
		Apr-15	56	49
		May-15	56	49
		Jun-15	56	49
		Jul-15	56	49
		Aug-15	55	48
		Sep-15	55	48



**Figure 4-63 Average Monthly Traffic Speeds (KPH) on the B800 Ferry Muir Road**

## 4.10 Traffic Counter JTC00602 - A89 Edinburgh Road (West of Newbridge)

### 4.10.1 Monthly Average Traffic Flows

Table 4-37 Site: JTC00602 Annual Traffic Flows - August 2014 to September 2015

Counter	Location	Date	EB	WB	Two Way
JTC00602	A89 Edinburgh Road (West of Newbridge)	Aug-11	8,332	8,102	16,434
		Aug-14	8,143	7,858	16,001
		Sep-14	8,592	8,294	16,886
		Oct-14	8,241	7,922	16,163
		Nov-14	8,487	8,243	16,730
		Dec-14	8,575	8,157	16,732
		Jan-15	7,484	7,164	14,648
		Feb-15	No Data	No Data	No Data
		Mar-15	8,649	8,314	16,963
		Apr-15	8,197	7,820	16,017
		May-15	8,258	7,859	16,117
		Jun-15	8,712	8,293	17,005
		Jul-15	8,326	8,132	16,458
		Aug-15	8,718	8,349	17,067
		Sep-15	8,328	8,057	16,385
	<b>Annual Average</b>	<b>8,333</b>	<b>8,005</b>	<b>16,338</b>	



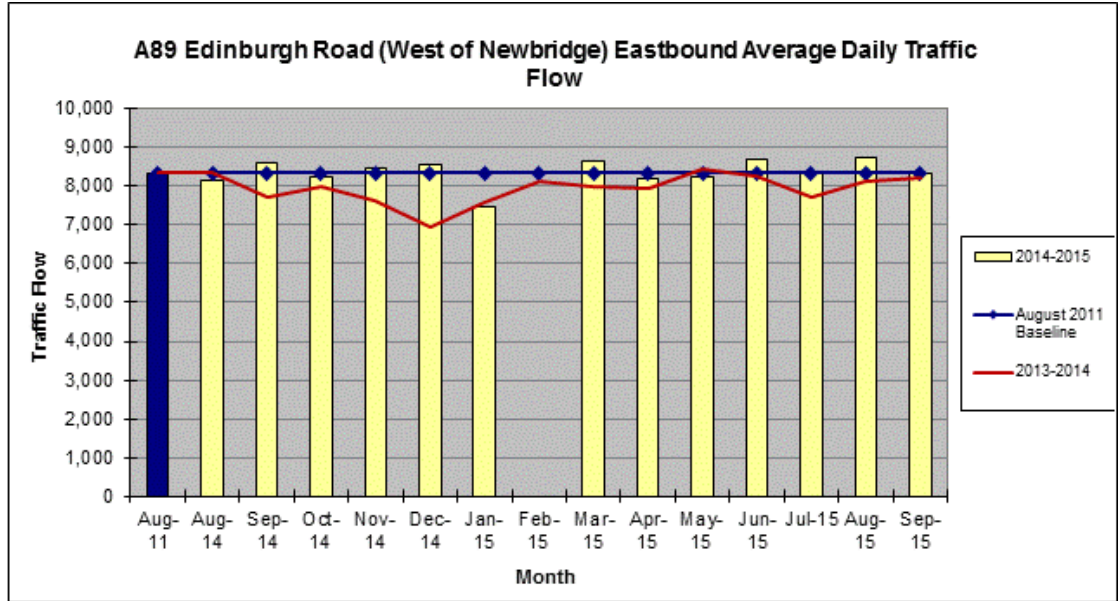


Figure 4-64 Monthly Eastbound AADTs on the A89 Edinburgh Road (West of Newbridge)

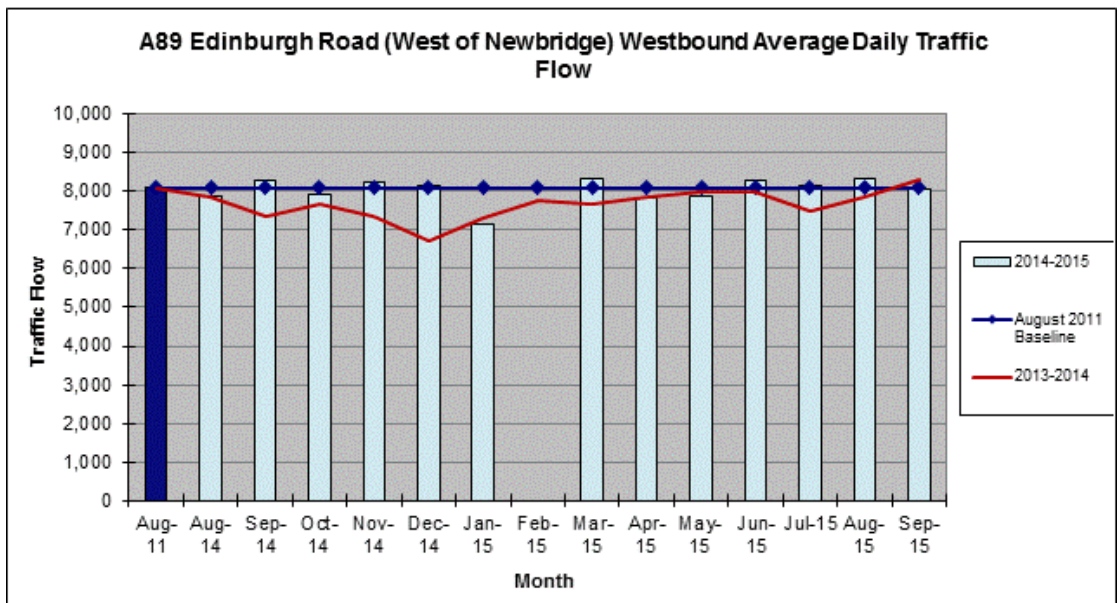


Figure 4-65 Monthly Westbound AADTs on the A89 Edinburgh Road (West of Newbridge)

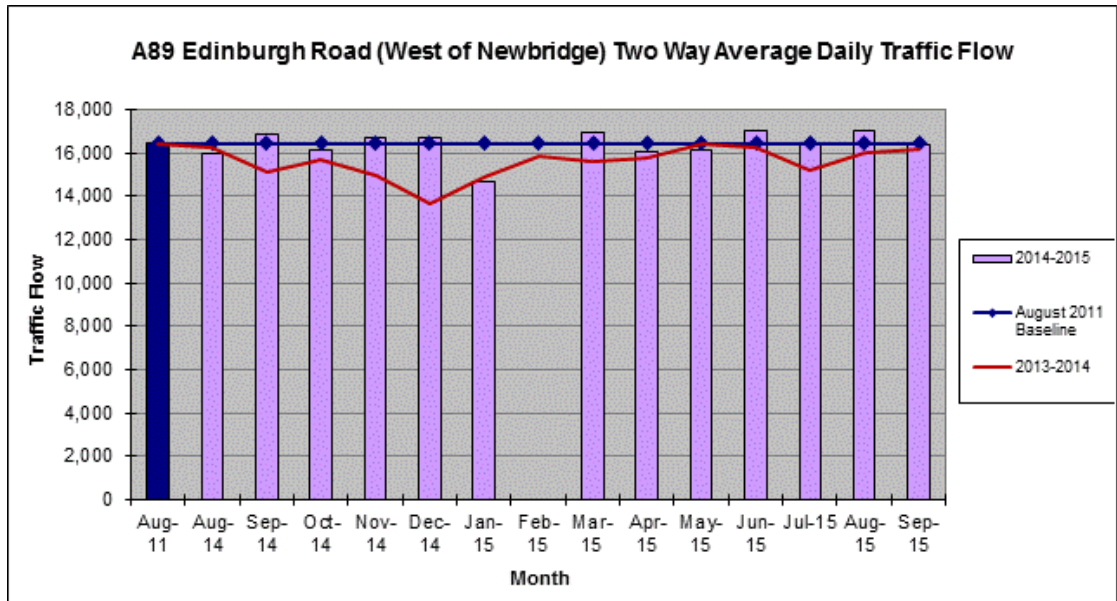


Figure 4-66 Monthly Two Way Daily Traffic Flows on the A89 Edinburgh Road (West of Newbridge)

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

Table 4-38 Site: JTC00602 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00602	A89 Edinburgh Road (West of Newbridge)	Aug-11	3,181	3,762
		Aug-14	3,105	3,494
		Sep-14	3,596	3,788
		Oct-14	3,344	3,585
		Nov-14	3,269	3,959
		Dec-14	3,277	3,866
		Jan-15	2,832	3,486
		Feb-15	No Data	No Data
		Mar-15	3,531	3,714
		Apr-15	2,895	2,731
		May-15	2,923	2,785
		Jun-15	3,123	2,968
		Jul-15	2,930	2,837
		Aug-15	3,109	3,011
Sep-15	2,990	2,857		
	<b>Annual Average</b>	<b>3,166</b>	<b>3,383</b>	



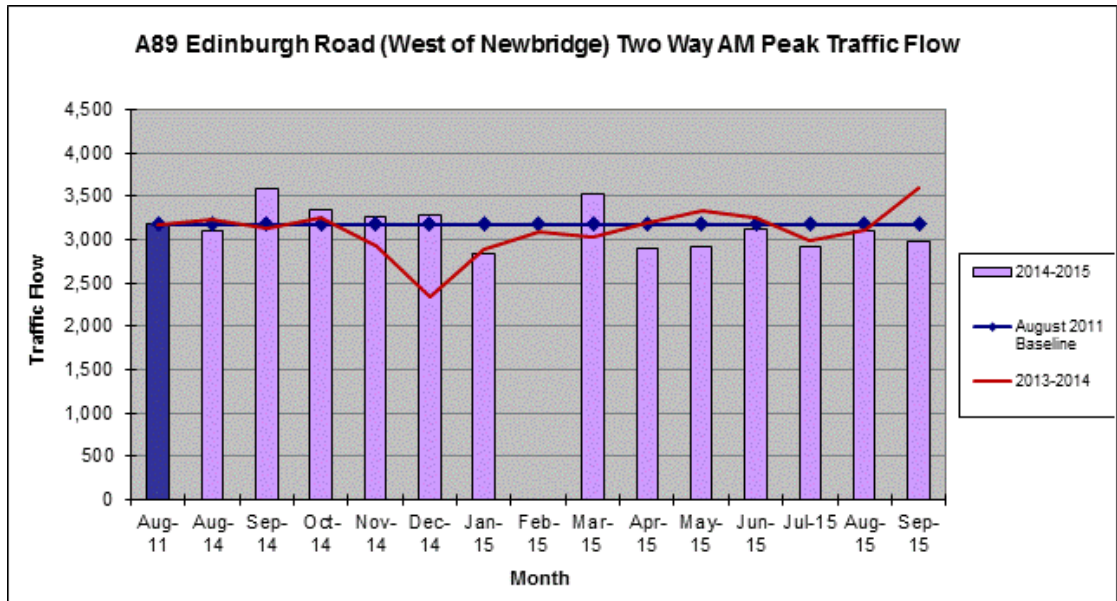


Figure 4-67 Monthly Two Way AM Peak Flows on the A89 Edinburgh Road (West of Newbridge)

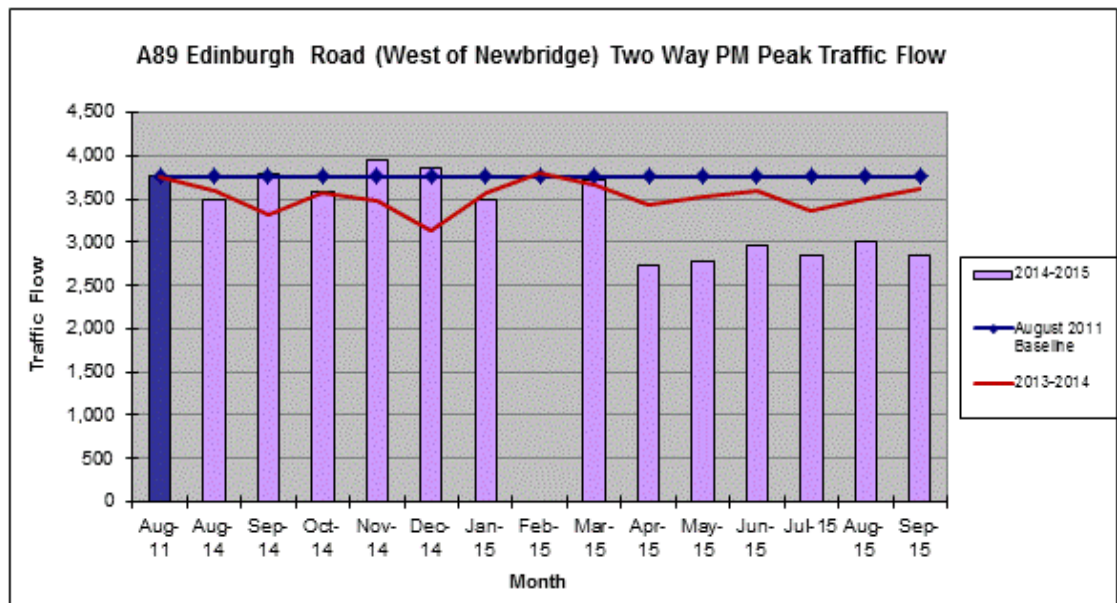


Figure 4-68 Monthly Two Way PM Peak Flows on the A89 Edinburgh Road (West of Newbridge)

### 4.10.3 Monthly Average HGV Flows

Table 4-39 Site: JTC00602 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00602	A89 Edinburgh Road (West of Newbridge)	Aug-11	384
		Aug-14	361
		Sep-14	415
		Oct-14	380
		Nov-14	404
		Dec-14	391
		Jan-15	328
		Feb-15	No Data
		Mar-15	399
		Apr-15	372
		May-15	352
		Jun-15	397
		Jul-15	406
		Aug-15	388
		Sep-15	374
		<b>Annual Average</b>	<b>382</b>

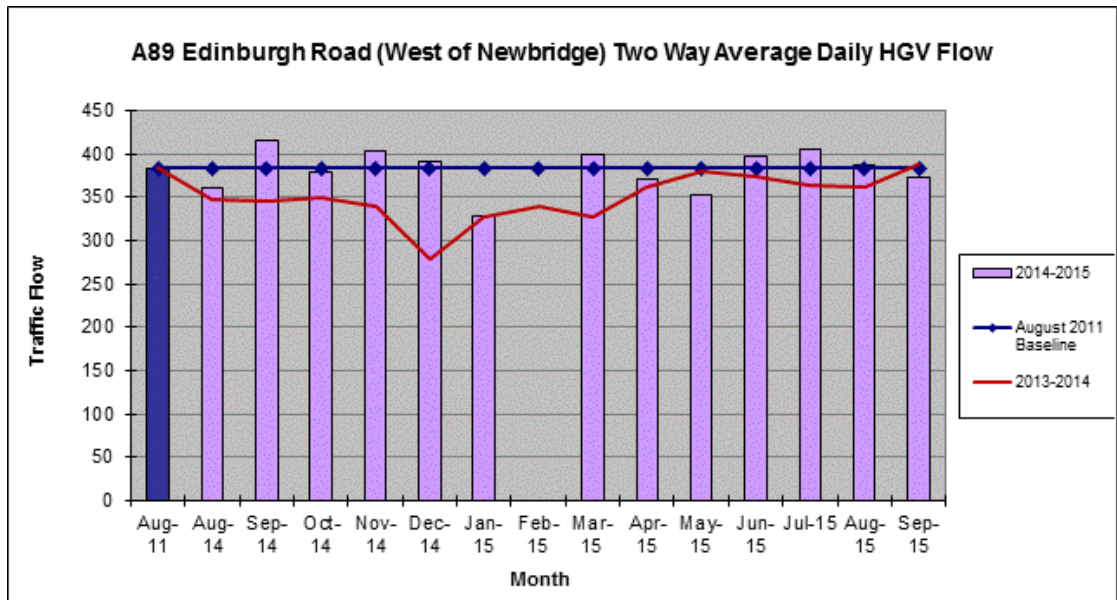


Figure 4-69 Monthly Two Way HGV Traffic Flows on the A89 Edinburgh Road (West of Newbridge)

4.10.4 Monthly Average All Vehicles Traffic Speeds

Table 4-40 Site: JTC00602 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	EB	WB
JTC00602	A89 Edinburgh Road (West of Newbridge)	Aug-14	61	67
		Sep-14	61	67
		Oct-14	60	67
		Nov-14	60	67
		Dec-14	60	66
		Jan-15	60	65
		Feb-15	No Data	No Data
		Mar-15	60	66
		Apr-15	61	68
		May-15	61	68
		Jun-15	61	68
		Jul-15	60	68
		Aug-15	61	67
Sep-15	60	67		

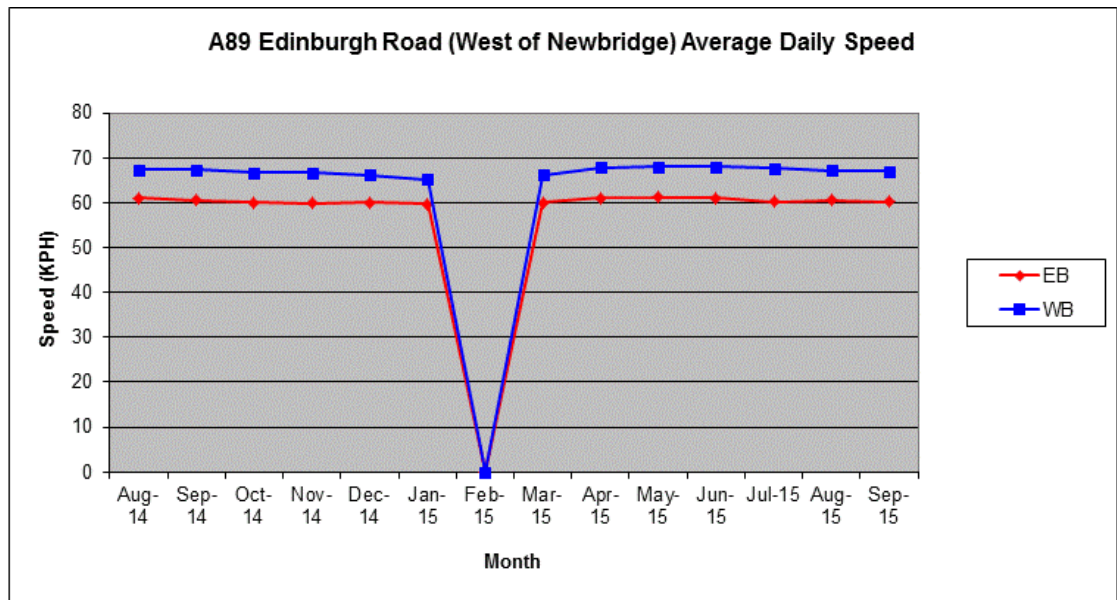


Figure 4-70 Average Monthly Traffic Speeds (KPH) on the A89 Edinburgh Road (West of Newbridge)

## 4.11 Traffic Counter JTC00604 - A71 Calder Road (Riccarton)

### 4.11.1 Monthly Average Traffic Flows

Table 4-41 Site: JTC00604 Annual Traffic Flows - August 2014 to September 2015

Counter	Location	Date	EB	WB	Two Way
JTC00604	A71 Calder Road (Riccarton)	Aug-11	8,559	7,874	16,434
		Aug-14	8,130	7,402	15,531
		Sep-14	8,331	7,595	15,926
		Oct-14	8,454	7,615	16,069
		Nov-14	8,605	7,855	16,460
		Dec-14	7,517	6,930	14,447
		Jan-15	7,038	6,411	13,449
		Feb-15	8,092	7,450	15,542
		Mar-15	No Data	No Data	No Data
		Apr-15	No Data	No Data	No Data
		May-15	8,151	7,475	15,626
		Jun-15	7,641	7,074	14,715
		Jul-15	8,113	7,498	15,611
		Aug-15	8,577	7,876	16,453
		Sep-15	8,394	7,781	16,175
	<b>Annual Average</b>	<b>8,007</b>	<b>7,330</b>	<b>15,338</b>	

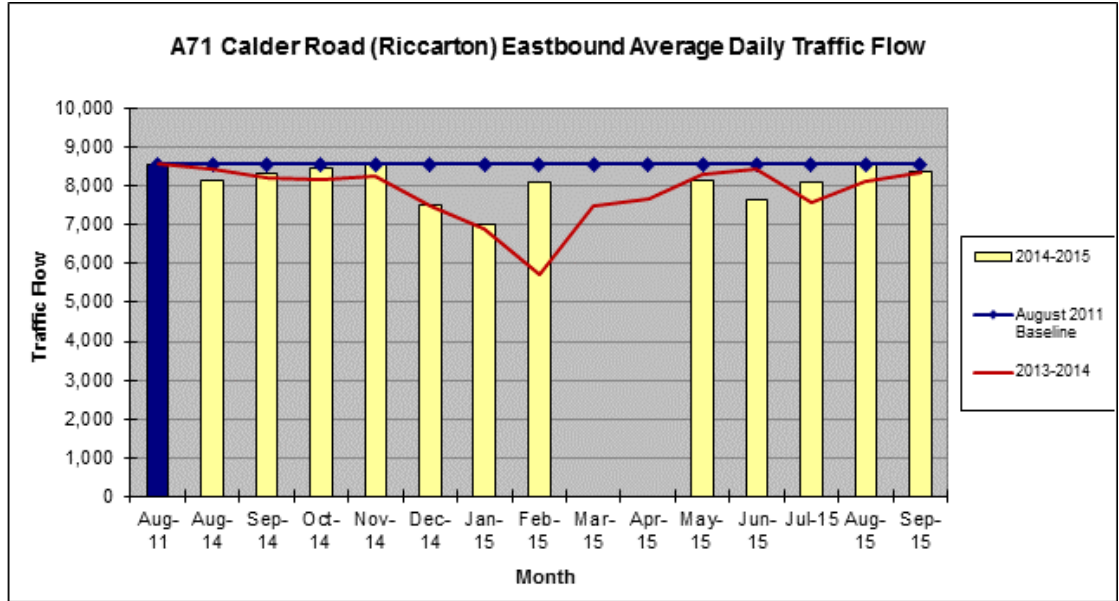


Figure 4-71 Monthly Eastbound AADTs on the A71 Calder Road (Riccarton)

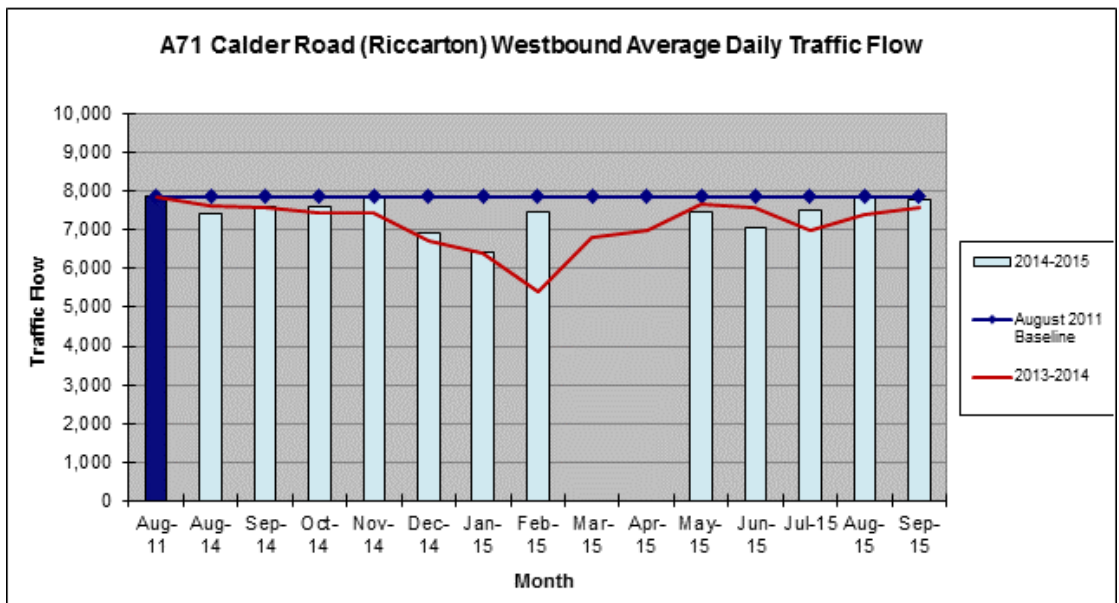


Figure 4-72 Monthly Westbound AADTs on the A71 Calder Road (Riccarton)

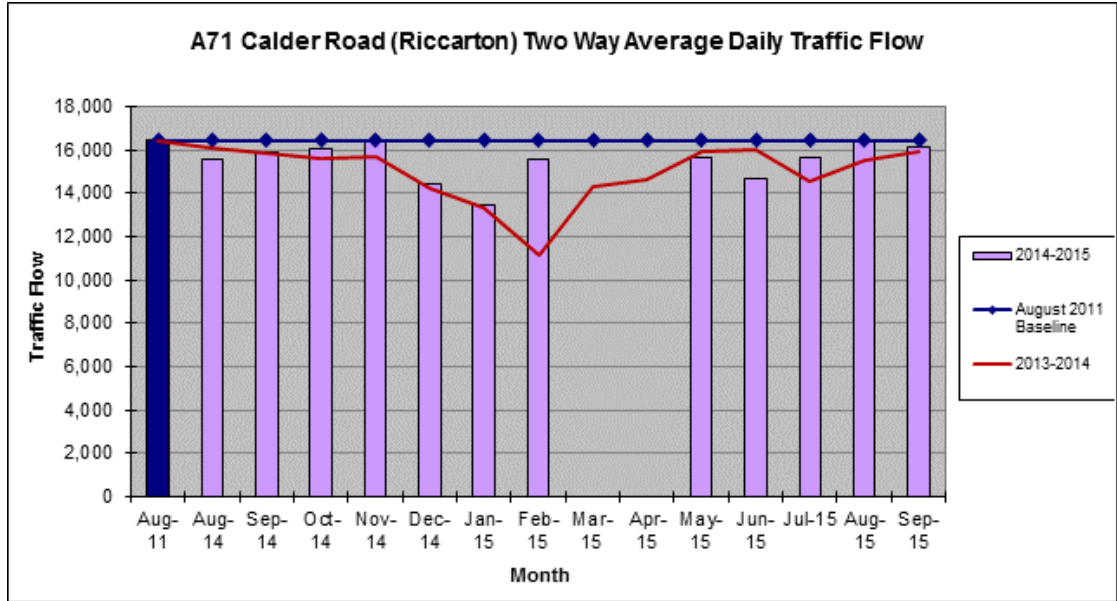


Figure 4-73 Monthly Two Way Daily Traffic Flows on the A71 Calder Road (Riccarton)

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

Table 4-42 Site: JTC00604 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00604	A71 Calder Road (Riccarton)	Aug-11	3,332	4,258
		Aug-14	2,966	3,986
		Sep-14	3,340	4,199
		Oct-14	3,355	4,225
		Nov-14	3,176	4,403
		Dec-14	2,513	3,683
		Jan-15	2,390	3,725
		Feb-15	3,273	4,045
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	3,069	3,972
		Jun-15	2,846	3,936
		Jul-15	3,157	4,062
		Aug-15	3,160	4,298
Sep-15	3,326	4,300		
	<b>Annual Average</b>	<b>3,008</b>	<b>4,024</b>	



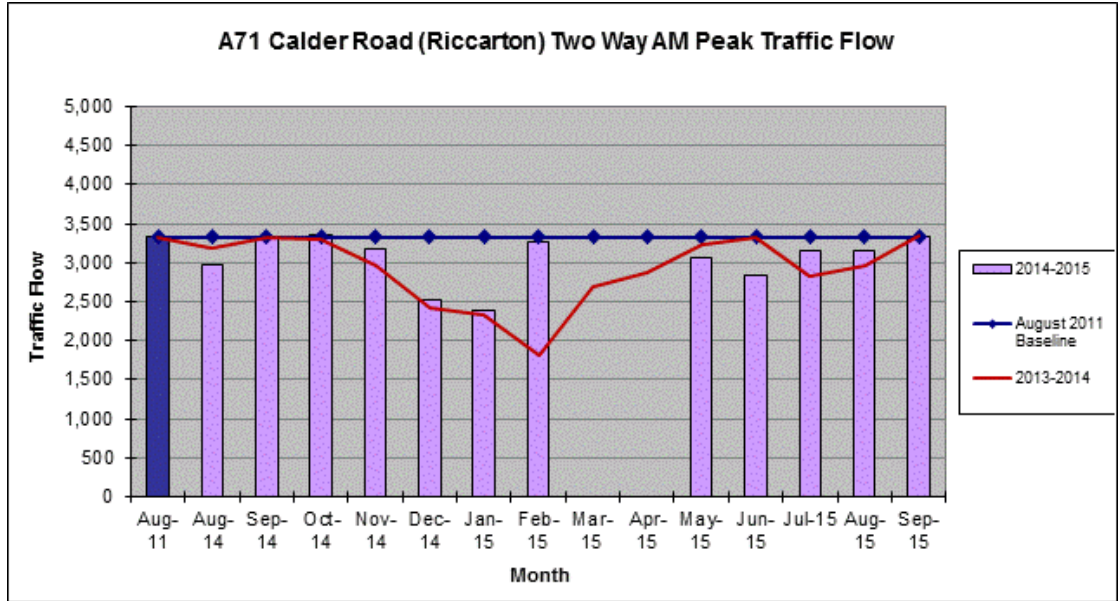


Figure 4-74 Monthly Two Way AM Peak Flows on the A71 Calder Road (Riccarton)

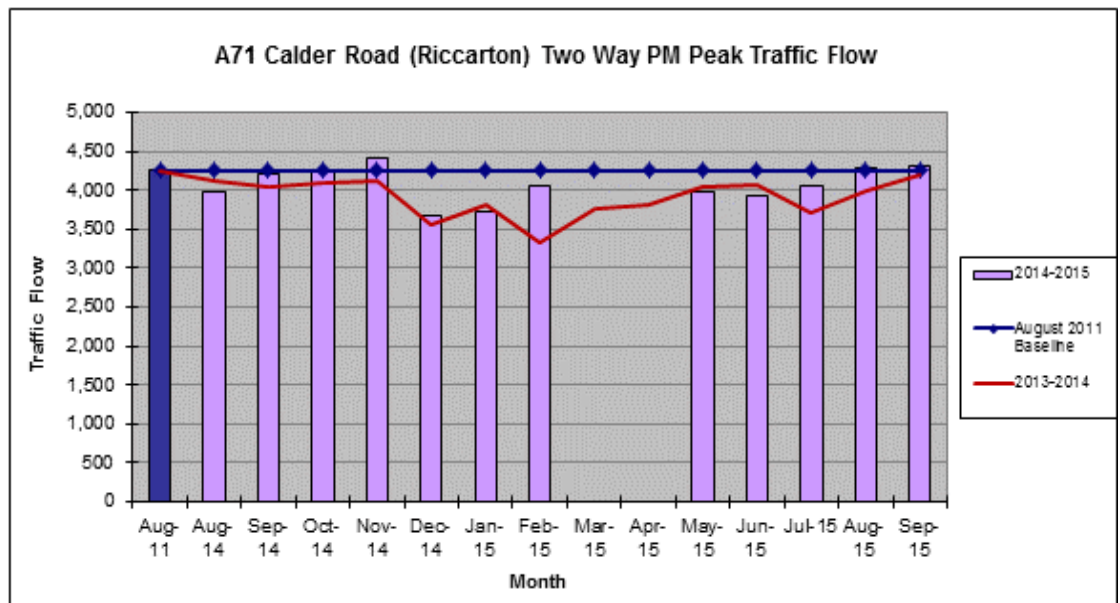


Figure 4-75 Monthly Two Way PM Peak Flows on the A71 Calder Road (Riccarton)

### 4.11.3 Monthly Average HGV Flows

Table 4-43 Site: JTC00604 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00604	A71 Calder Road (Riccarton)	Aug-11	230
		Aug-14	218
		Sep-14	234
		Oct-14	227
		Nov-14	234
		Dec-14	227
		Jan-15	183
		Feb-15	242
		Mar-15	No Data
		Apr-15	No Data
		May-15	279
		Jun-15	149
		Jul-15	147
		Aug-15	270
		Sep-15	280
		<b>Annual Average</b>	

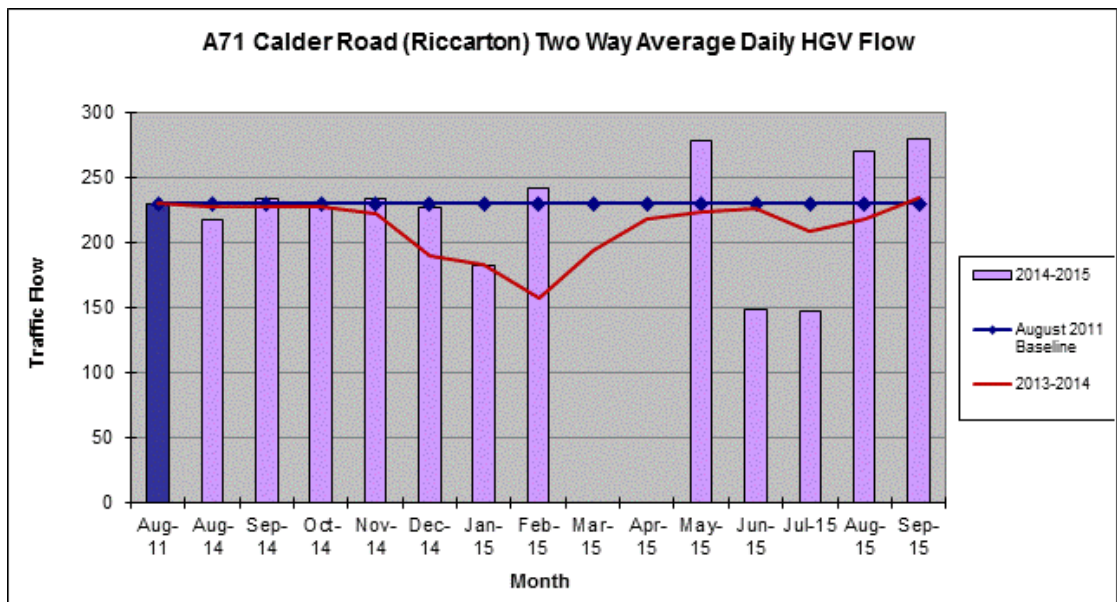


Figure 4-76 Monthly Two Way HGV Traffic Flows on the A71 Calder Road (Riccarton)



4.11.4 Monthly Average All Vehicles Traffic Speeds

Table 4-44 Site: JTC00604 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	EB	WB
JTC00604	A71 Calder Road (Riccarton)	Aug-14	67	70
		Sep-14	67	70
		Oct-14	66	69
		Nov-14	65	69
		Dec-14	64	68
		Jan-15	66	69
		Feb-15	66	70
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	67	71
		Jun-15	68	71
		Jul-15	67	71
		Aug-15	67	71
		Sep-15	66	71

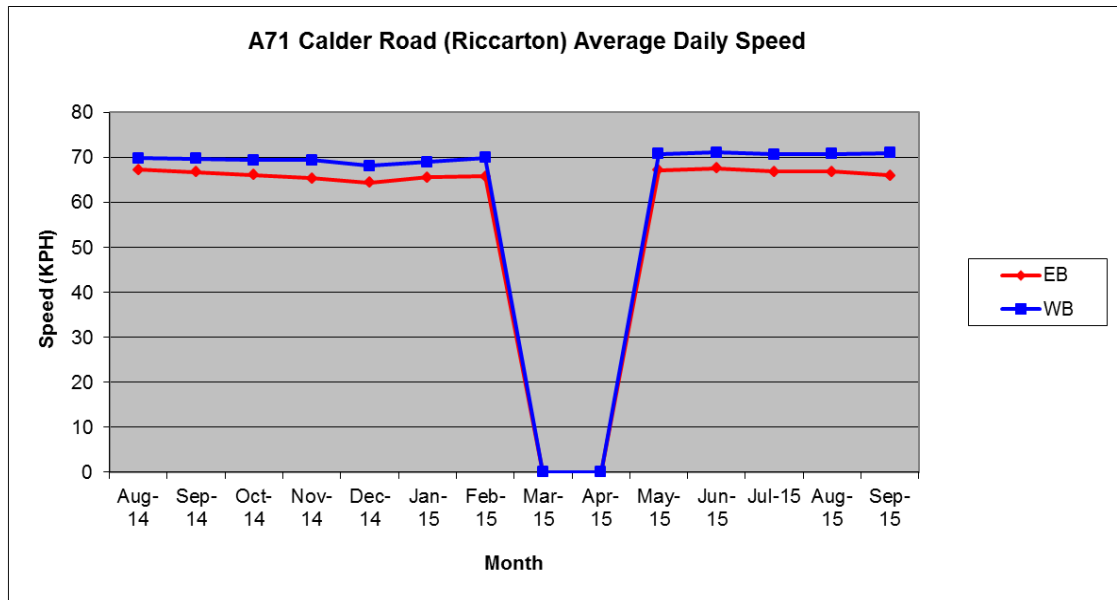


Figure 4-77 Average Monthly Traffic Speeds (KPH) on the A71 Calder Road (Riccarton)

## 4.12 Traffic Counter JTC00606 - A876 Kincardine Bridge

### 4.12.1 Monthly Average Traffic Flows

*Table 4-45 Site: JTC00606 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	EB	WB	Two Way
JTC00606	A876 Kincardine Bridge	Aug-11	6,141	5,833	11,974
		Aug-14	7,079	6,562	13,641
		Sep-14	7,113	6,638	13,752
		Oct-14	No Data	No Data	No Data
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	6,081	5,683	11,765
		Apr-15	6,687	6,238	12,924
		May-15	6,588	6,198	12,786
		Jun-15	7,111	6,573	13,684
		Jul-15	6,827	6,448	13,275
		Aug-15	7,170	6,693	13,863
		Sep-15	7,374	6,743	14,117
	<b>Annual Average</b>	<b>6,784</b>	<b>6,334</b>	<b>13,118</b>	

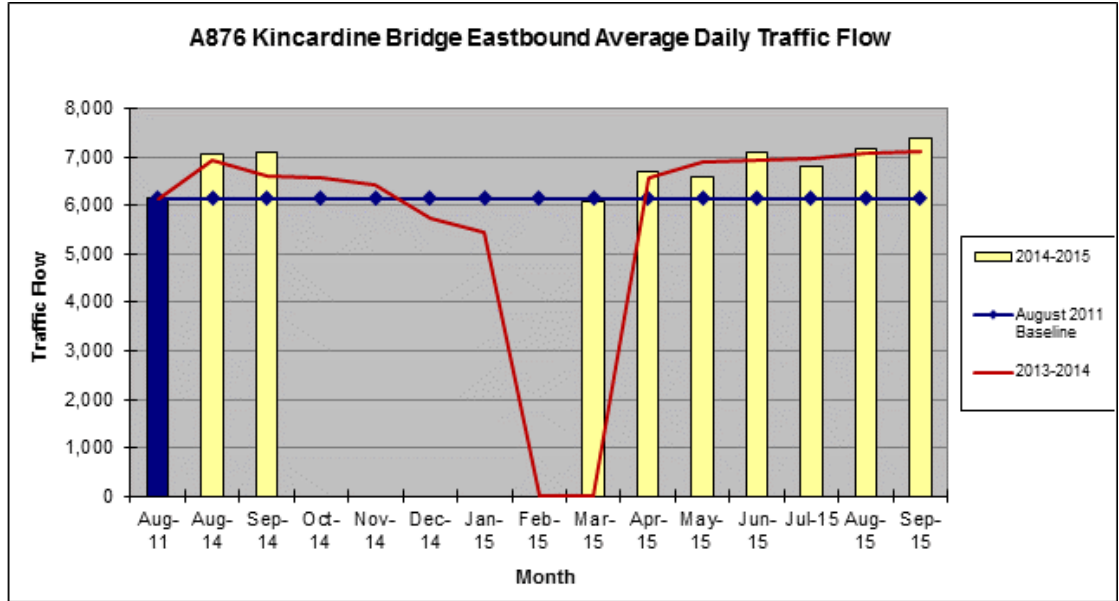


Figure 4-78 Monthly Eastbound AADTs on the A876 Kincardine Bridge

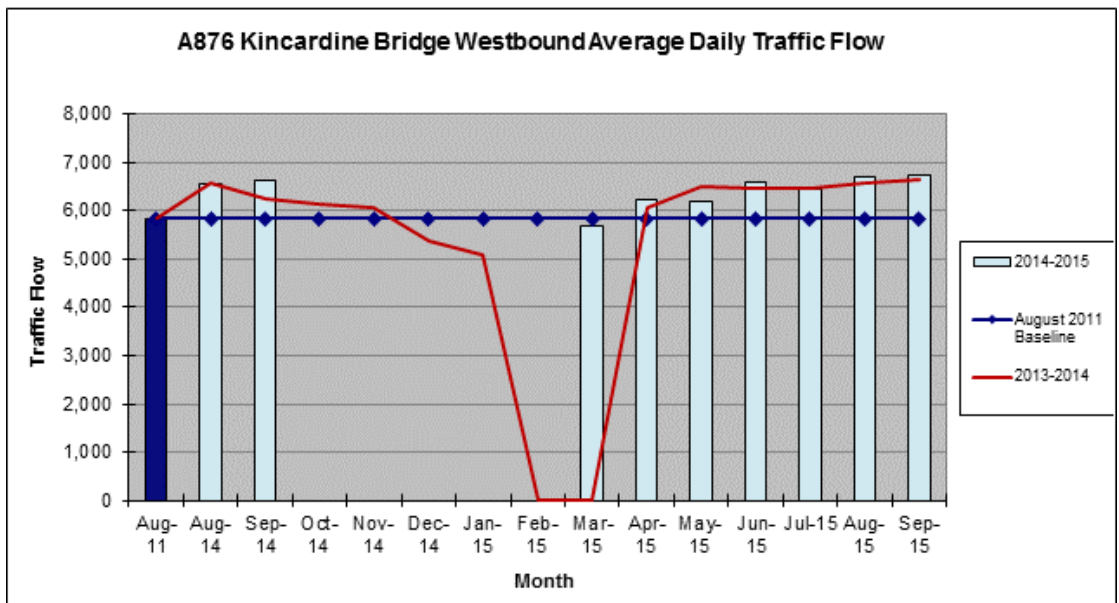


Figure 4-79 Monthly Westbound AADTs on the A876 Kincardine Bridge

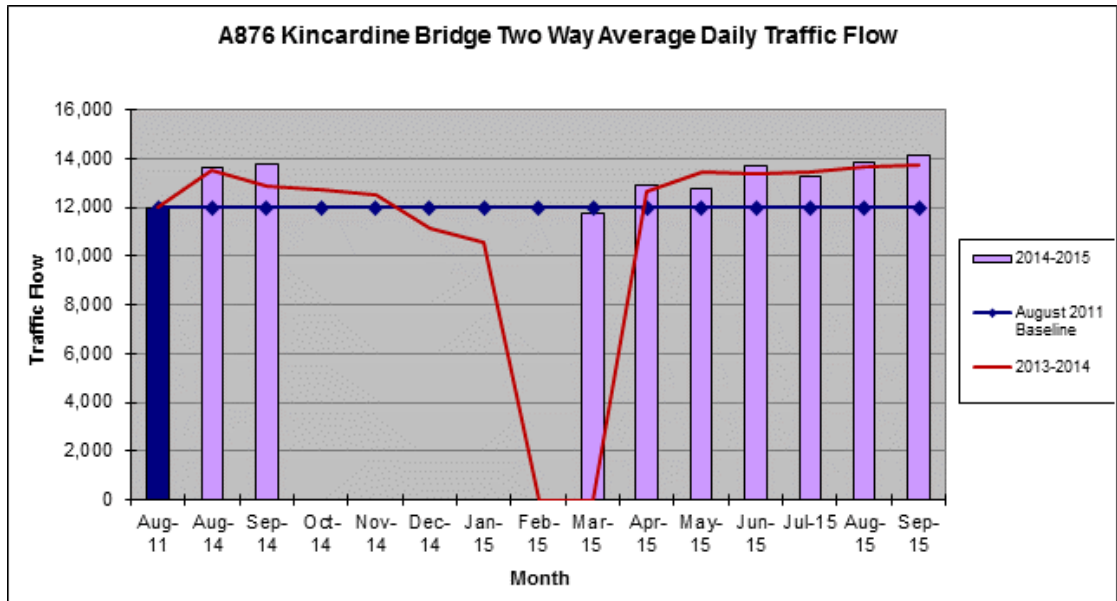


Figure 4-80 Monthly Two Way Daily Traffic Flows on the A876 Kincardine Bridge

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

Table 4-46 Site: JTC00606 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00606	A876 Kincardine Bridge	Aug-11	2,533	2,972
		Aug-14	2,619	3,546
		Sep-14	2,864	3,621
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	2,359	2,799
		Apr-15	2,133	2,642
		May-15	2,103	2,558
		Jun-15	2,281	2,801
		Jul-15	2,126	2,730
		Aug-15	2,231	2,896
Sep-15	2,369	3,026		
	<b>Annual Average</b>	<b>2,355</b>	<b>2,956</b>	

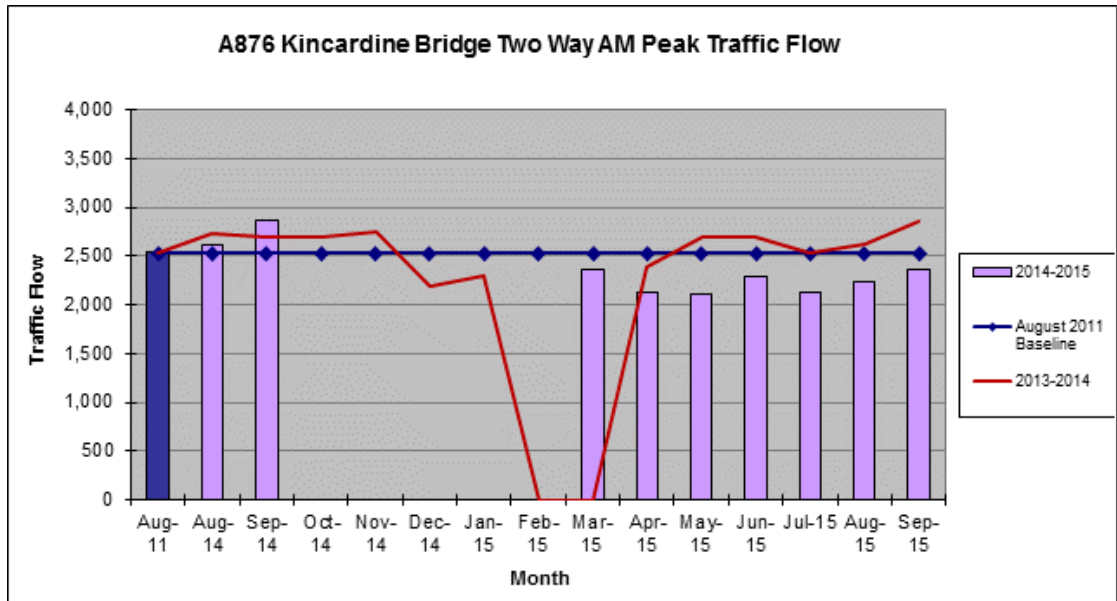


Figure 4-81 Monthly Two Way AM Peak Flows on the A876 Kincardine Bridge

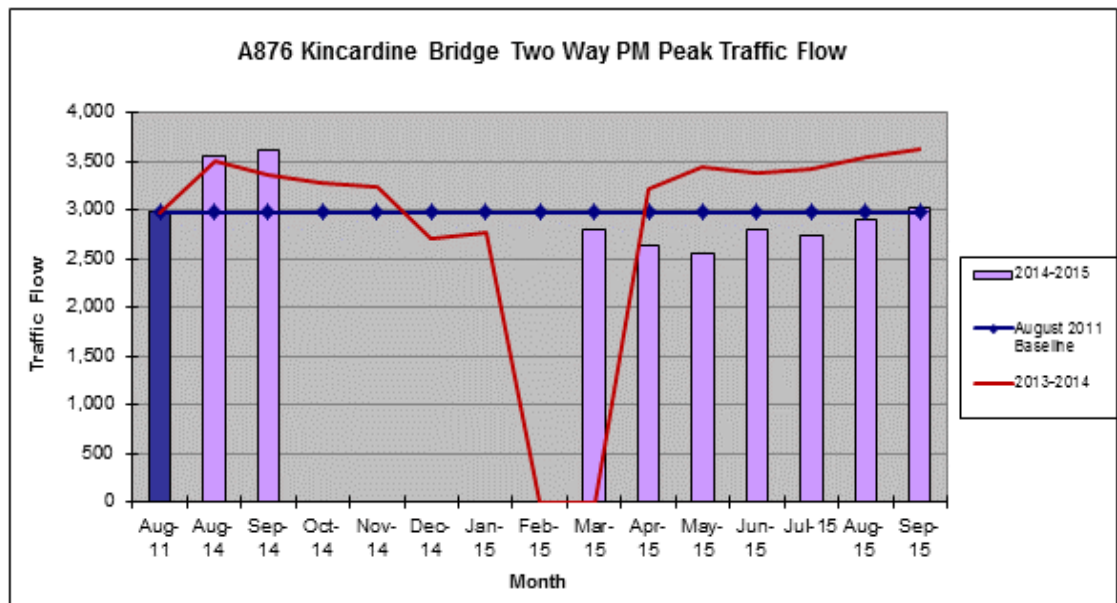


Figure 4-82 Monthly Two Way PM Peak Flows on the A876 Kincardine Bridge

### 4.12.3 Monthly Average HGV Flows

Table 4-47 Site: JTC00606 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00606	A876 Kincardine Bridge	Aug-11	442
		Aug-14	588
		Sep-14	571
		Oct-14	No Data
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	No Data
		Mar-15	641
		Apr-15	518
		May-15	486
		Jun-15	543
		Jul-15	483
		Aug-15	473
		Sep-15	540
		<b>Annual Average</b>	<b>547</b>

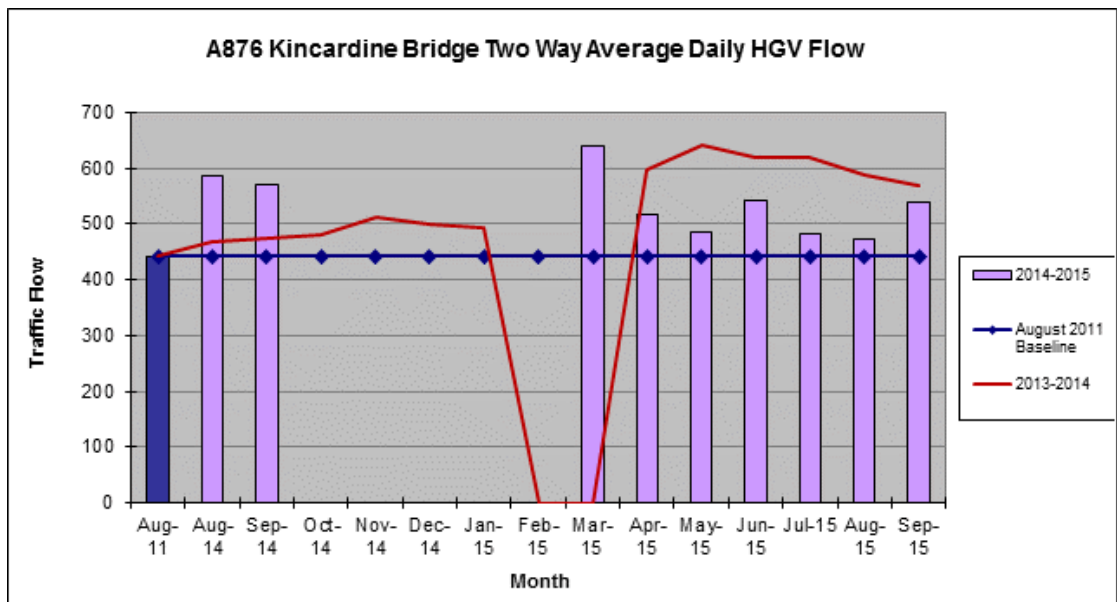


Figure 4-83 Monthly Two Way HGV Traffic Flows on the A876 Kincardine Bridge

4.12.4 Monthly Average All Vehicles Traffic Speeds

Table 4-48 Site: JTC00606 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	EB	WB
JTC00606	A876 Kincardine Bridge	Aug-14	48	47
		Sep-14	48	47
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	44	42
		Apr-15	49	47
		May-15	49	47
		Jun-15	48	47
		Jul-15	48	48
		Aug-15	48	47
		Sep-15	48	46

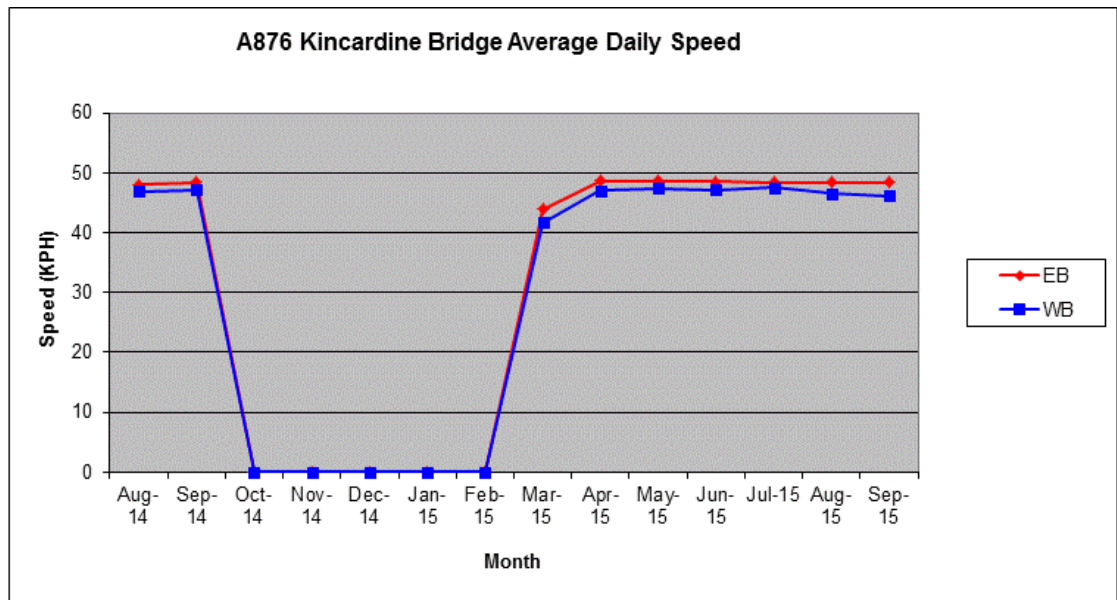


Figure 4-84 Average Monthly Traffic Speeds (KPH) on the A876 Kincardine Bridge

## 4.13 Traffic Counter JTC00607 - A9 Causewayhead Road (Stirling)

### 4.13.1 Monthly Average Traffic Flows

Table 4-49 Site: JTC00607 Annual Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB	SB	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	10,750	11,136	21,886
		Aug-14	10,706	10,987	21,693
		Sep-14	11,269	11,837	23,106
		Oct-14	11,063	11,585	22,648
		Nov-14	11,131	11,634	22,765
		Dec-14	10,407	10,715	21,122
		Jan-15	9,533	9,766	19,299
		Feb-15	10,917	11,335	22,252
		Mar-15	11,260	11,831	23,091
		Apr-15	11,143	11,561	22,704
		May-15	11,249	11,692	22,940
		Jun-15	10,955	11,305	22,260
		Jul-15	9,778	6,837	16,615
		Aug-15	10,747	10,777	21,524
		Sep-15	11,176	11,742	22,918
	<b>Annual Average</b>	<b>10,784</b>	<b>10,924</b>	<b>21,708</b>	



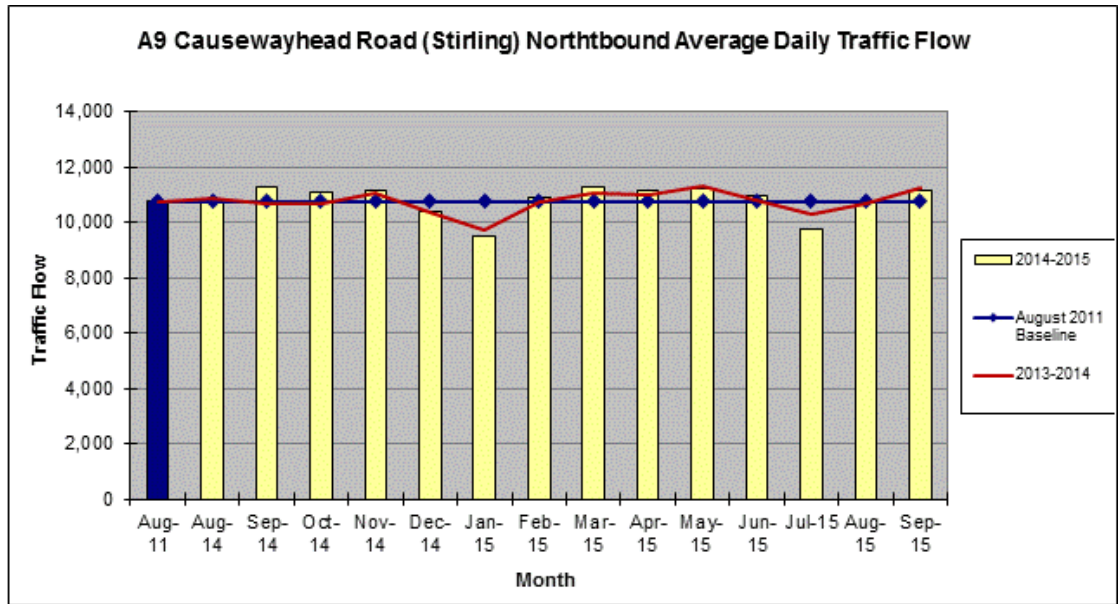


Figure 4-85 Monthly Northbound AADTs on the A9 Causewayhead Road (Stirling)

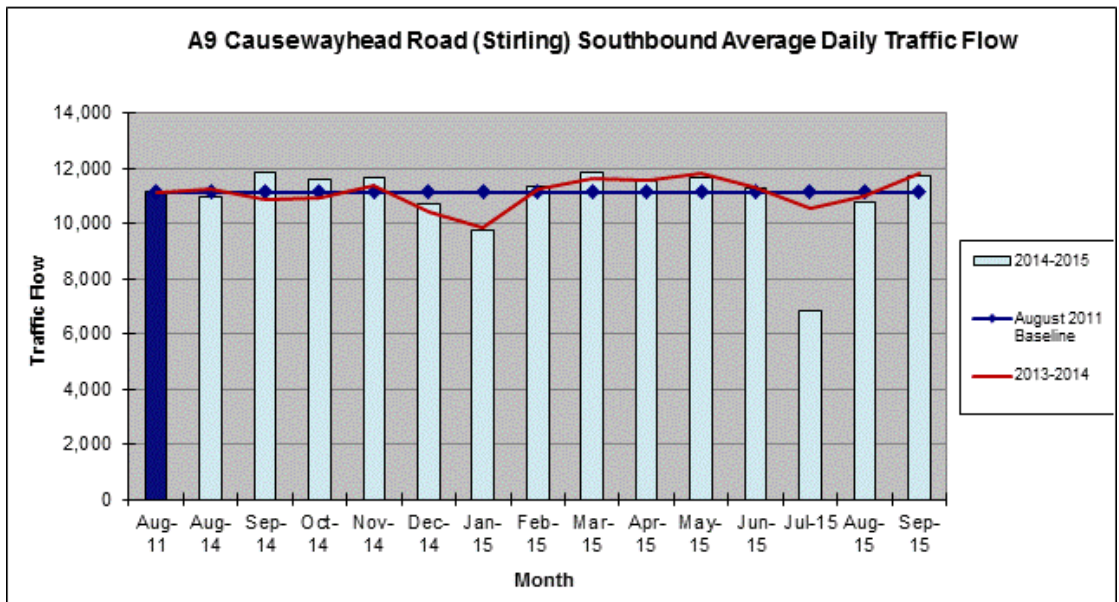


Figure 4-86 Monthly Southbound AADTs on the A9 Causewayhead Road (Stirling)

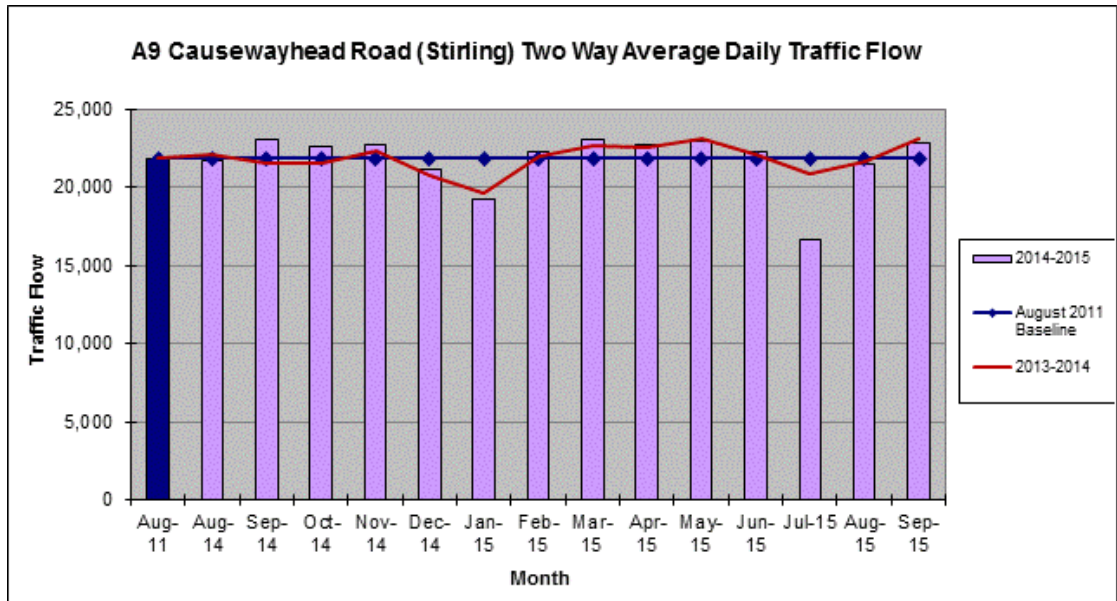


Figure 4-87 Monthly Two Way Daily Traffic Flows on the A9 Causewayhead Road (Stirling)

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

Table 4-50 Site: JTC00607 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	3,373	5,072
		Aug-14	3,323	4,980
		Sep-14	3,792	5,262
		Oct-14	3,519	5,236
		Nov-14	2,685	5,346
		Dec-14	2,248	4,915
		Jan-15	2,300	4,742
		Feb-15	2,711	5,286
		Mar-15	2,950	5,404
		Apr-15	3,521	5,130
		May-15	3,665	5,173
		Jun-15	3,690	5,083
		Jul-15	2,374	3,915
		Aug-15	3,287	4,940
Sep-15	3,774	5,205		
		<b>Annual Average</b>	<b>3,065</b>	<b>5,039</b>

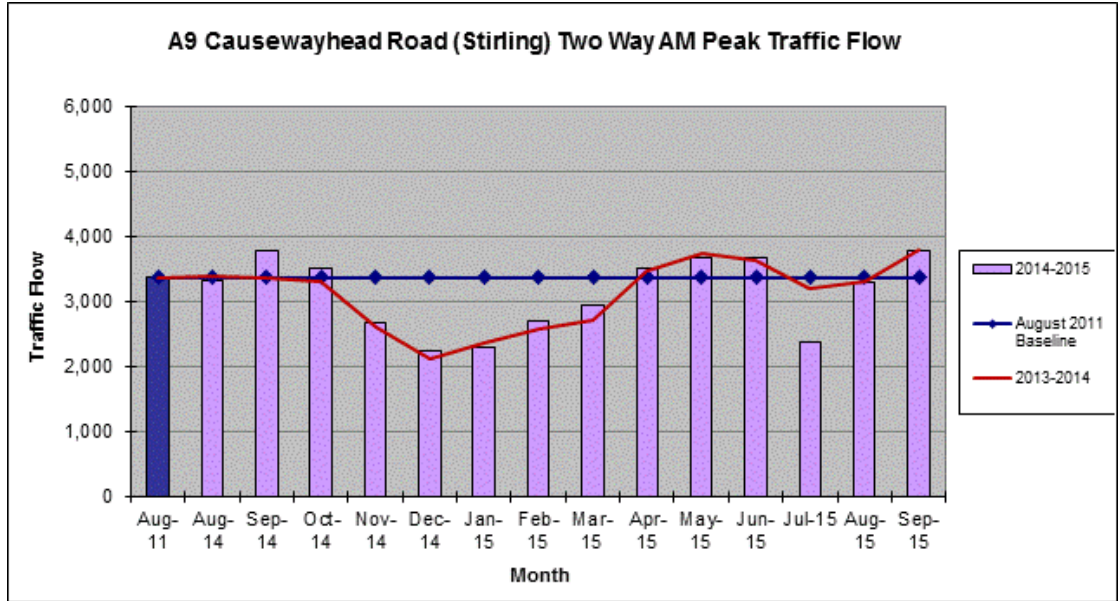


Figure 4-88 Monthly Two Way AM Peak Flows on the A9 Causewayhead Road (Stirling)

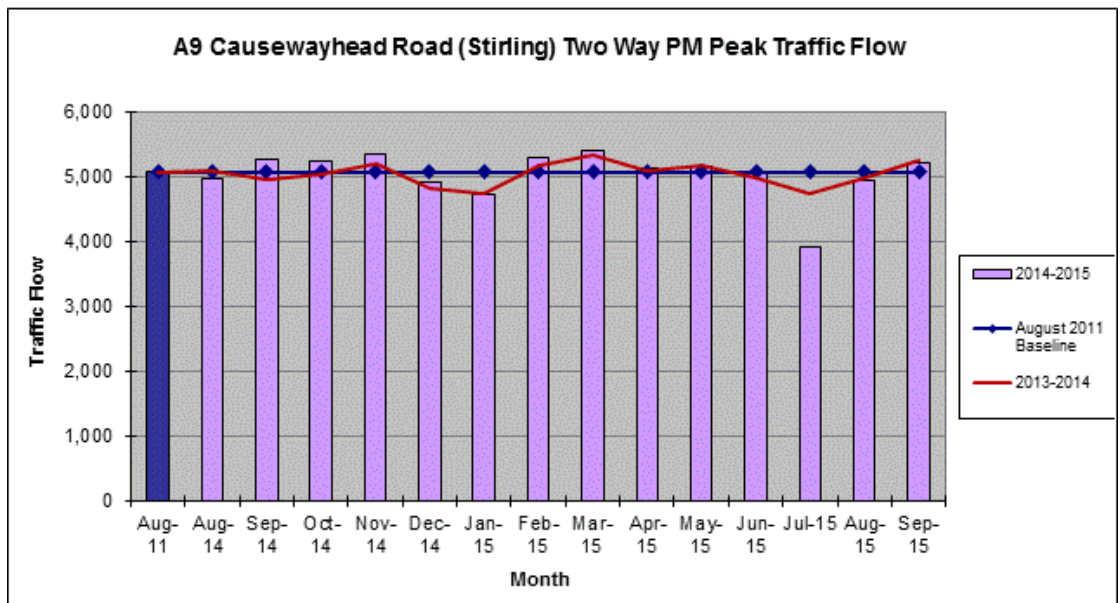


Figure 4-89 Monthly Two Way PM Peak Flows on the A9 Causewayhead Road (Stirling)

### 4.13.3 Monthly Average HGV Flows

Table 4-51 Site: JTC00607 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00607	A9 Causewayhead Road (Stirling)	Aug-11	488
		Aug-14	443
		Sep-14	492
		Oct-14	520
		Nov-14	482
		Dec-14	455
		Jan-15	397
		Feb-15	493
		Mar-15	478
		Apr-15	489
		May-15	479
		Jun-15	416
		Jul-15	262
		Aug-15	414
		Sep-15	467
<b>Annual Average</b>			<b>451</b>

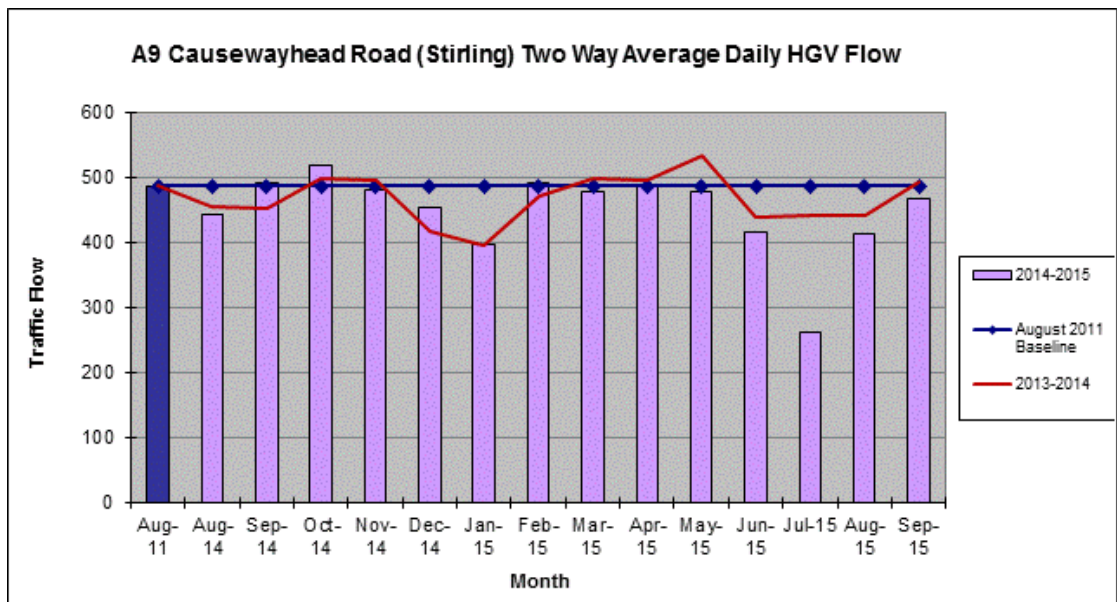
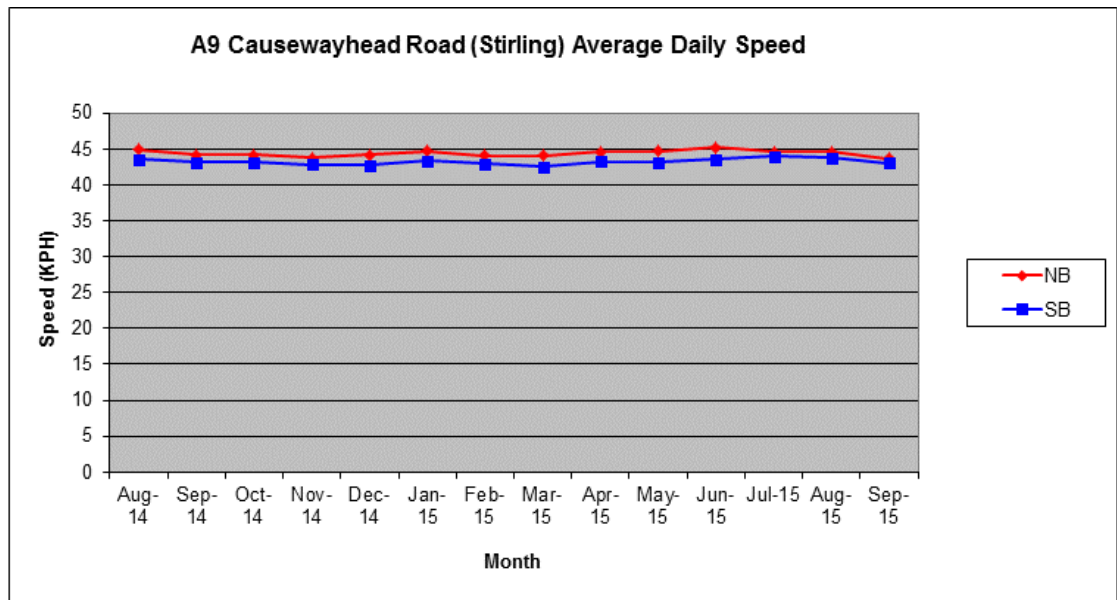


Figure 4-90 Monthly Two Way HGV Traffic Flows on the A9 Causewayhead Road (Stirling)

### 4.13.4 Monthly Average All Vehicles Traffic Speeds

**Table 4-52 Site: JTC00607 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00607	A9 Causewayhead Road (Stirling)	Aug-14	45	44
		Sep-14	44	43
		Oct-14	44	43
		Nov-14	44	43
		Dec-14	44	43
		Jan-15	45	43
		Feb-15	44	43
		Mar-15	44	42
		Apr-15	45	43
		May-15	45	43
		Jun-15	45	44
		Jul-15	45	44
		Aug-15	45	44
		Sep-15	44	43



**Figure 4-91 Average Monthly Traffic Speeds (KPH) on the A9 Causewayhead Road (Stirling)**



#### 4.14 Traffic Counter JTC00608 - A904 Old Philpstoun

Summary of statistics between August 2014 and September 2015:

- HGV flows are significantly lower than the baseline and slightly lower than those recorded in the previous monitoring period.

##### 4.14.1 Monthly Average Traffic Flows

**Table 4-53 Site: JTC00608 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB	WB	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	2,426	2,444	4,870
		Aug-14	2,234	2,254	4,487
		Sep-14	2,220	2,241	4,461
		Oct-14	2,074	2,081	4,155
		Nov-14	2,074	2,072	4,145
		Dec-14	1,736	1,867	3,603
		Jan-15	1,747	1,817	3,564
		Feb-15	2,046	2,051	4,097
		Mar-15	2,157	2,143	4,300
		Apr-15	2,379	2,396	4,775
		May-15	2,319	2,374	4,692
		Jun-15	2,514	2,429	4,943
		Jul-15	2,165	2,192	4,356
		Aug-15	2,365	2,412	4,777
		Sep-15	2,292	2,297	4,589
		<b>Annual Average</b>	<b>2,139</b>	<b>2,160</b>	<b>4,298</b>

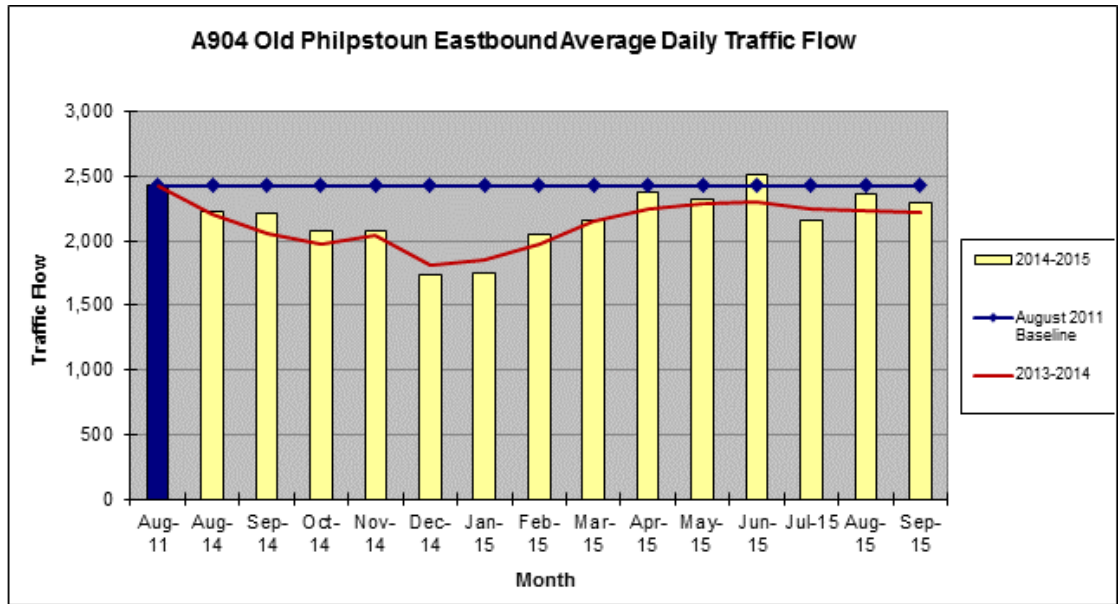


Figure 4-92 Monthly Eastbound AADTs on the A904 Old Philpstoun

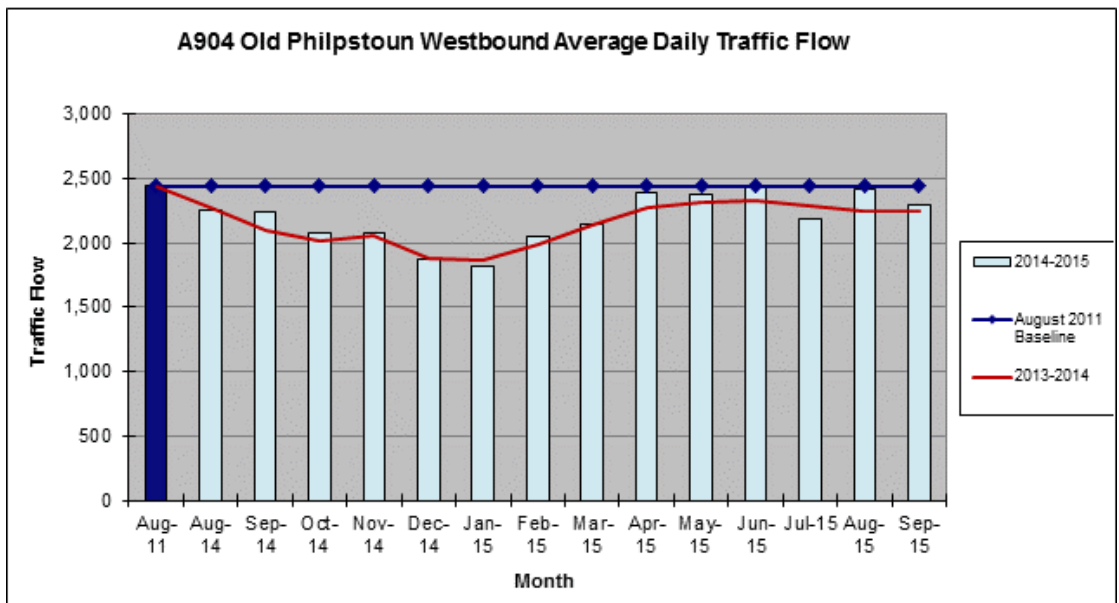


Figure 4-93 Monthly Westbound AADTs on the A904 Old Philpstoun

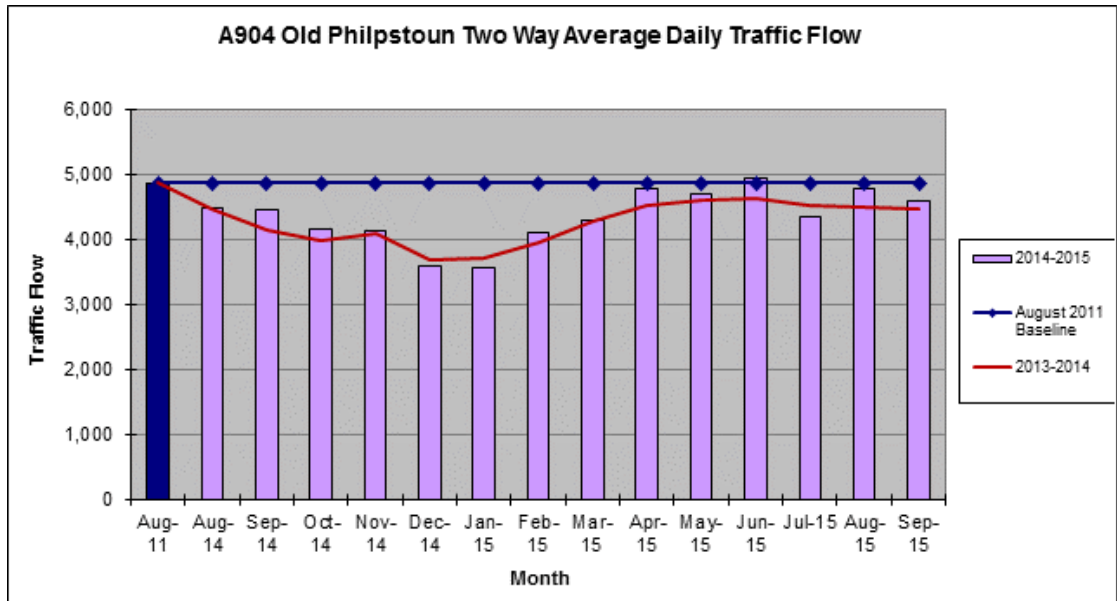


Figure 4-94 Monthly Two Way Daily Traffic Flows on the A904 Old Philpstoun

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

Table 4-54 Site: JTC00608 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00608	A904 Old Philpstoun	Aug-11	854	1,174
		Aug-14	734	1,073
		Sep-14	805	1,095
		Oct-14	770	983
		Nov-14	772	1,021
		Dec-14	627	810
		Jan-15	666	904
		Feb-15	772	1,054
		Mar-15	824	1,101
		Apr-15	744	1,042
		May-15	742	1,001
		Jun-15	808	1,064
		Jul-15	668	952
		Aug-15	729	1,047
Sep-15	769	1,017		
		<b>Annual Average</b>	<b>744</b>	<b>1,008</b>



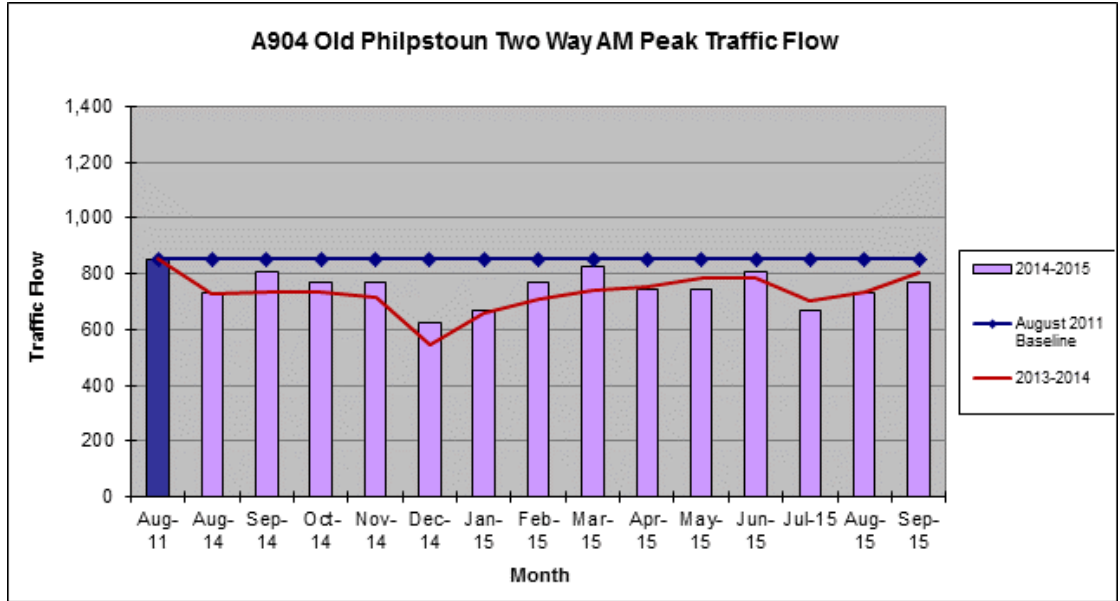


Figure 4-95 Monthly Two Way AM Peak Flows on the A904 Old Philpstoun

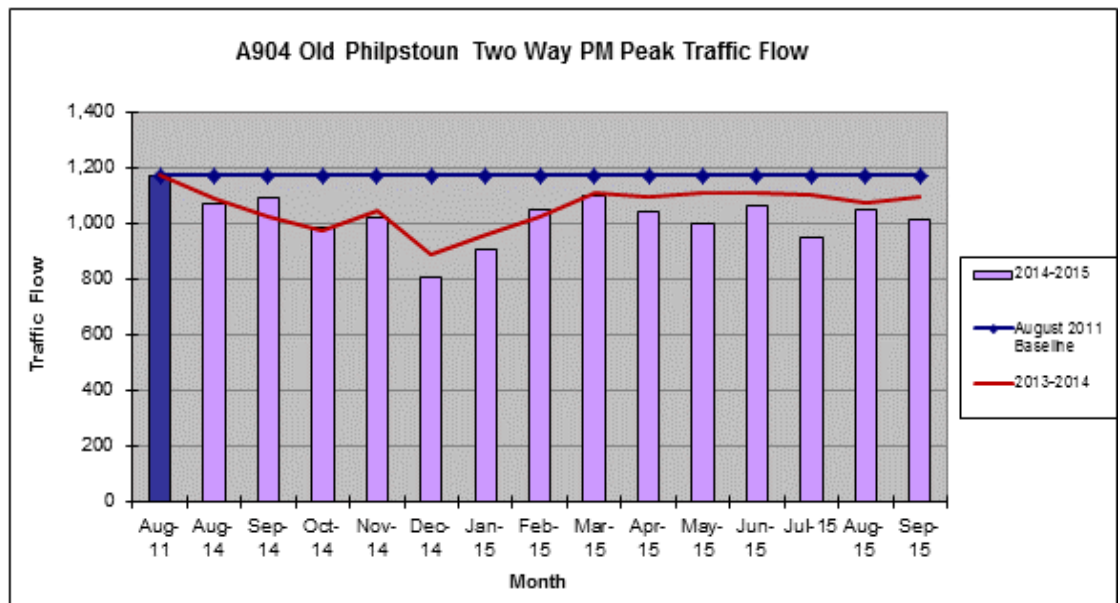


Figure 4-96 Monthly Two Way PM Peak Flows on the A904 Old Philpstoun

### 4.14.3 Monthly Average HGV Flows

Table 4-55 Site: JTC00608 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00608	A904 Old Philpstoun	Aug-11	58
		Aug-14	28
		Sep-14	30
		Oct-14	32
		Nov-14	32
		Dec-14	51
		Jan-15	38
		Feb-15	36
		Mar-15	37
		Apr-15	29
		May-15	33
		Jun-15	38
		Jul-15	36
		Aug-15	36
		Sep-15	39
		<b>Annual Average</b>	

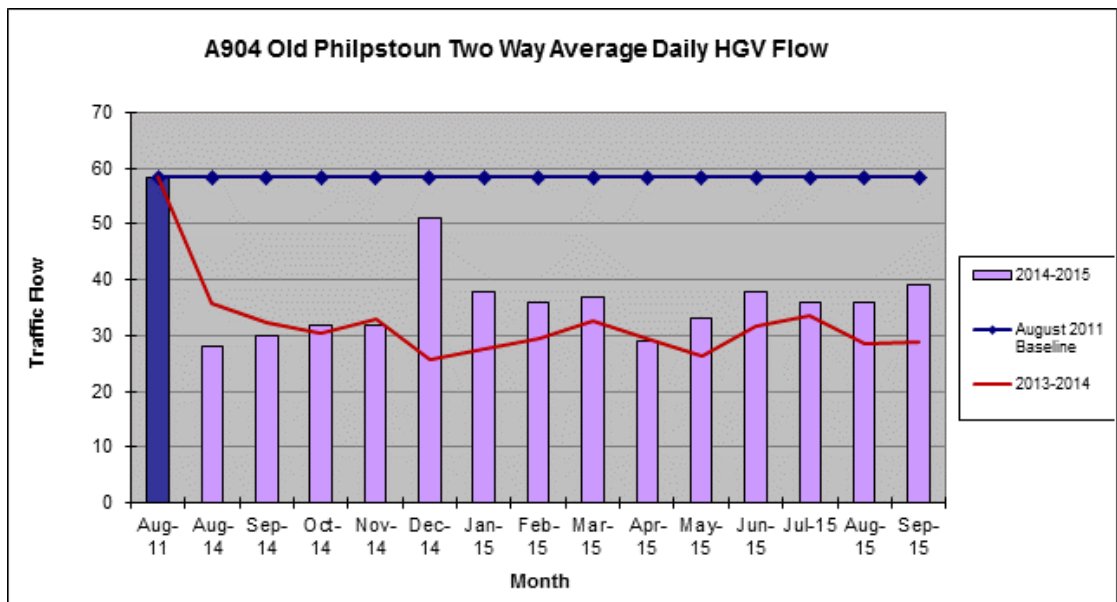


Figure 4-97 Monthly Two Way HGV Traffic Flows on the A904 Old Philpstoun

4.14.4 Monthly Average All Vehicles Traffic Speeds

Table 4-56 Site: JTC00608 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	EB	WB
JTC00608	A904 Old Philpstoun	Aug-14	76	77
		Sep-14	76	77
		Oct-14	76	78
		Nov-14	75	77
		Dec-14	72	74
		Jan-15	74	75
		Feb-15	75	78
		Mar-15	76	79
		Apr-15	76	79
		May-15	77	79
		Jun-15	76	79
		Jul-15	73	76
		Aug-15	74	78
		Sep-15	76	79

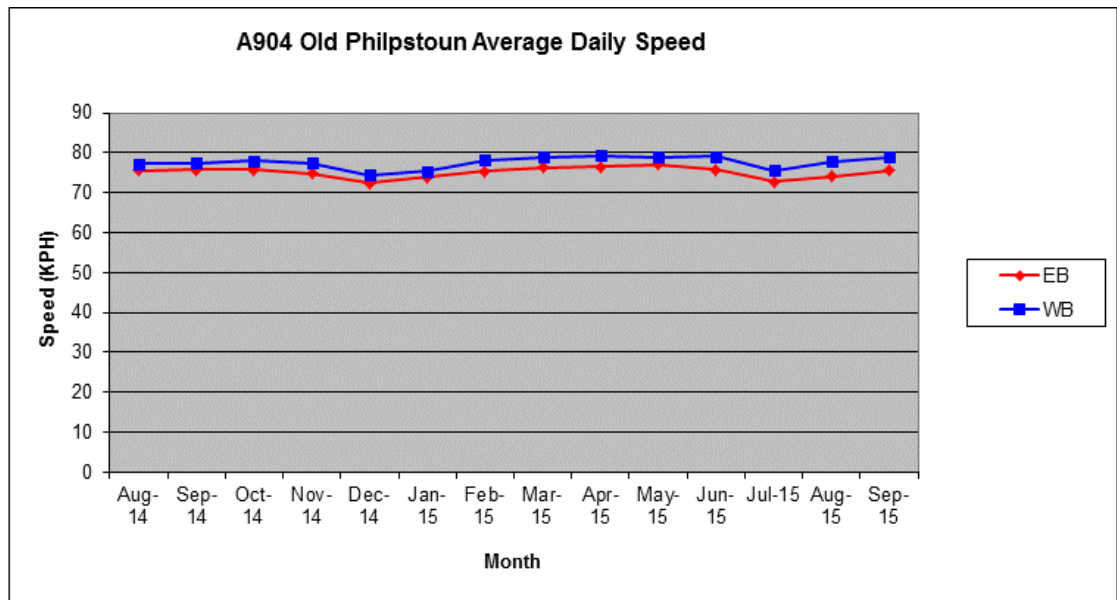


Figure 4-98 Average Monthly Traffic Speeds (KPH) on the A904 Old Philpstoun

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

### 4.15.1 Monthly Average Traffic Flows

*Table 4-57 Site: JTC08347 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	27,732
		Aug-14	29,597
		Sep-14	29,128
		Oct-14	28,194
		Nov-14	27,295
		Dec-14	24,963
		Jan-15	22,259
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	29,369
		May-15	29,136
		Jun-15	29,513
		Jul-15	No Data
		Aug-15	30,400
		Sep-15	29,585
	<b>Annual Average</b>	<b>27,717</b>	

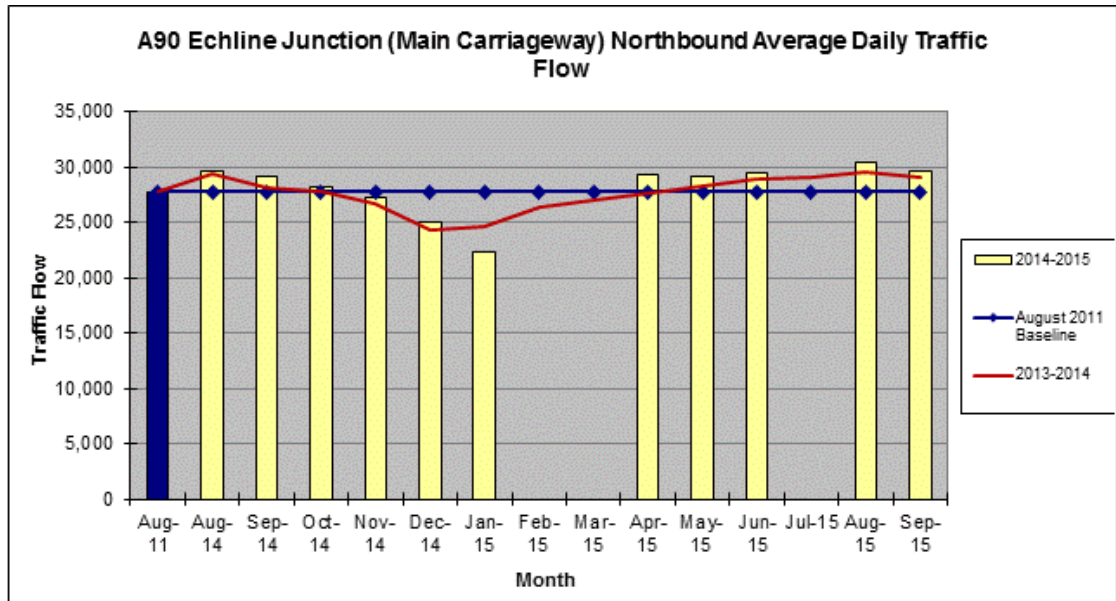


Figure 4-99 Monthly AADTs on the A90 Echline Junction Northbound (Main Carriageway)

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

Table 4-58 Site: JTC08347 Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	4,474	6,598
		Aug-14	4,971	6,377
		Sep-14	5,323	6,568
		Oct-14	5,060	6,511
		Nov-14	4,731	6,525
		Dec-14	3,920	5,814
		Jan-15	3,565	5,637
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	5,087	6,570
		May-15	5,084	6,712
		Jun-15	5,197	6,610
		Jul-15	No Data	No Data
		Aug-15	5,011	6,499
Sep-15	5,207	6,554		
	<b>Annual Average</b>	<b>4,771</b>	<b>6,369</b>	

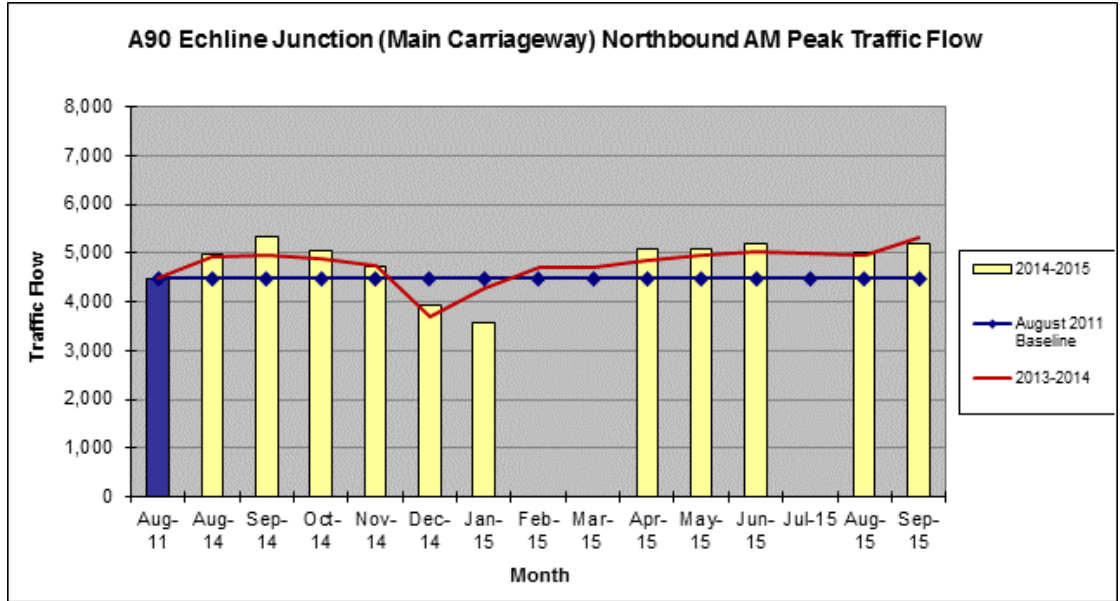


Figure 4-100 Monthly AM Peak Flows on the A90 Echline Junction Northbound (Main Carriageway)

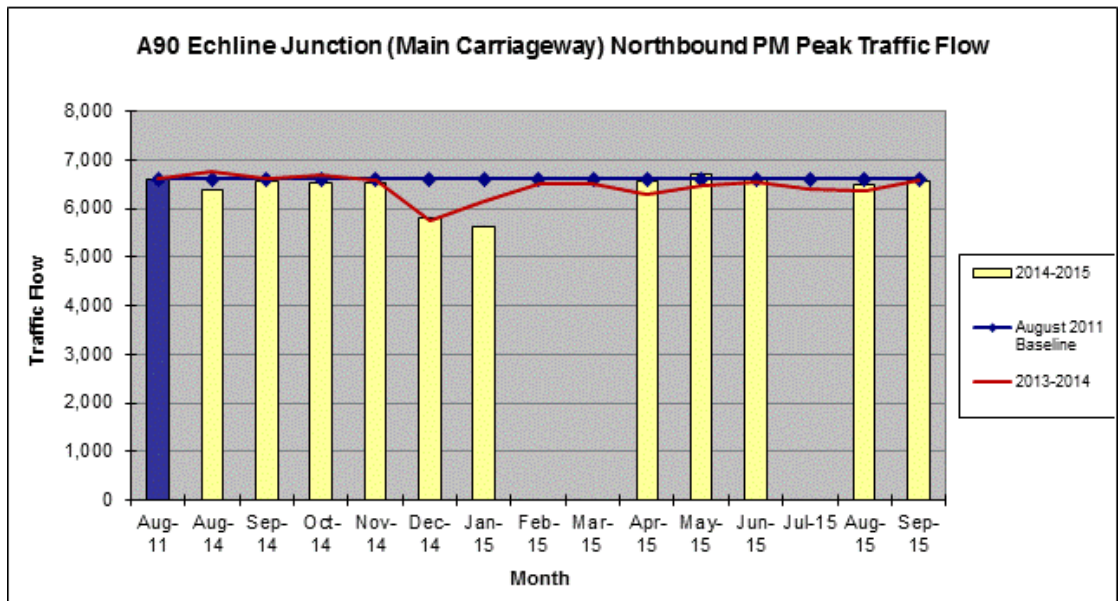


Figure 4-101 Monthly PM Peak Flows on the A90 Echline Junction Northbound (Main Carriageway)

### 4.15.3 Monthly Average HGV Flows

Table 4-59 Site: JTC08347 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-11	1,275
		Aug-14	1,419
		Sep-14	1,547
		Oct-14	1,482
		Nov-14	1,422
		Dec-14	1,214
		Jan-15	976
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	1,389
		May-15	1,334
		Jun-15	1,366
		Jul-15	No Data
		Aug-15	1,359
		Sep-15	1,471

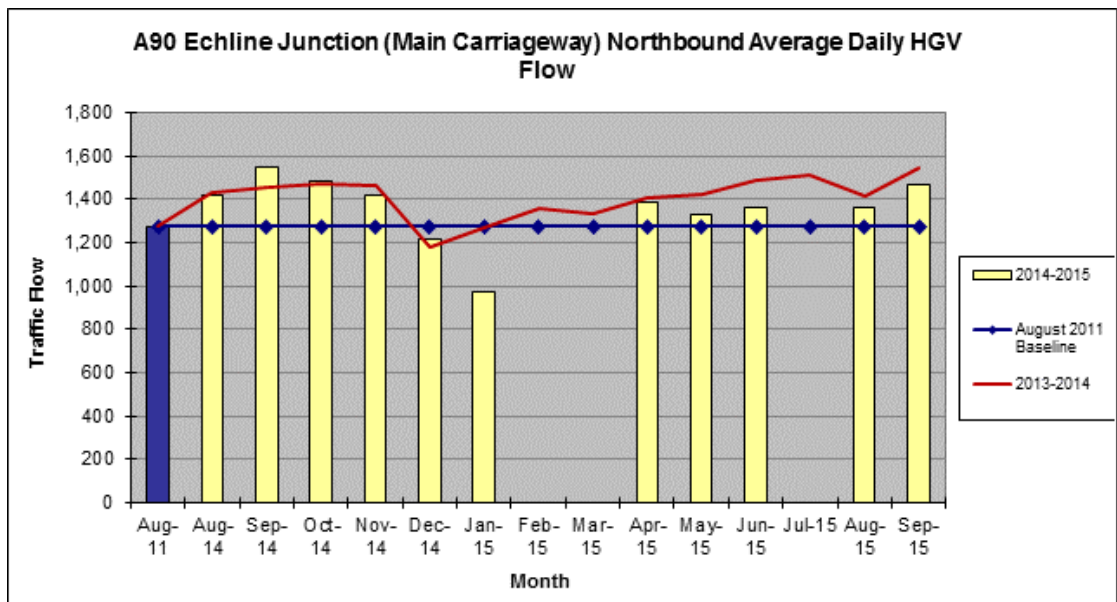
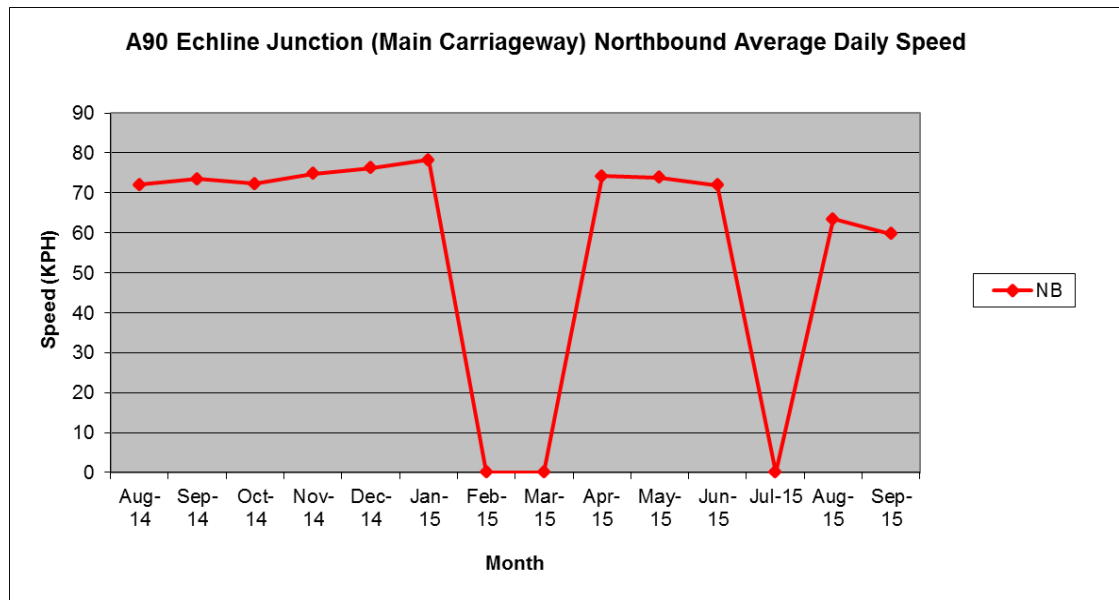


Figure 4-102 Monthly HGV Traffic Flows on the A90 Echline Junction Northbound (Main Carriageway)

**4.15.4 Monthly Average All Vehicles Traffic Speeds**

**Table 4-60 Site: JTC08347 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	NB
JTC08347	A90 Echline Junction Northbound (Main Carriageway)	Aug-14	72
		Sep-14	74
		Oct-14	72
		Nov-14	75
		Dec-14	76
		Jan-15	78
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	74
		May-15	74
		Jun-15	72
		Jul-15	No Data
		Aug-15	63
		Sep-15	60



**Figure 4-103 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction (Main Carriageway) Northbound**



## 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 2014 to September 2015*

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Aug-14	33,162
		Sep-14	32,377
		Oct-14	31,319
		Nov-14	30,375
		Dec-14	29,799
		Jan-15	26,469
		Feb-15	29,689
		Mar-15	30,539
		Apr-15	31,831
		May-15	31,930
		Jun-15	32,646
		Jul-15	33,403
		Aug-15	33,826
Sep-15	32,987		
	<b>Annual Average</b>	<b>31,128</b>	

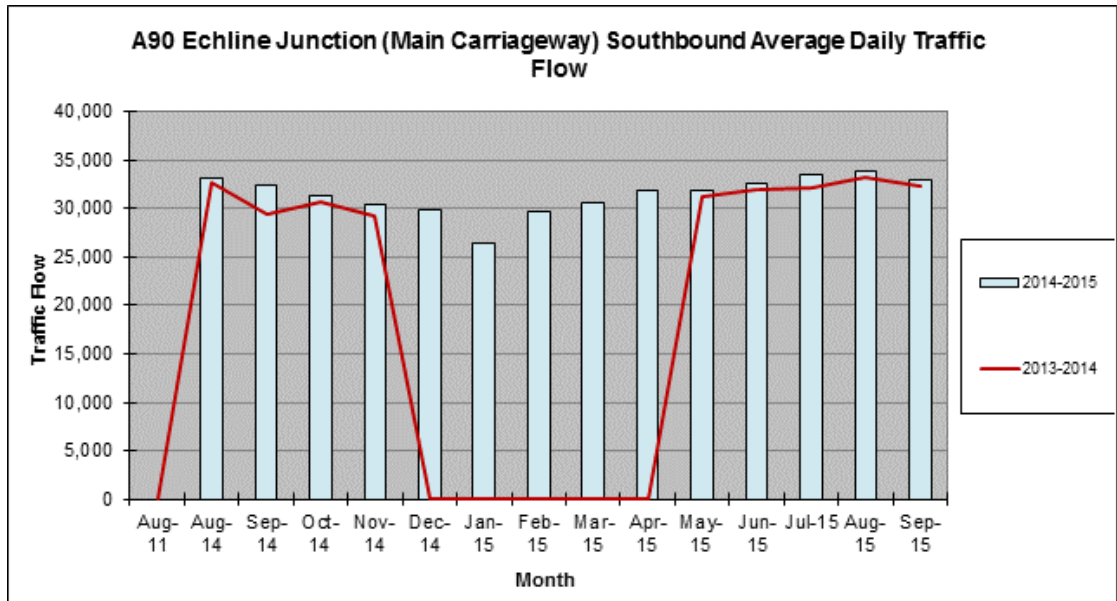


Figure 4-104 Monthly AADTs on the A90 Echline Junction Southbound (Main Carriageway)

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

Table 4-62 Site: JTC08348 Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data	No Data
		Aug-14	6,293	7,030
		Sep-14	6,721	7,024
		Oct-14	6,465	6,682
		Nov-14	6,303	6,336
		Dec-14	6,661	6,195
		Jan-15	5,719	5,660
		Feb-15	6,206	6,364
		Mar-15	6,525	6,543
		Apr-15	6,200	6,883
		May-15	6,319	6,703
		Jun-15	6,627	6,788
		Jul-15	6,311	6,867
		Aug-15	6,302	7,123
		Sep-15	6,609	6,962
	<b>Annual Average</b>	<b>6,362</b>	<b>6,590</b>	

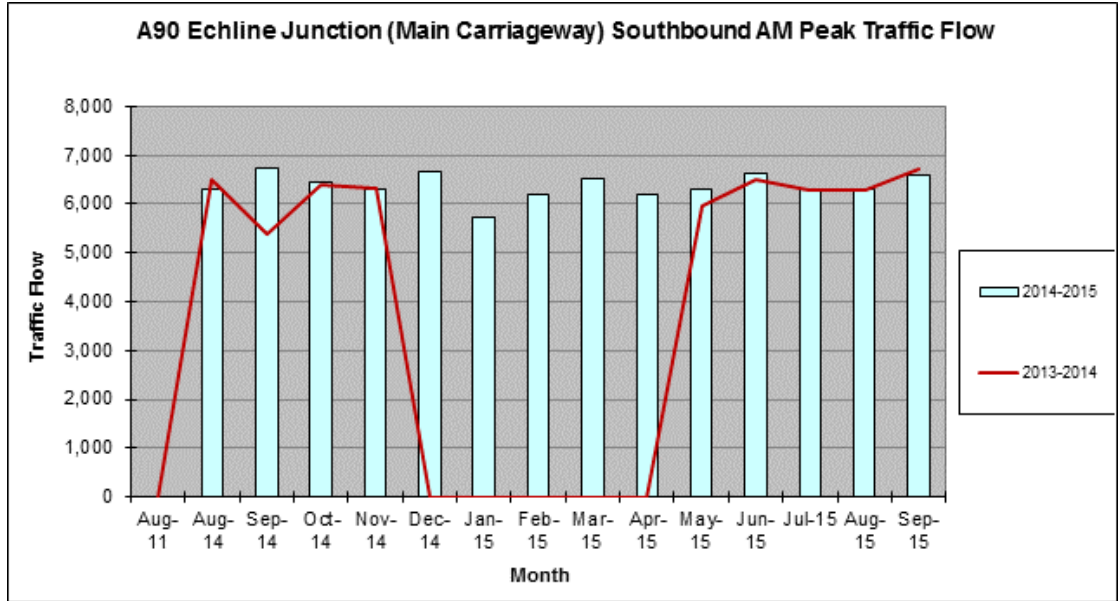


Figure 4-105 Monthly AM Peak Flows on the A90 Echline Junction Southbound (Main Carriageway)

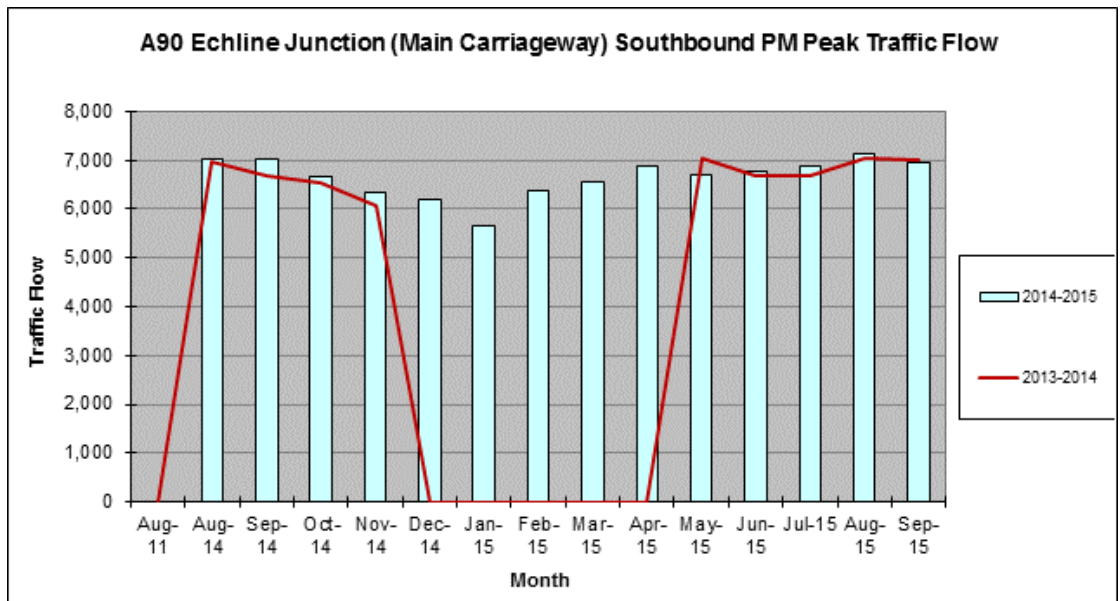


Figure 4-106 Monthly PM Peak Flows on the A90 Echline Junction Southbound (Main Carriageway)

4.16.3 Monthly Average HGV Flows

Table 4-63 Site: JTC08348 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-11	No Data
		Aug-14	1,612
		Sep-14	1,761
		Oct-14	1,648
		Nov-14	1,583
		Dec-14	1,632
		Jan-15	1,304
		Feb-15	1,563
		Mar-15	1,585
		Apr-15	1,578
		May-15	1,542
		Jun-15	1,667
		Jul-15	1,662
		Aug-15	1,586
		Sep-15	1,681
		<b>Annual Average</b>	<b>1,595</b>

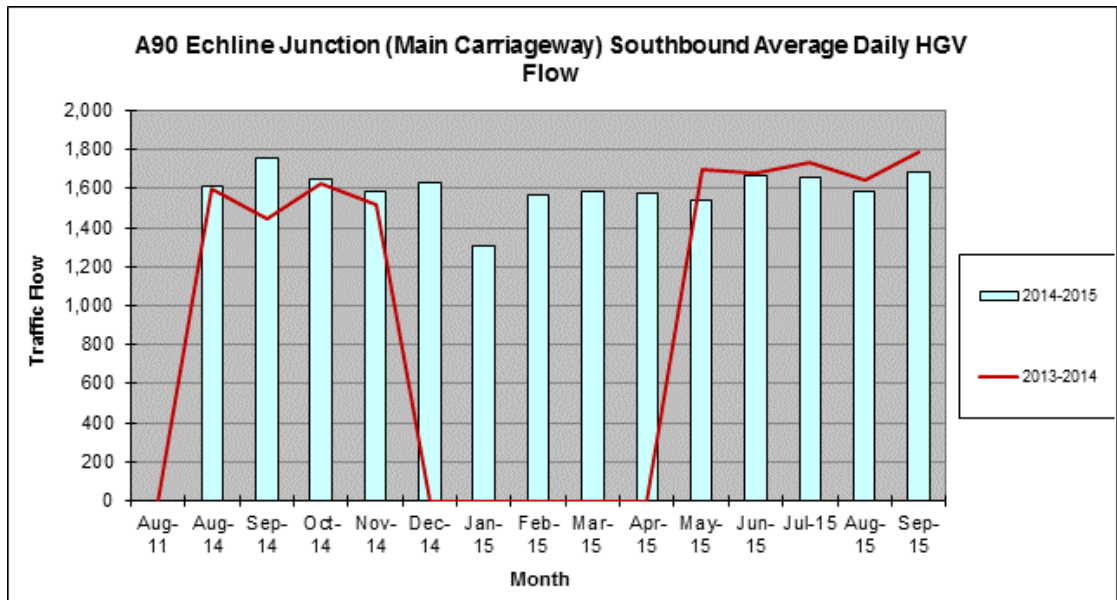
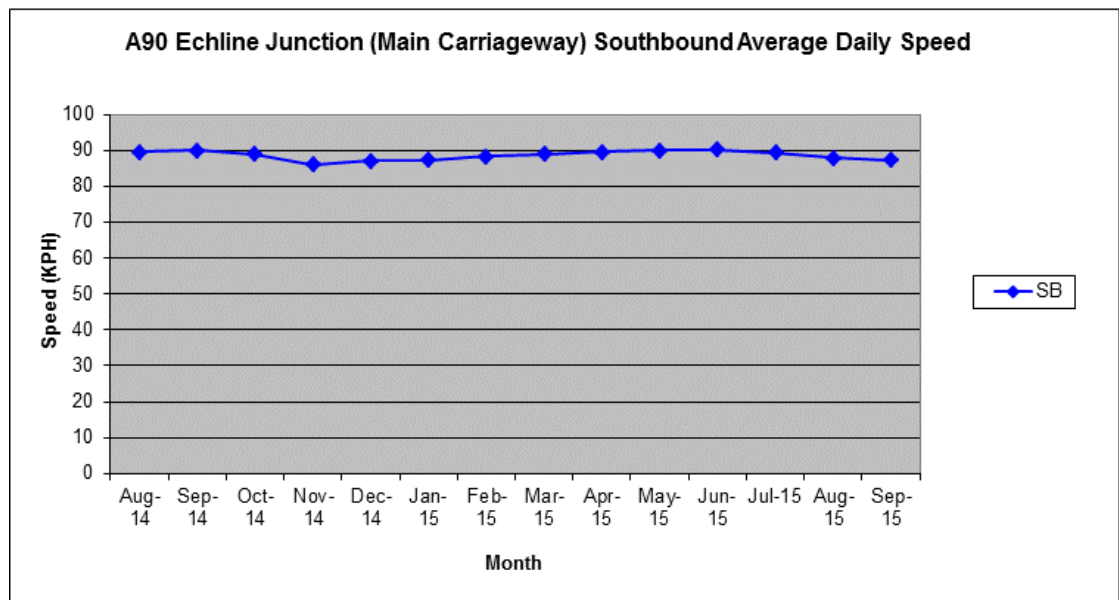


Figure 4-107 Monthly HGV Traffic Flows on the A90 Echline Junction Southbound (Main Carriageway)

**4.16.4 Monthly Average All Vehicles Traffic Speeds**

**Table 4-64 Site: JTC08348 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
JTC08348	A90 Echline Junction Southbound (Main Carriageway)	Aug-14	90
		Sep-14	90
		Oct-14	89
		Nov-14	86
		Dec-14	87
		Jan-15	87
		Feb-15	88
		Mar-15	89
		Apr-15	89
		May-15	90
		Jun-15	90
		Jul-15	89
		Aug-15	88
		Sep-15	87



**Figure 4-108 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction (Main Carriageway) Southbound**

## 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 2014 to September 2015*

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	8,012
		Aug-14	7,300
		Sep-14	7,254
		Oct-14	6,897
		Nov-14	6,656
		Dec-14	5,778
		Jan-15	5,044
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	7,496
		May-15	7,358
		Jun-15	7,752
		Jul-15	No Data
		Aug-15	7,633
		Sep-15	7,386
	<b>Annual Average</b>	<b>6,837</b>	

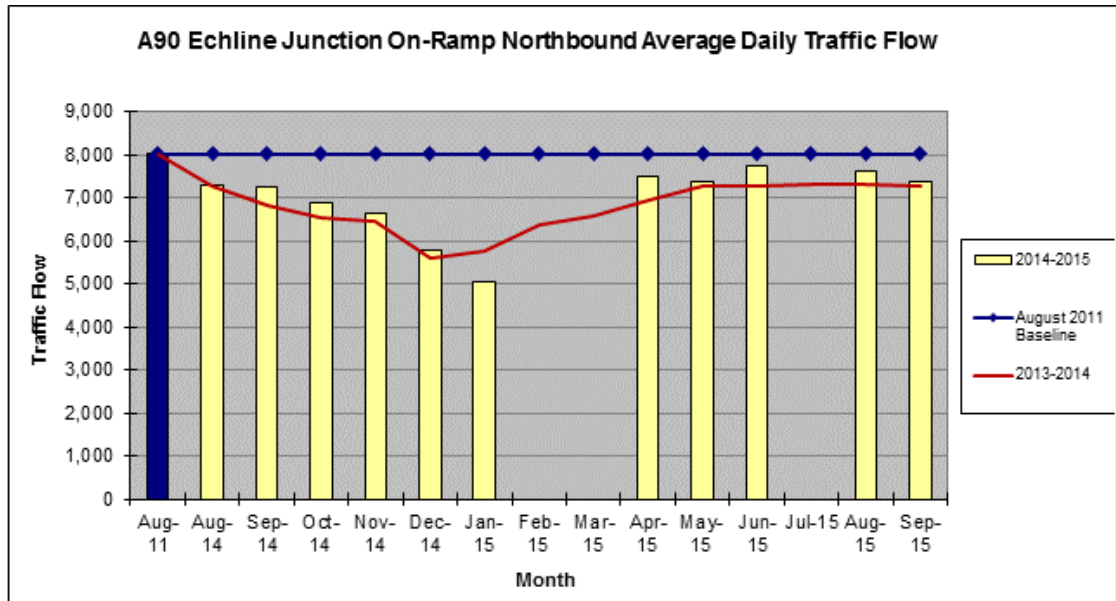


Figure 4-109 Monthly AADTs on the A90 Echline Junction Northbound On-Ramp

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

Table 4-66 Site: JTC58347 Northbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	1,531	2,020
		Aug-14	1,259	1,949
		Sep-14	1,390	1,935
		Oct-14	1,354	1,814
		Nov-14	1,294	1,626
		Dec-14	1,073	1,340
		Jan-15	972	1,226
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	1,364	1,859
		May-15	1,394	1,898
		Jun-15	1,448	2,023
		Jul-15	No Data	No Data
		Aug-15	1,276	2,064
Sep-15	1,416	2,006		
	<b>Annual Average</b>	<b>1,283</b>	<b>1,741</b>	

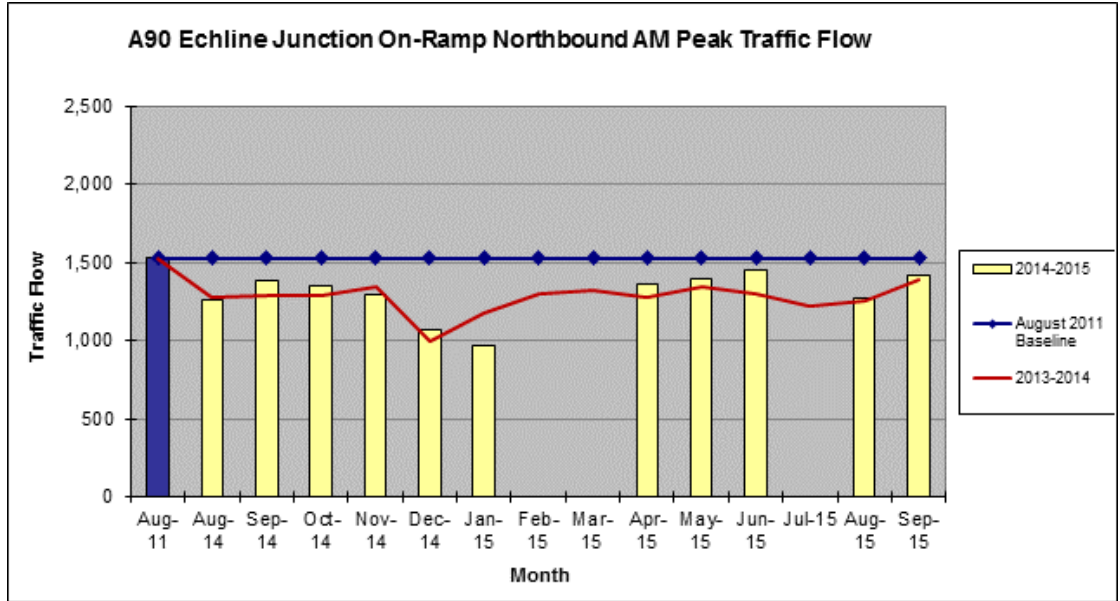


Figure 4-110 Monthly AM Peak Flows on the A90 Echline Junction Northbound On-Ramp

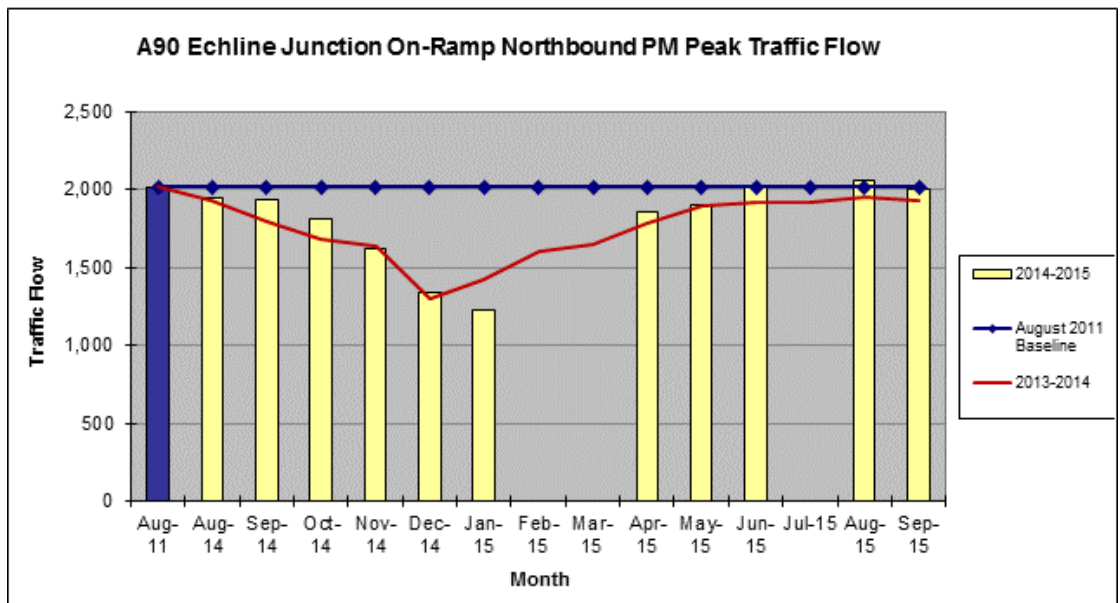


Figure 4-111 Monthly PM Peak Flows on the A90 Echline Junction Northbound On-Ramp



### 4.17.3 Monthly Average HGV Flows

Table 4-67 Site: JTC58347 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-11	313
		Aug-14	156
		Sep-14	152
		Oct-14	136
		Nov-14	121
		Dec-14	107
		Jan-15	79
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	175
		May-15	183
		Jun-15	210
		Jul-15	No Data
		Aug-15	220
		Sep-15	219
		<b>Annual Average</b>	<b>147</b>

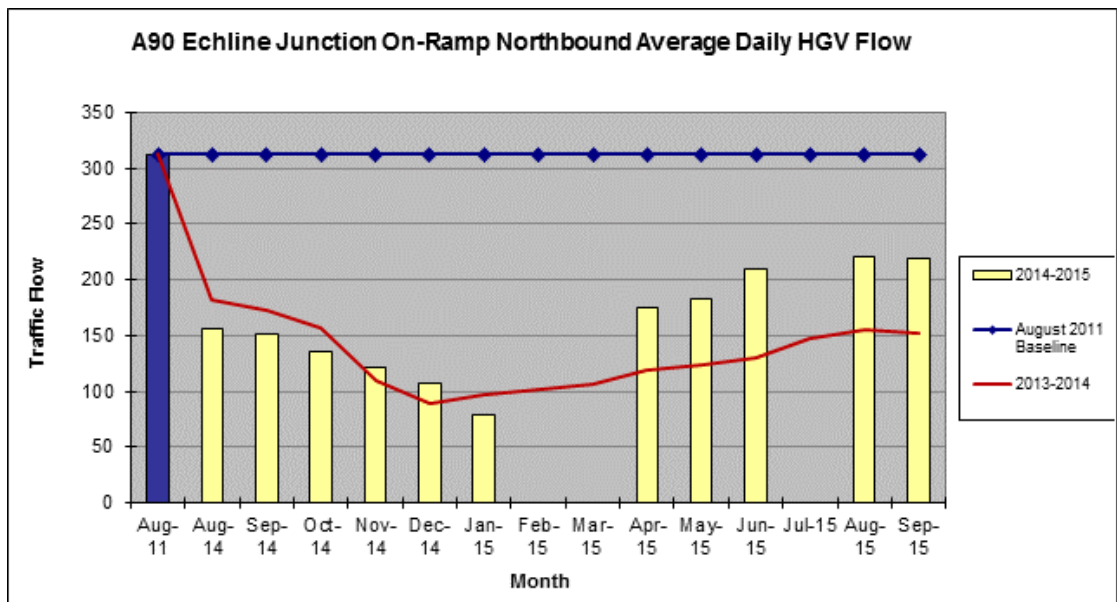


Figure 4-112 Monthly HGV Traffic Flows on the A90 Echline Junction Northbound On-Ramp

4.17.4 Monthly Average All Vehicles Traffic Speeds

Table 4-68 Site: JTC58347 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015

Counter	Location	Date	NB
JTC58347	A90 Echline Junction Northbound On-Ramp	Aug-14	55
		Sep-14	56
		Oct-14	56
		Nov-14	57
		Dec-14	56
		Jan-15	57
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	55
		May-15	55
		Jun-15	53
		Jul-15	No Data
		Aug-15	52
		Sep-15	53

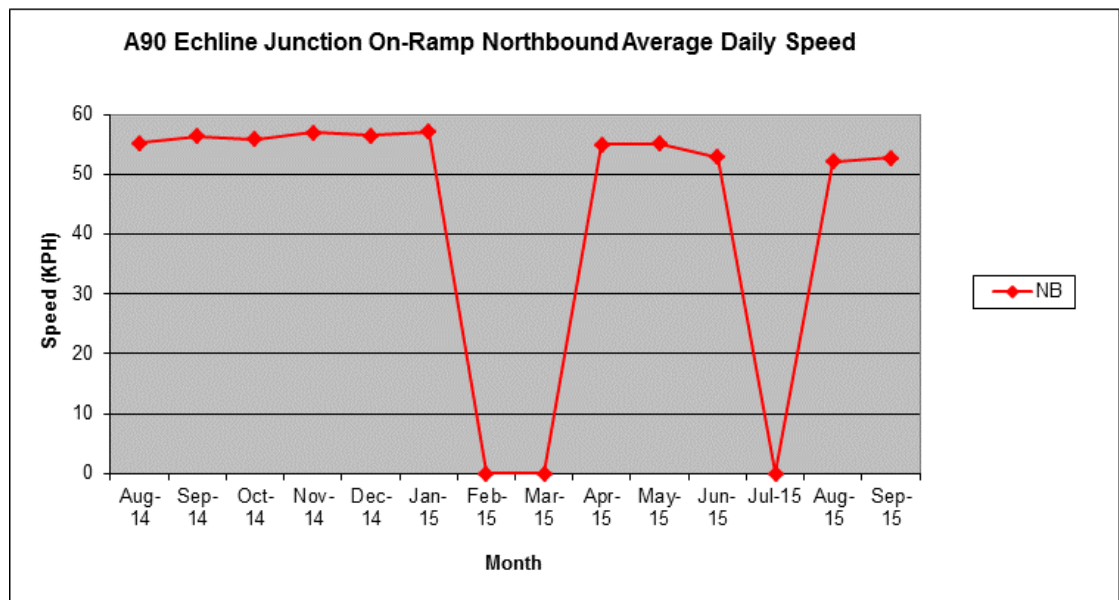


Figure 4-113 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction On-Ramp Northbound

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

Summary of statistics between August 2014 and September 2015:

- HGV flows are significantly lower than the baseline and follow a similar pattern to the previous monitoring period

##### 4.18.1 Monthly Average Traffic Flows

**Table 4-69 Site: JTC58348 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	8,063
		Aug-14	7,049
		Sep-14	7,011
		Oct-14	6,480
		Nov-14	6,391
		Dec-14	6,160
		Jan-15	5,539
		Feb-15	6,346
		Mar-15	6,627
		Apr-15	6,967
		May-15	6,810
		Jun-15	7,200
		Jul-15	6,909
		Aug-15	6,966
		Sep-15	6,853
		<b>Annual Average</b>	<b>6,624</b>

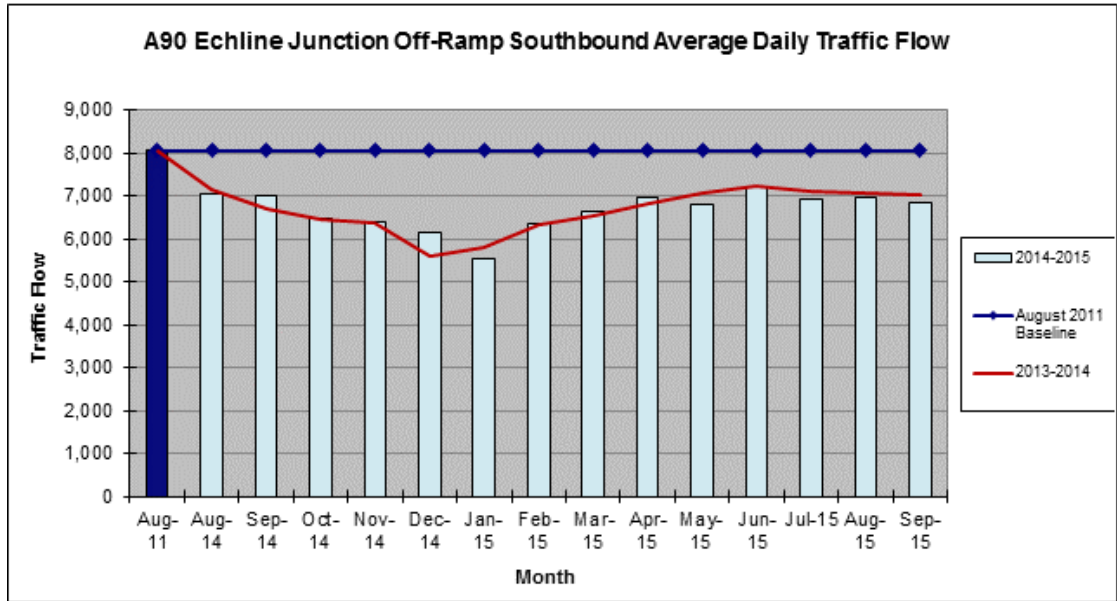


Figure 4-114 Monthly AADTs on the A90 Echline Junction Southbound Off-Ramp

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

Table 4-70 Site: JTC58348 Southbound AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	1,463	2,033
		Aug-14	1,230	1,720
		Sep-14	1,315	1,754
		Oct-14	1,204	1,598
		Nov-14	1,157	1,525
		Dec-14	1,214	1,532
		Jan-15	1,026	1,386
		Feb-15	1,180	1,615
		Mar-15	1,249	1,668
		Apr-15	1,184	1,765
		May-15	1,187	1,692
		Jun-15	1,381	1,728
		Jul-15	1,162	1,679
		Aug-15	1,184	1,710
Sep-15	1,321	1,712		
		<b>Annual Average</b>	<b>1,207</b>	<b>1,638</b>

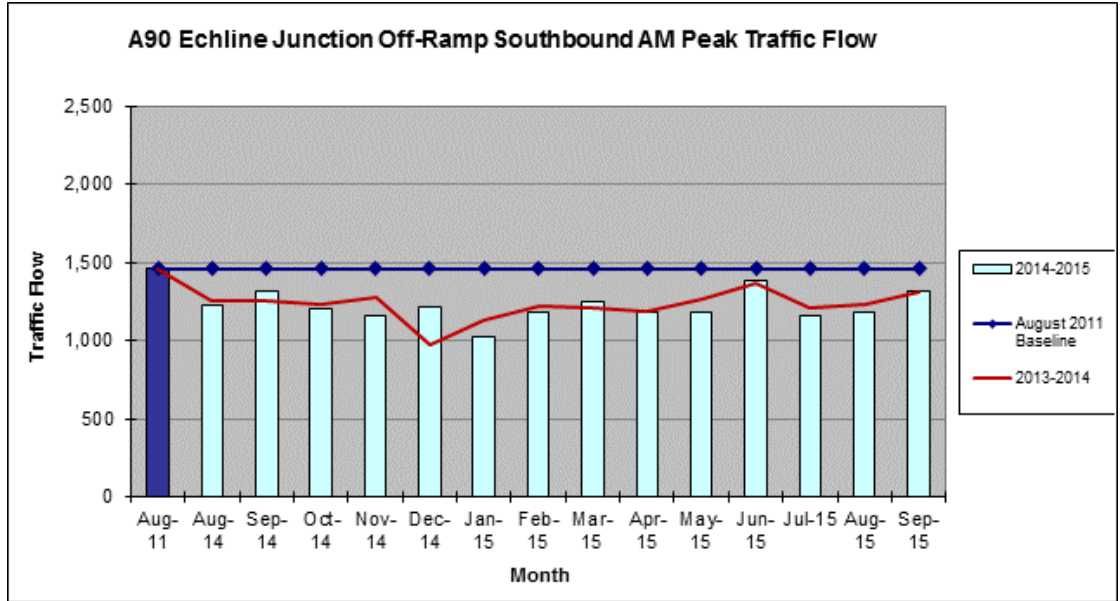


Figure 4-115 Monthly AM Peak Flows on the A90 Echline Junction Southbound Off-Ramp

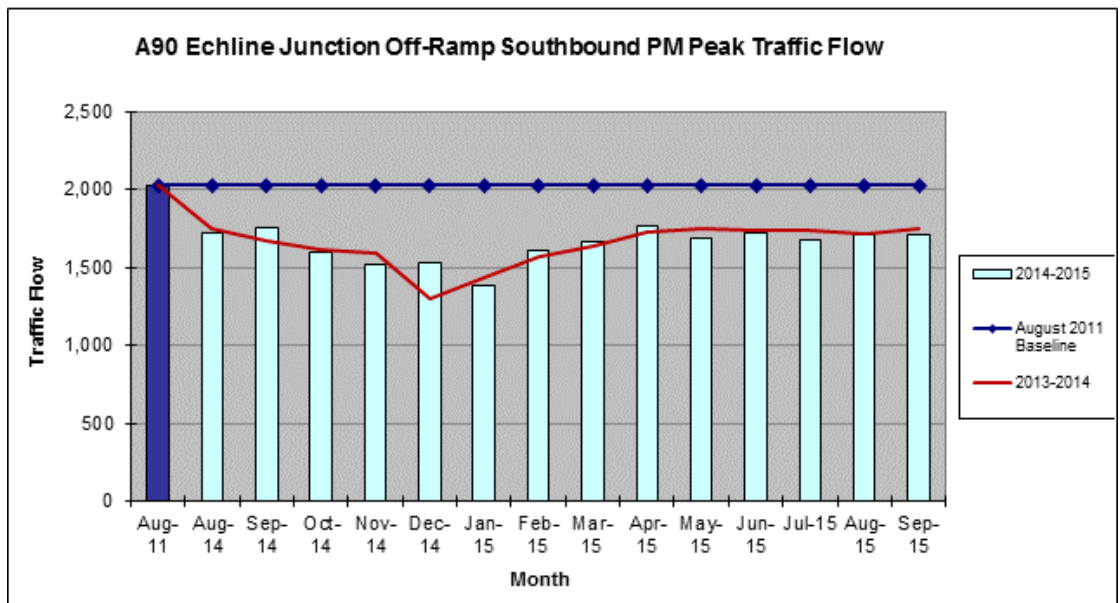


Figure 4-116 Monthly PM Peak Flows on the A90 Echline Junction Southbound Off-Ramp

### 4.18.3 Monthly Average HGV Flows

Table 4-71 Site: JTC58348 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-11	310
		Aug-14	183
		Sep-14	185
		Oct-14	168
		Nov-14	175
		Dec-14	171
		Jan-15	139
		Feb-15	156
		Mar-15	163
		Apr-15	158
		May-15	166
		Jun-15	177
		Jul-15	175
		Aug-15	170
		Sep-15	174
		<b>Annual Average</b>	<b>168</b>

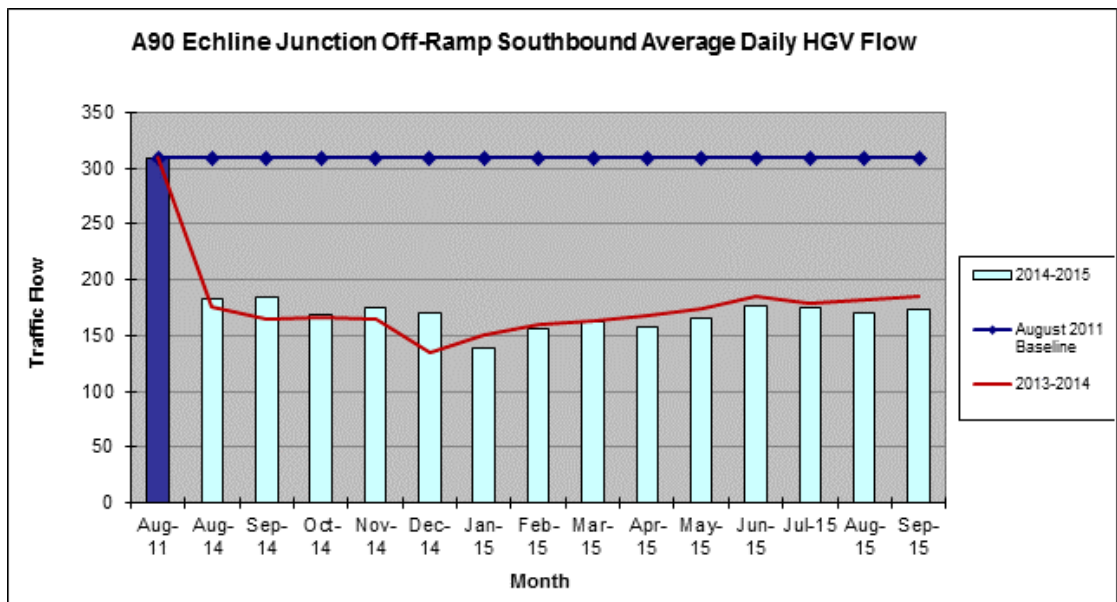
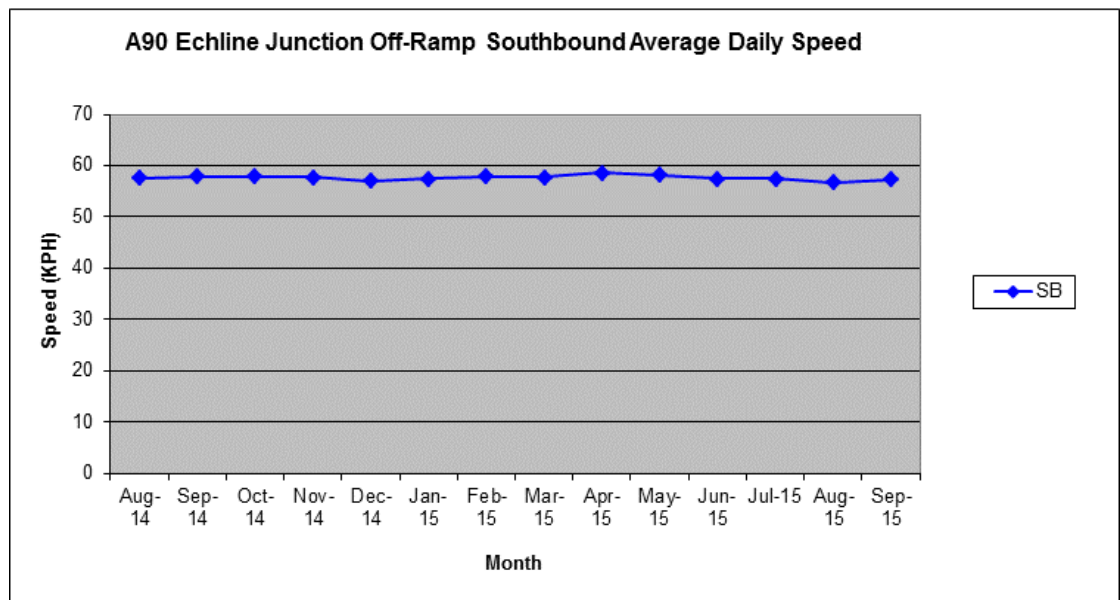


Figure 4-117 Monthly HGV Traffic Flows on the A90 Echline Junction Southbound Off-Ramp

**4.18.4 Monthly Average All Vehicles Traffic Speeds**

**Table 4-72 Site: JTC58348 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015**

Counter	Location	Date	SB
JTC58348	A90 Echline Junction Southbound Off-Ramp	Aug-14	58
		Sep-14	58
		Oct-14	58
		Nov-14	58
		Dec-14	57
		Jan-15	57
		Feb-15	58
		Mar-15	58
		Apr-15	59
		May-15	58
		Jun-15	57
		Jul-15	57
		Aug-15	57
Sep-15	57		



**Figure 4-118 Average Monthly Traffic Speeds (KPH) on the A90 Echline Junction Off-Ramp Southbound**

## 4.19 Traffic Counter NTC00802 - A90 Northbound (West of Barnton)

### 4.19.1 Monthly Average Traffic Flows

*Table 4-73 Site: NTC00802 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Aug-14	No Data
		Sep-14	19,977
		Oct-14	19,110
		Nov-14	19,116
		Dec-14	17,749
		Jan-15	17,194
		Feb-15	18,813
		Mar-15	19,314
		Apr-15	19,543
		May-15	19,906
		Jun-15	20,526
		Jul-15	20,503
		Aug-15	No Data
		Sep-15	19,976
<b>Annual Average</b>	<b>19,250</b>		



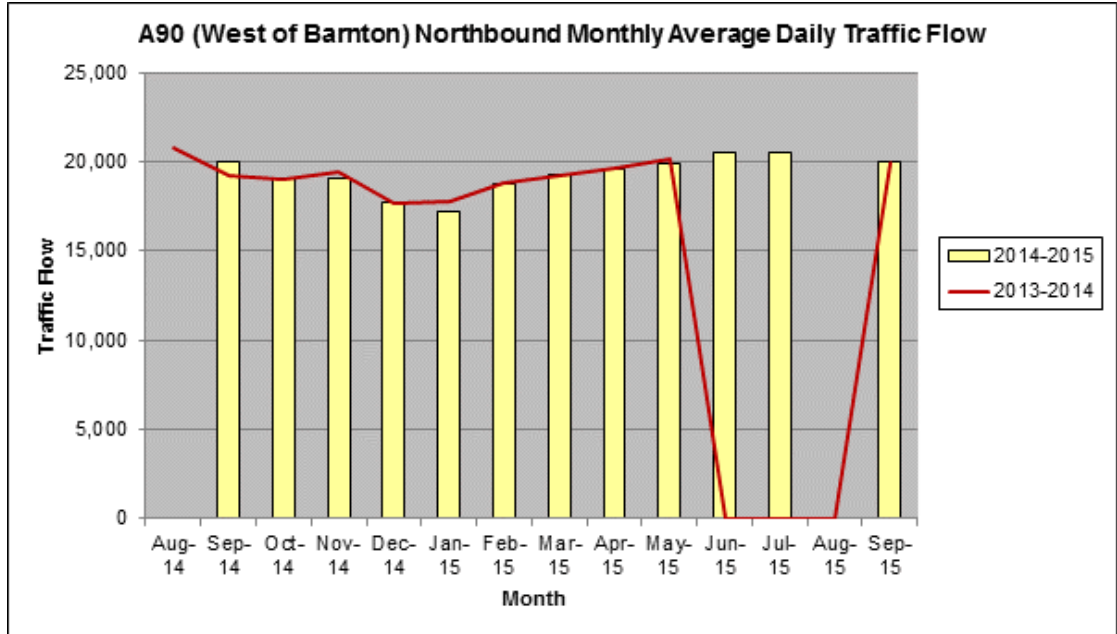


Figure 4-119 Monthly AADTs on the A90 Northbound (West of Barnton)

#### 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 2014 to September 2015

Counter	Location	Date	AM	PM
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	3,415	5,307
		Oct-14	3,126	5,088
		Nov-14	3,076	5,121
		Dec-14	2,548	4,543
		Jan-15	2,714	4,748
		Feb-15	3,094	5,223
		Mar-15	3,222	5,281
		Apr-15	3,103	5,199
		May-15	3,182	5,252
		Jun-15	3,401	5,451
		Jul-15	3,244	5,397
		Aug-15	No Data	No Data
Sep-15	3,244	5,396		
	<b>Annual Average</b>	<b>3,102</b>	<b>5,146</b>	

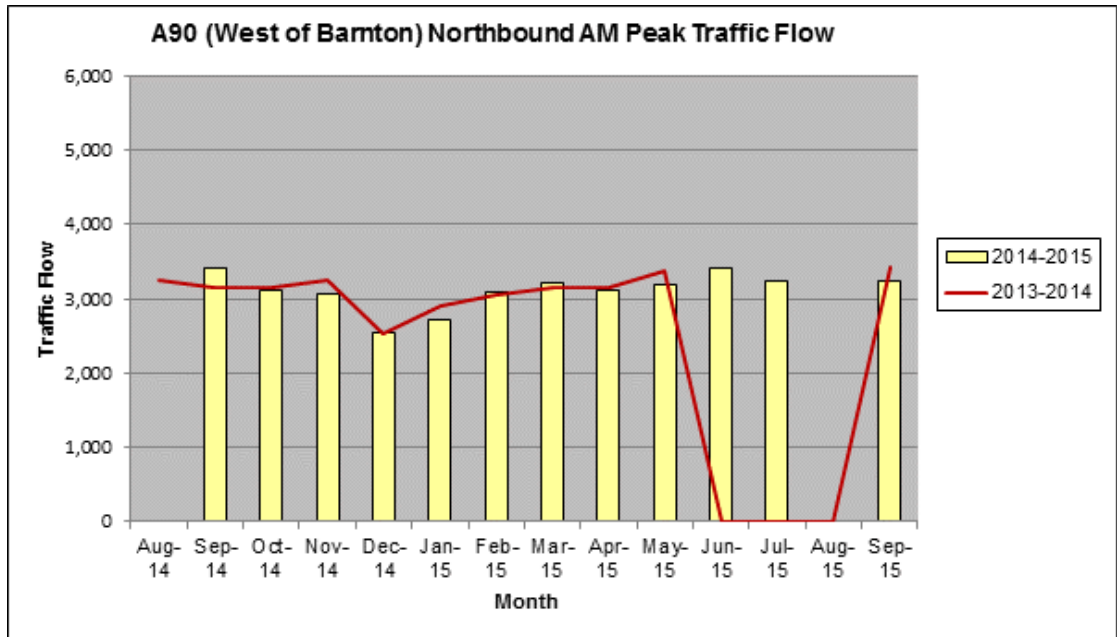


Figure 4-120 Monthly AM Peak Flows on the A90 Northbound (West of Barnton)

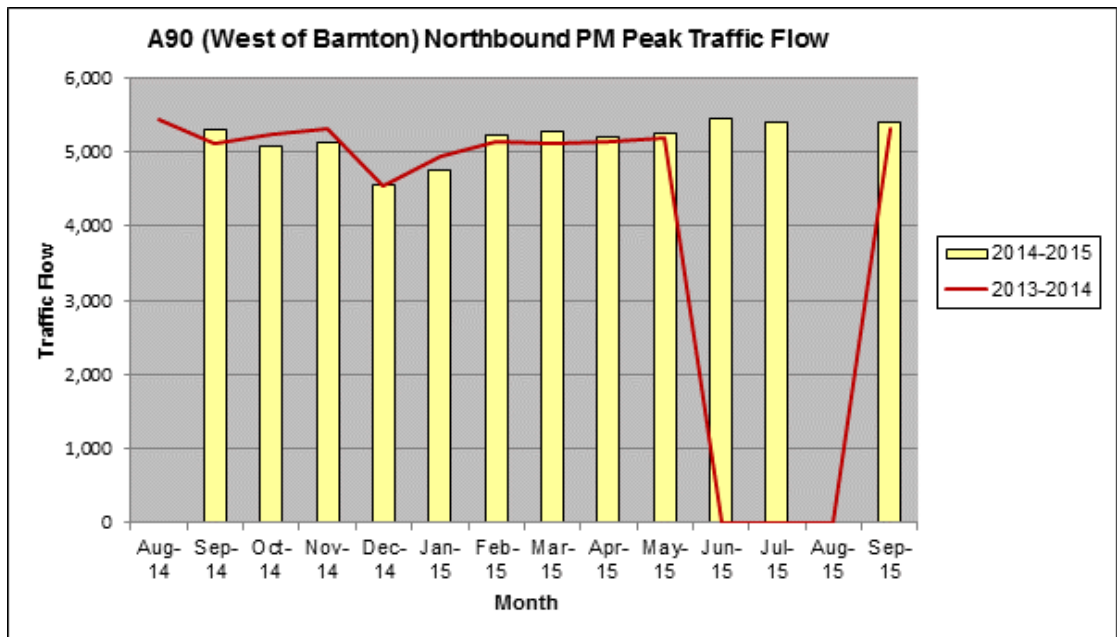


Figure 4-121 Monthly PM Peak Flows on the A90 Northbound (West of Barnton)

### 4.19.3 Monthly Average HGV Flows

Table 4-75 Site: NTC00802 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-11	No Data
		Aug-14	No Data
		Sep-14	511
		Oct-14	460
		Nov-14	430
		Dec-14	386
		Jan-15	373
		Feb-15	429
		Mar-15	443
		Apr-15	453
		May-15	462
		Jun-15	500
		Jul-15	508
		Aug-15	No Data
		Sep-15	469

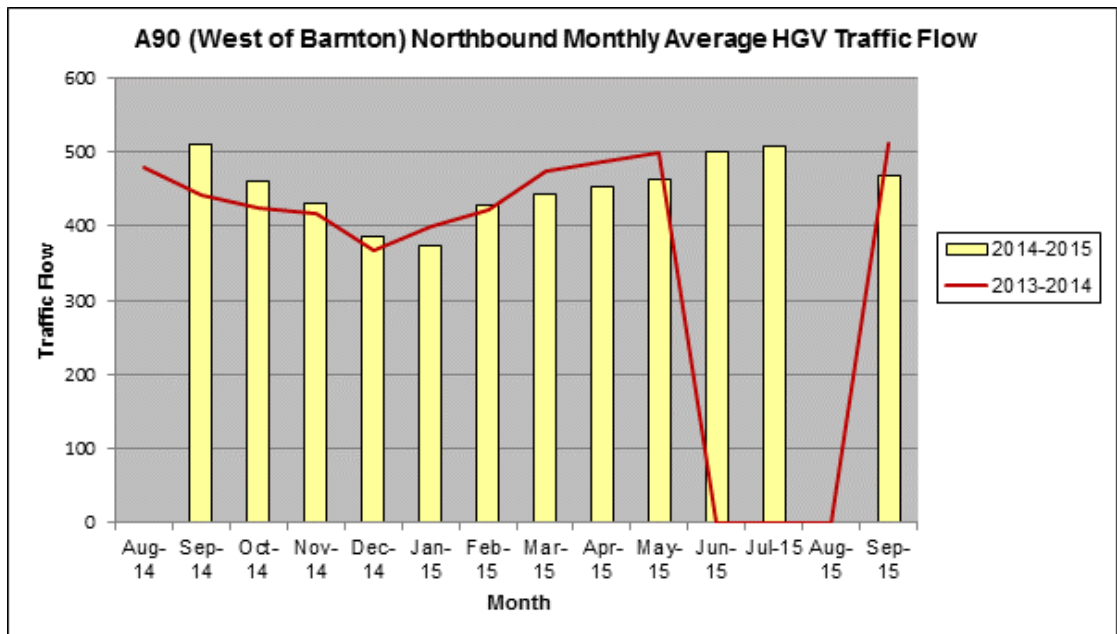


Figure 4-122 Monthly HGV Traffic Flows on the A90 Northbound (West of Barnton)

4.19.4 Monthly Average All Vehicles Traffic Speeds

Table 4-76 Site: NTC00802 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015

Counter	Location	Date	NB
NTC00802	A90 Northbound (West of Barnton)	Aug-14	No Data
		Sep-14	72
		Oct-14	72
		Nov-14	72
		Dec-14	71
		Jan-15	72
		Feb-15	72
		Mar-15	72
		Apr-15	73
		May-15	72
		Jun-15	72
		Jul-15	72
		Aug-15	No Data
		Sep-15	71

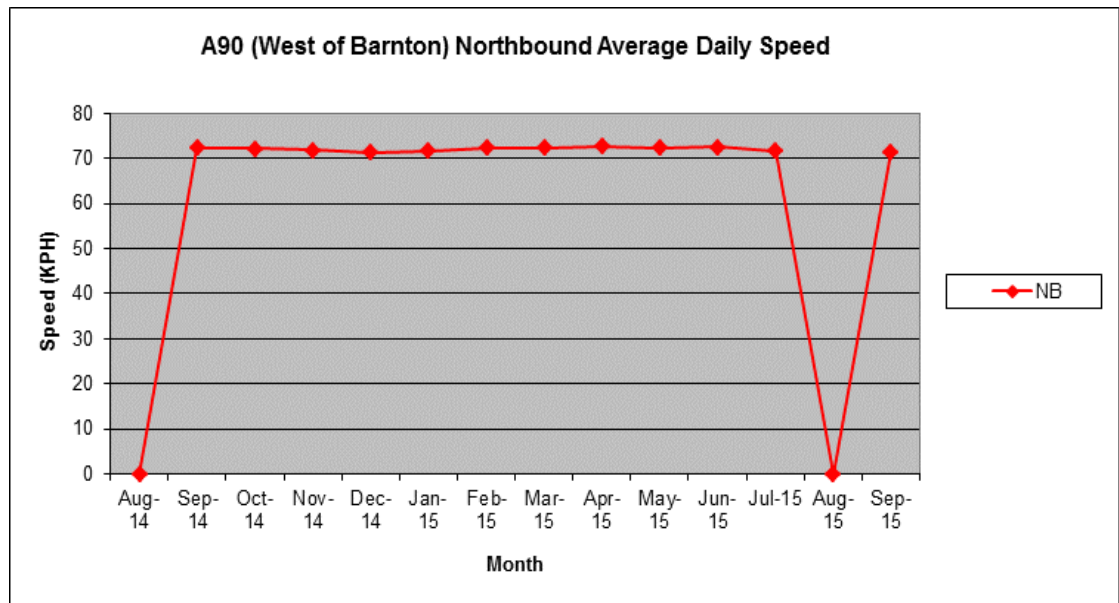


Figure 4-123 Average Monthly Traffic Speeds (KPH) on the A90 (West of Barnton) Northbound

## 4.20 Traffic Counter NTC00803 - A90 Southbound (West of Barnton)

### 4.20.1 Monthly Average Traffic Flows

*Table 4-77 Site: NTC00803 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Aug-14	No Data
		Sep-14	18,434
		Oct-14	17,621
		Nov-14	17,917
		Dec-14	16,624
		Jan-15	16,066
		Feb-15	17,669
		Mar-15	18,038
		Apr-15	18,291
		May-15	18,548
		Jun-15	19,172
		Jul-15	19,032
		Aug-15	No Data
		Sep-15	18,555
<b>Annual Average</b>	<b>17,947</b>		

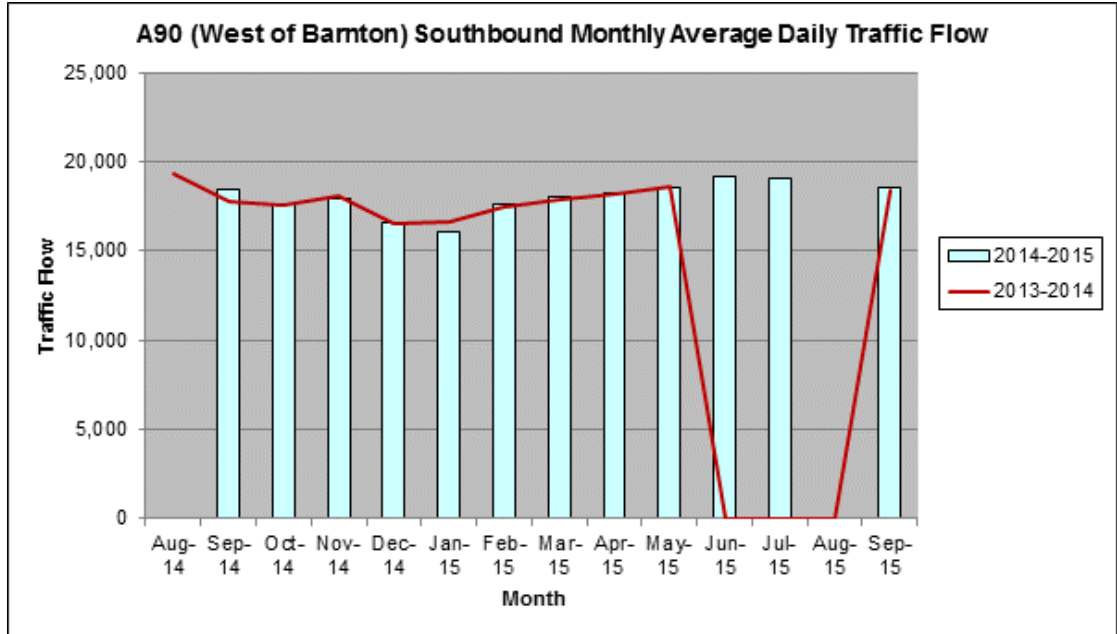


Figure 4-124 Monthly AADTs on the A90 Southbound (West of Barnton)

#### 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 2014 to September 2015

Counter	Location	Date	AM	PM
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data	No Data
		Aug-14	No Data	No Data
		Sep-14	4,171	4,266
		Oct-14	3,933	4,032
		Nov-14	4,117	4,000
		Dec-14	3,525	3,450
		Jan-15	3,815	3,565
		Feb-15	4,134	3,965
		Mar-15	4,326	4,076
		Apr-15	3,951	4,215
		May-15	4,041	4,235
		Jun-15	4,337	4,299
		Jul-15	4,029	4,134
		Aug-15	No Data	No Data
Sep-15	4,141	4,267		
	<b>Annual Average</b>	<b>4,035</b>	<b>4,021</b>	

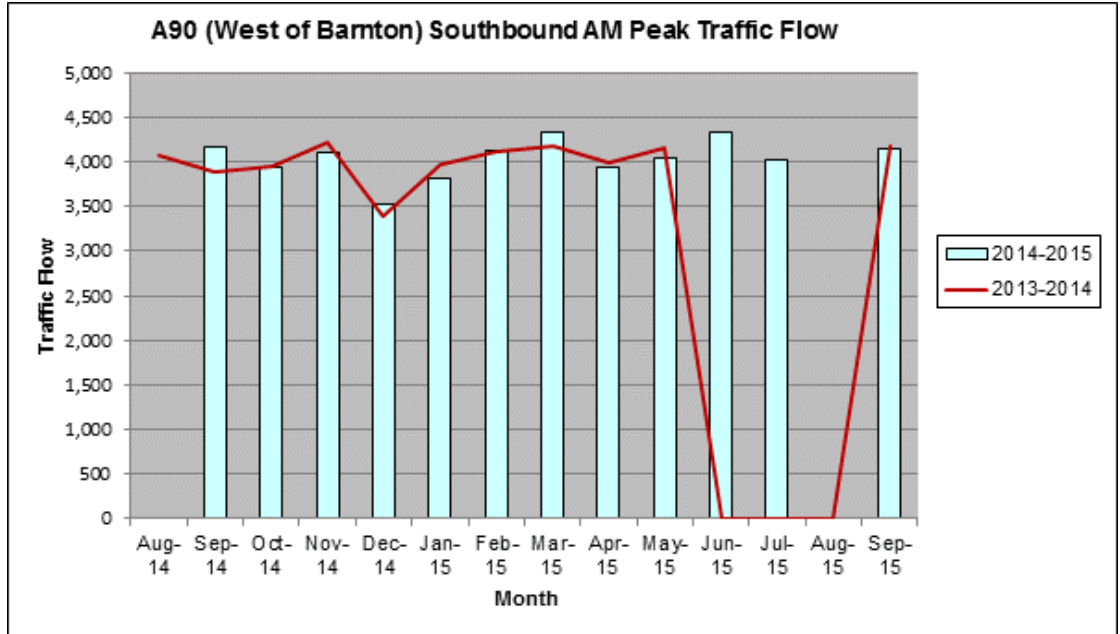


Figure 4-125 Monthly AM Peak Flows on the A90 Southbound (West of Barnton)

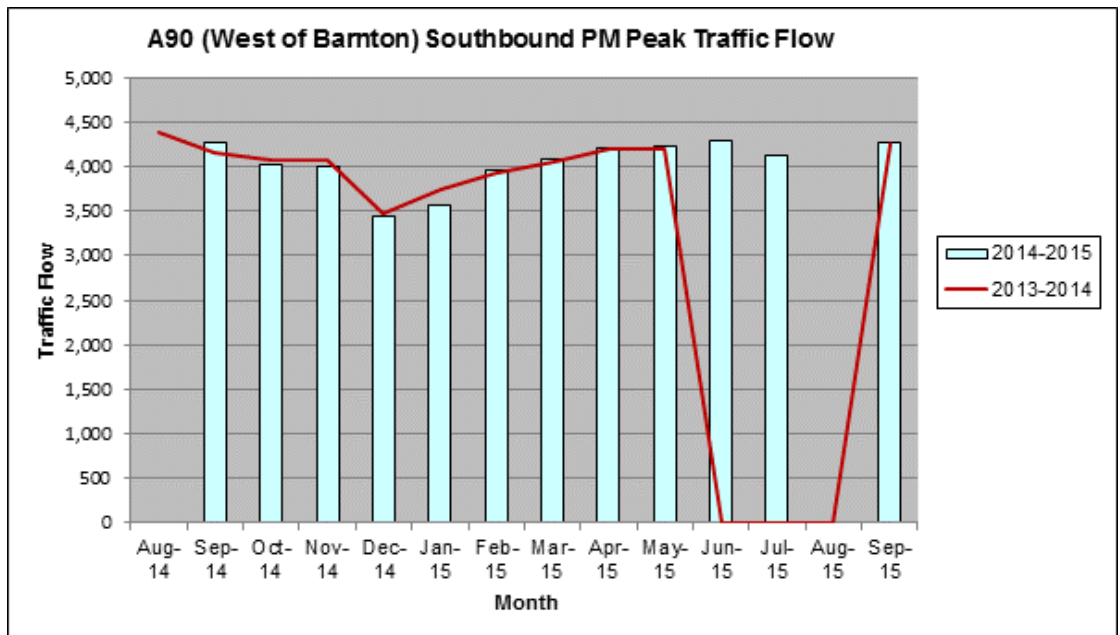


Figure 4-126 Monthly PM Peak Flows on the A90 Southbound (West of Barnton)

### 4.20.3 Monthly Average HGVS Flows

Table 4-79 Site: NTC00803 Annual HGVS Traffic Flows - August 2014 to September 2015

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-11	No Data
		Aug-14	No Data
		Sep-14	421
		Oct-14	381
		Nov-14	358
		Dec-14	325
		Jan-15	310
		Feb-15	353
		Mar-15	366
		Apr-15	373
		May-15	391
		Jun-15	420
		Jul-15	445
		Aug-15	No Data
		Sep-15	395

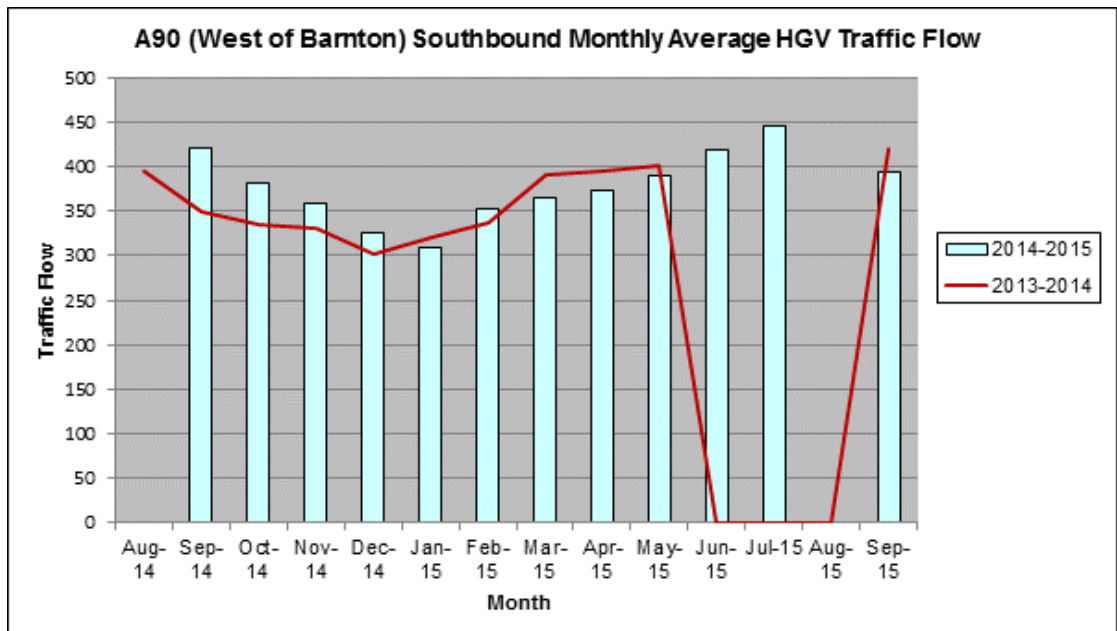


Figure 4-127 Monthly HGVS Traffic Flows on the A90 Southbound (West of Barnton)



4.20.4 Monthly Average All Vehicles Traffic Speeds

Table 4-80 Site: NTC00803 Average Monthly Traffic Speeds (KPH) (All Vehicles) - August 2014 to September 2015

Counter	Location	Date	SB
NTC00803	A90 Southbound (West of Barnton)	Aug-14	No Data
		Sep-14	65
		Oct-14	63
		Nov-14	63
		Dec-14	63
		Jan-15	63
		Feb-15	64
		Mar-15	64
		Apr-15	65
		May-15	64
		Jun-15	64
		Jul-15	65
		Aug-15	No Data
		Sep-15	64

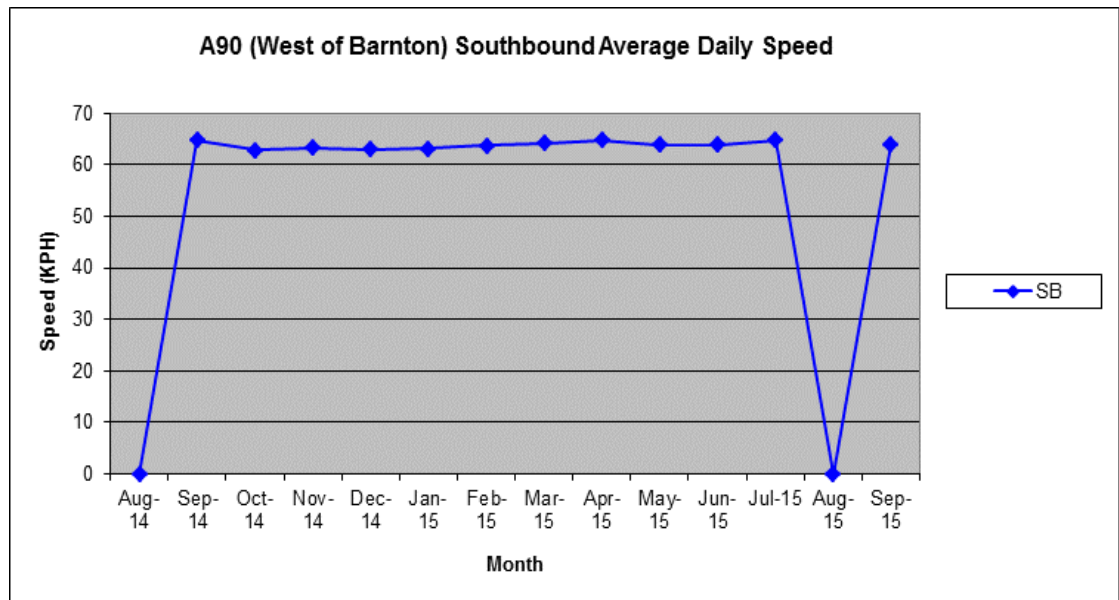


Figure 4-128 Average Monthly Traffic Speeds (KPH) on the A90 (West of Barnton) Southbound

## 4.21 Traffic Counter NTCNT010 - A8 West of A720 City Bypass (Gogar)

### 4.21.1 Monthly Average Traffic Flows

*Table 4-81 Site: NTCNT010 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	EB	WB	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	21,732	21,080	42,812
		Aug-14	22,959	22,709	45,668
		Sep-14	23,331	22,746	46,077
		Oct-14	22,408	21,139	43,548
		Nov-14	21,278	19,752	41,030
		Dec-14	18,777	18,778	37,555
		Jan-15	19,495	19,099	38,594
		Feb-15	21,549	20,935	42,483
		Mar-15	22,271	21,612	43,883
		Apr-15	22,427	21,882	44,309
		May-15	23,060	22,498	45,557
		Jun-15	24,088	23,496	47,584
		Jul-15	23,608	23,016	46,624
		Aug-15	23,500	23,005	46,505
		Sep-15	24,112	23,182	47,293
	<b>Annual Average</b>	<b>22,104</b>	<b>21,472</b>	<b>43,576</b>	

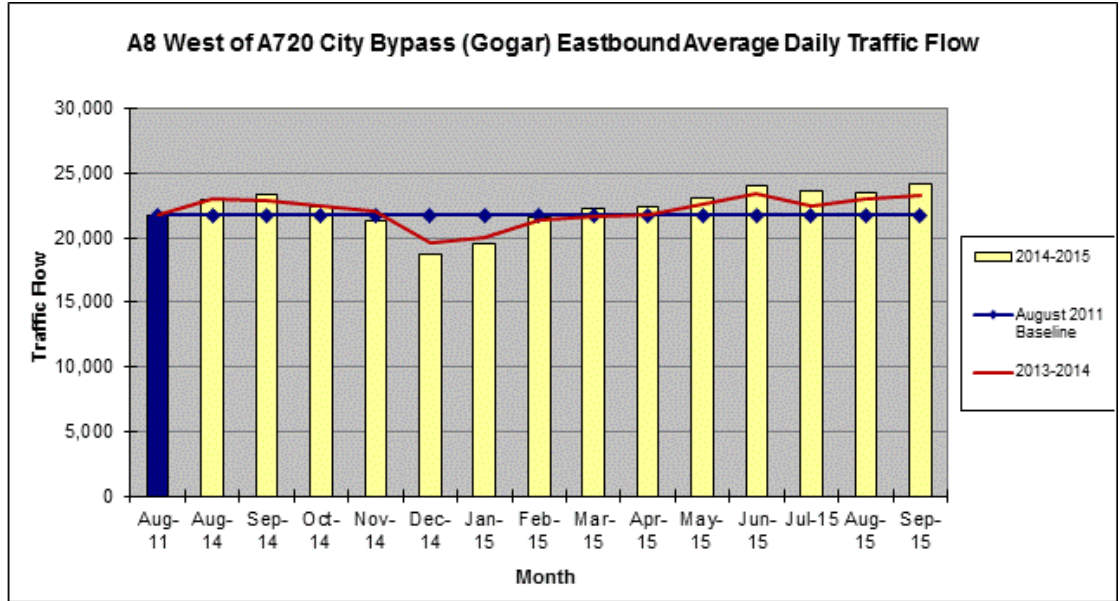


Figure 4-129 Monthly Eastbound AADTs on the A8 West of A720 City Bypass (Gogar)

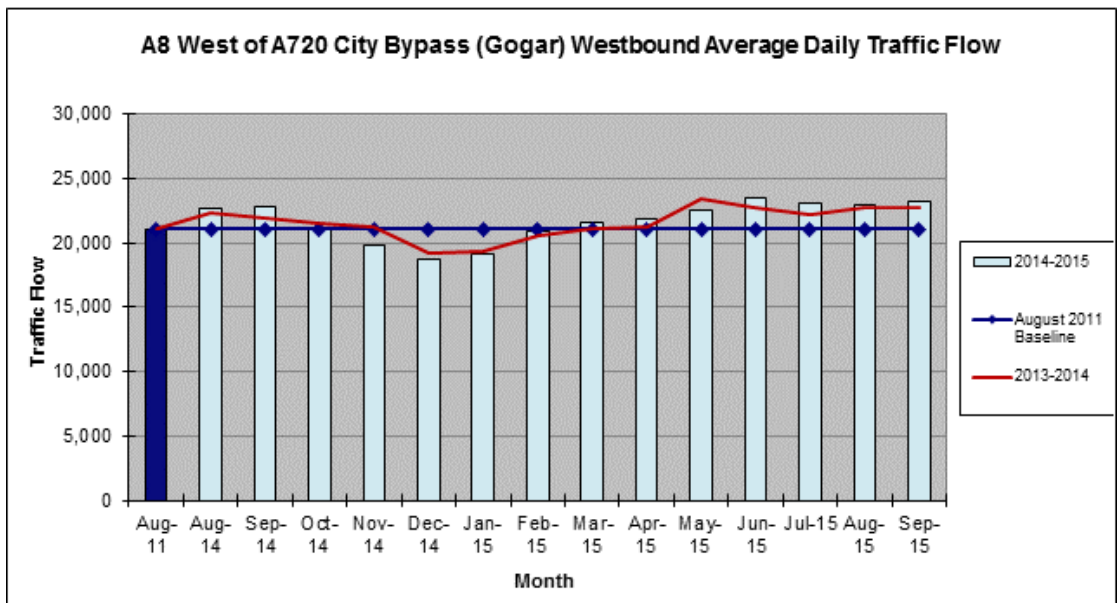


Figure 4-130 Monthly Westbound AADTs on the A8 West of A720 City Bypass (Gogar)

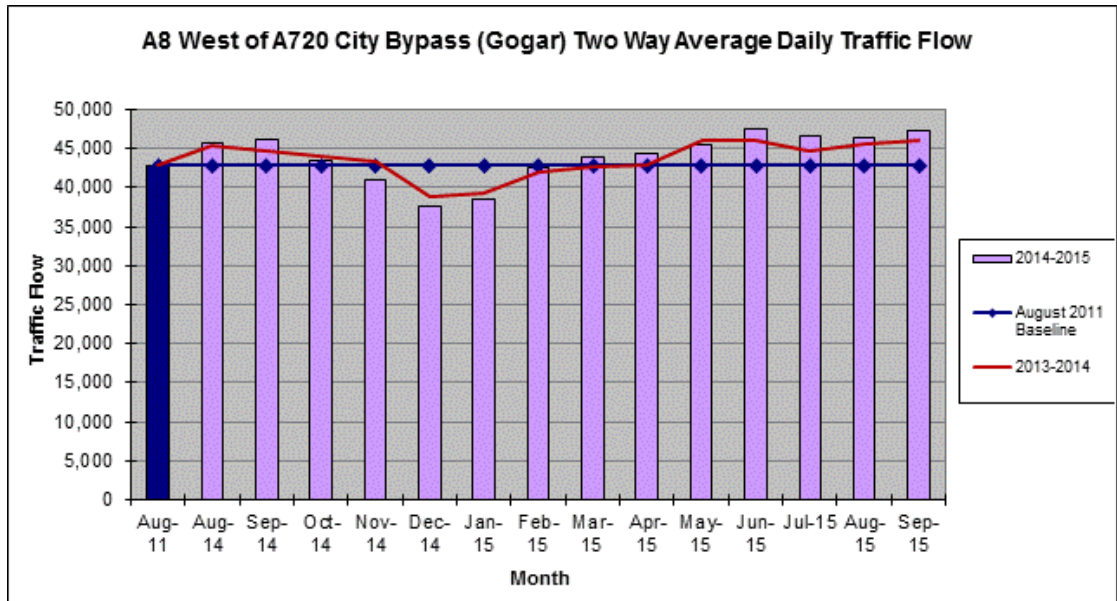


Figure 4-131 Monthly Two Way Daily Traffic Flows on the A8 West of A720 City Bypass (Gogar)

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

Table 4-82 Site: NTCNT010 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	8,217	9,045
		Aug-14	8,978	9,156
		Sep-14	9,656	9,385
		Oct-14	8,975	9,063
		Nov-14	8,508	8,395
		Dec-14	6,966	7,255
		Jan-15	8,225	8,142
		Feb-15	9,139	8,940
		Mar-15	9,490	9,103
		Apr-15	8,951	9,222
		May-15	9,089	9,118
		Jun-15	9,700	9,350
		Jul-15	9,377	9,245
		Aug-15	8,994	9,316
Sep-15	9,737	9,411		
		<b>Annual Average</b>	<b>8,921</b>	<b>8,865</b>

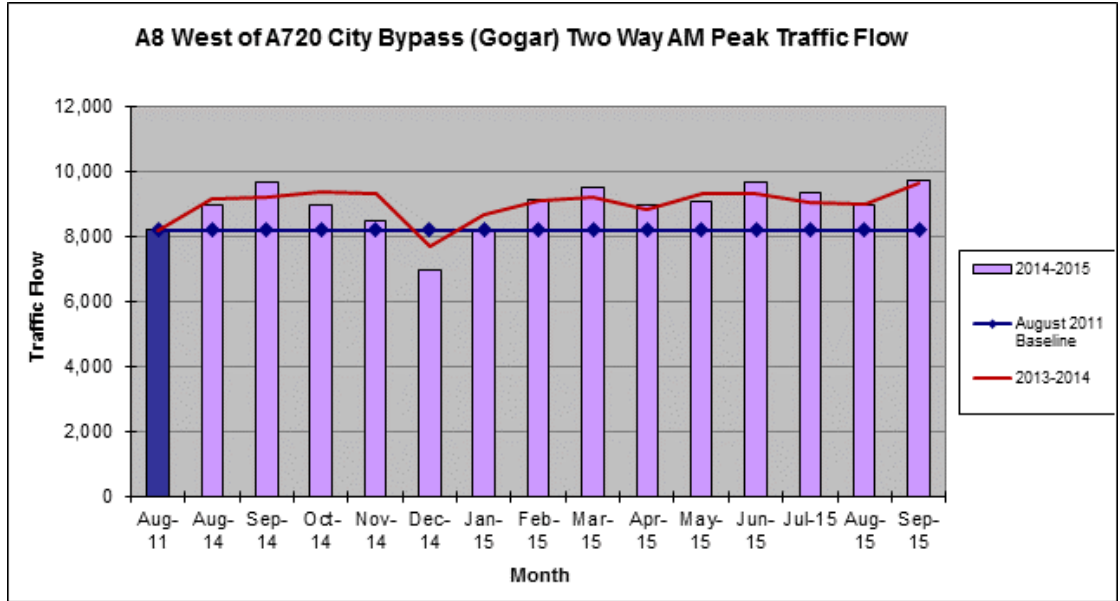


Figure 4-132 Monthly Two Way AM Peak Flows on the A8 West of A720 City Bypass (Gogar)

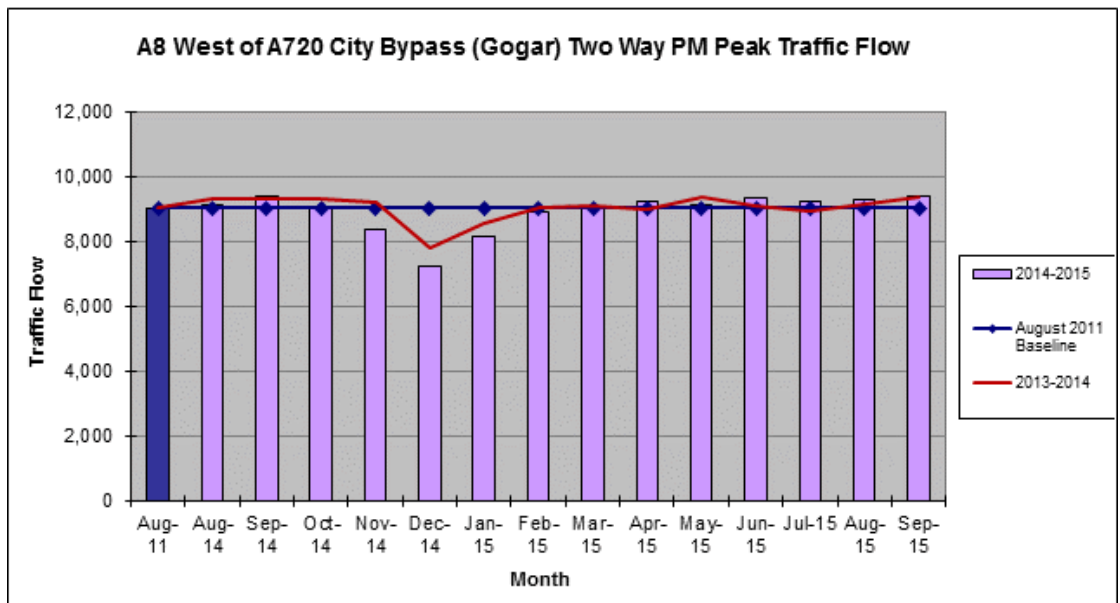


Figure 4-133 Monthly Two Way PM Peak Flows on the A8 West of A720 City Bypass (Gogar)

### 4.21.3 Monthly Average HGV Flows

Table 4-83 Site: NTCNT010 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-11	7,159
		Aug-14	7,556
		Sep-14	7,269
		Oct-14	6,940
		Nov-14	6,331
		Dec-14	6,321
		Jan-15	6,362
		Feb-15	6,980
		Mar-15	7,258
		Apr-15	7,550
		May-15	7,731
		Jun-15	8,124
		Jul-15	8,384
		Aug-15	7,678
		Sep-15	7,557
		<b>Annual Average</b>	<b>7,234</b>

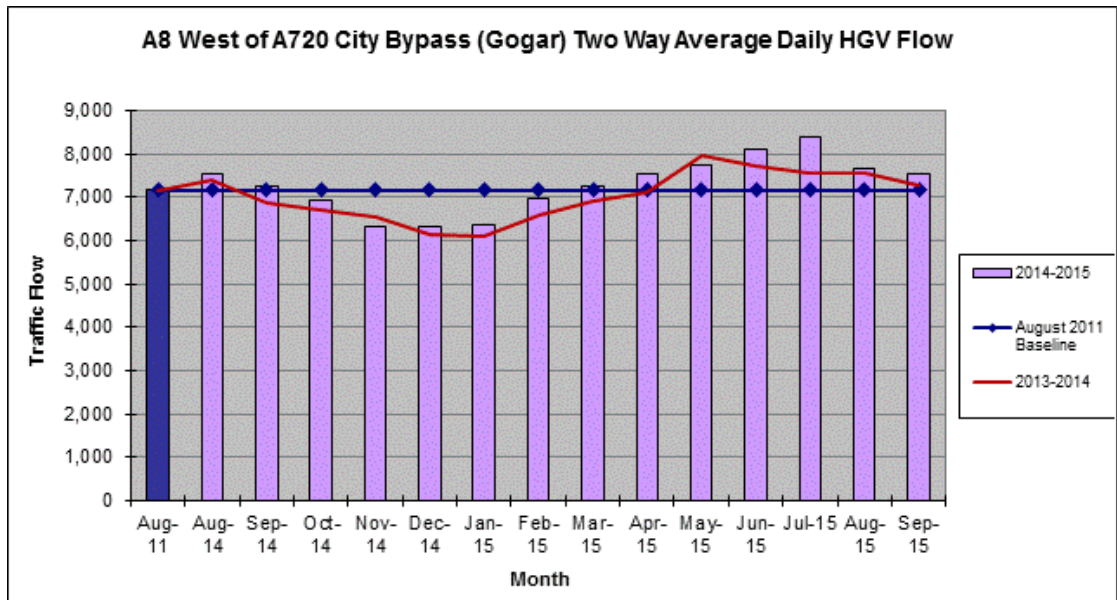


Figure 4-134 Monthly Two Way HGV Traffic Flows on the A8 West of A720 City Bypass (Gogar)

4.21.4 Monthly Average All Vehicles Traffic Speeds

Table 4-84 Site: NTCNT010 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	EB	WB
NTCNT010	A8 West of A720 City Bypass (Gogar)	Aug-14	68	97
		Sep-14	69	95
		Oct-14	66	94
		Nov-14	67	95
		Dec-14	68	97
		Jan-15	68	97
		Feb-15	68	97
		Mar-15	68	97
		Apr-15	68	98
		May-15	67	98
		Jun-15	65	96
		Jul-15	66	99
		Aug-15	65	94
		Sep-15	65	95

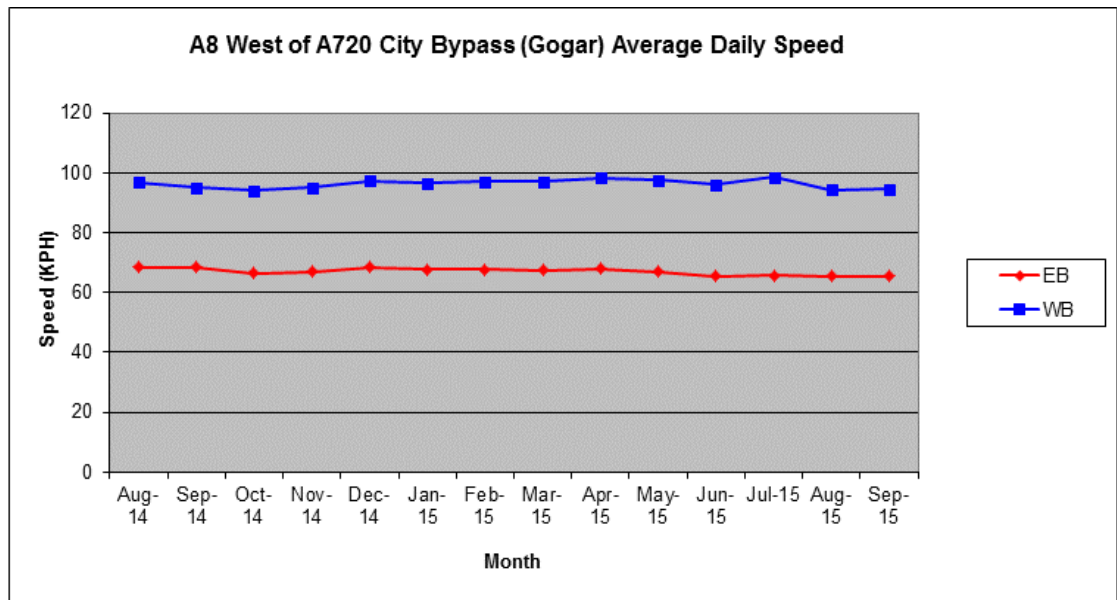


Figure 4-135 Average Monthly Traffic Speeds (KPH) on the A8 West of A720 City Bypass (Gogar)



## 5 B-Road Automatic Traffic Counter Data

### 5.1 Traffic Counter JTC00396 - B9080 (East of Winchburgh)

#### 5.1.1 Monthly Average Traffic Flows

*Table 5-1 Site: JTC00396 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	EB	WB	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	1,712	1,729	3,441
		Aug-14	1,766	1,685	3,450
		Sep-14	1,795	1,707	3,502
		Oct-14	1,591	1,520	3,111
		Nov-14	1,477	1,411	2,888
		Dec-14	1,562	1,445	3,007
		Jan-15	1,457	1,408	2,866
		Feb-15	1,646	1,580	3,226
		Mar-15	1,772	1,721	3,493
		Apr-15	1,818	1,757	3,575
		May-15	1,828	1,766	3,594
		Jun-15	1,989	1,895	3,884
		Jul-15	1,870	1,781	3,650
		Aug-15	1,863	1,765	3,628
		Sep-15	1,910	1,835	3,745
		<b>Annual Average</b>	<b>1,714</b>	<b>1,640</b>	<b>3,354</b>



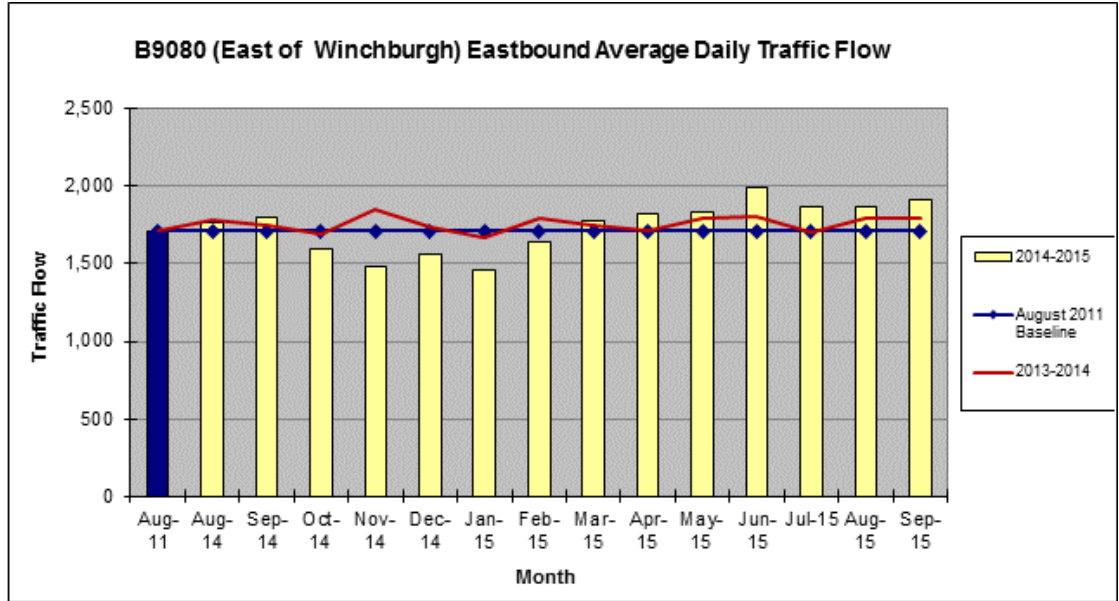


Figure 5-1 Monthly Eastbound AADTs on the B9080 (East of Winchburgh)

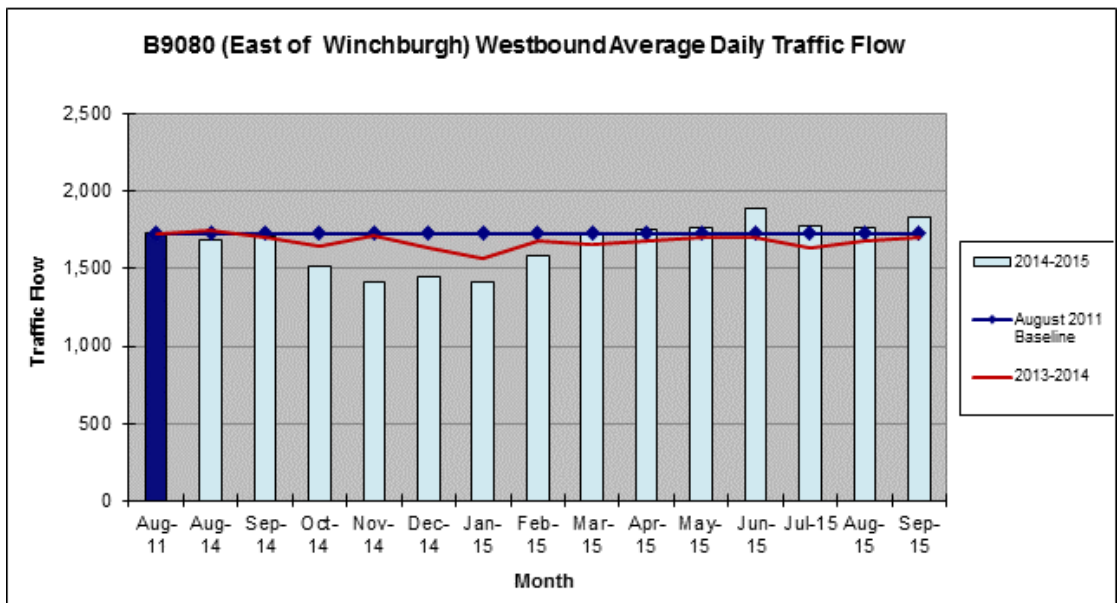


Figure 5-2 Monthly Westbound AADTs on the B9080 (East of Winchburgh)

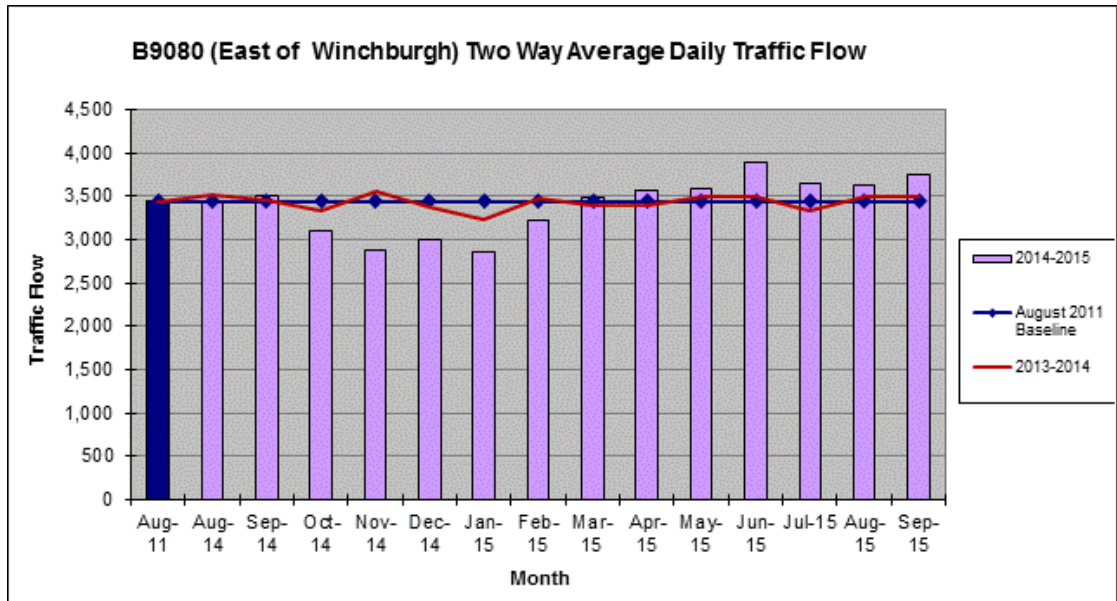


Figure 5-3 Monthly Two Way Daily Traffic Flows on the B9080 (East of Winchburgh)

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

Table 5-2 Site: JTC00396 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00396	B9080 (East of Winchburgh)	Aug-11	658	868
		Aug-14	617	821
		Sep-14	702	841
		Oct-14	568	728
		Nov-14	538	646
		Dec-14	579	672
		Jan-15	525	644
		Feb-15	623	745
		Mar-15	700	798
		Apr-15	652	830
		May-15	661	830
		Jun-15	756	916
		Jul-15	634	851
		Aug-15	621	867
Sep-15	709	915		
		<b>Annual Average</b>	<b>629</b>	<b>777</b>

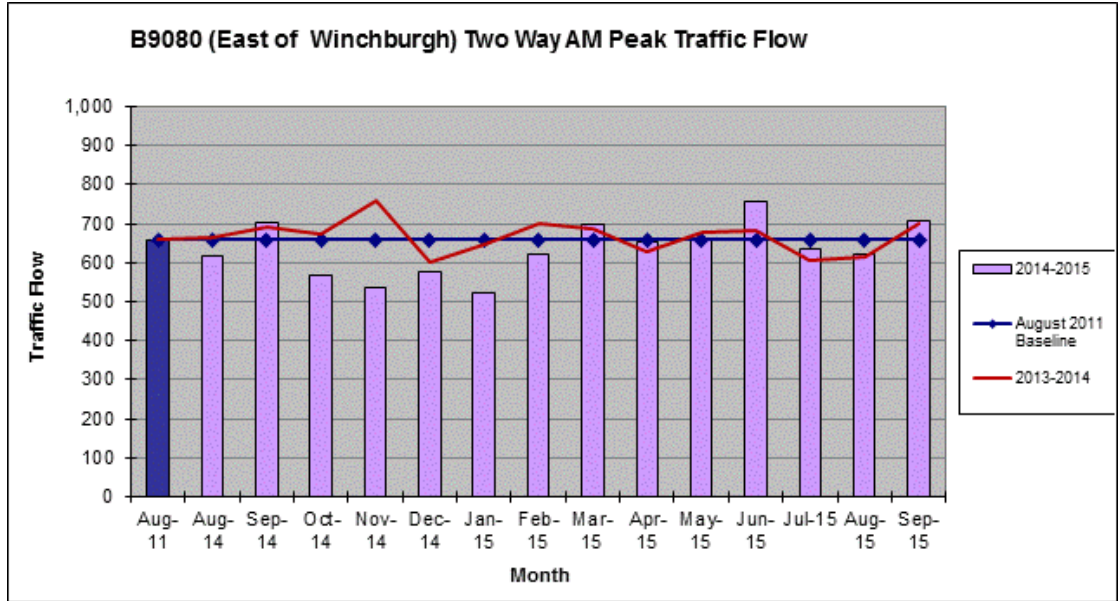


Figure 5-4 Monthly Two Way AM Peak Flows on the B9080 (East of Winchburgh)

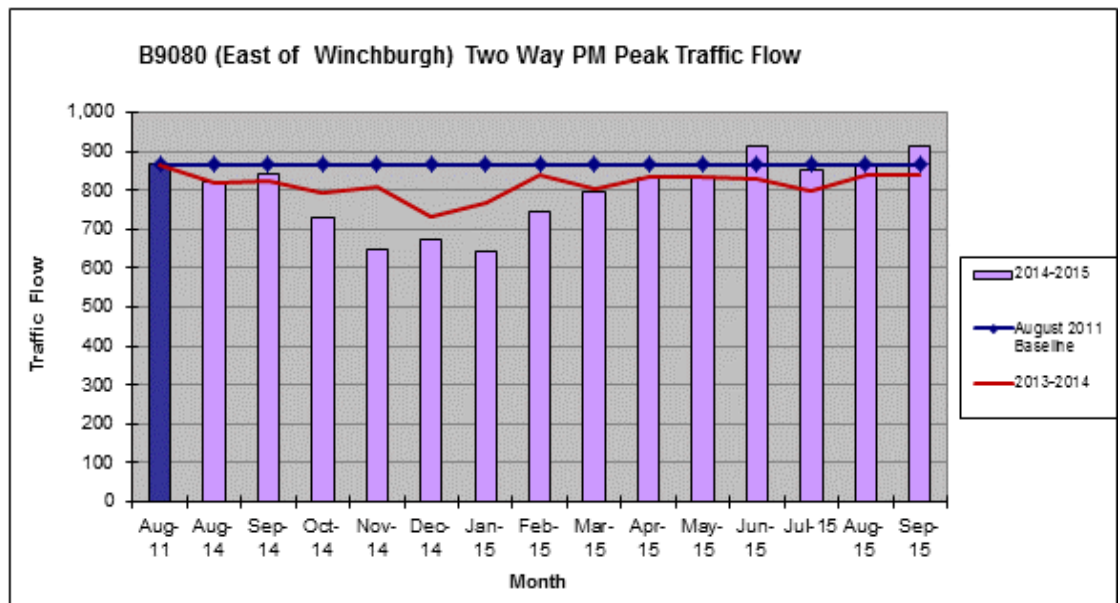


Figure 5-5 Monthly Two Way PM Peak Flows on the B9080 (East of Winchburgh)

### 5.1.3 Monthly Average HGV Flows

Table 5-3 Site: JTC00396 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00396	B9080 (East of Winchburgh)	Aug-11	127
		Aug-14	123
		Sep-14	127
		Oct-14	114
		Nov-14	104
		Dec-14	116
		Jan-15	106
		Feb-15	117
		Mar-15	120
		Apr-15	114
		May-15	120
		Jun-15	124
		Jul-15	121
		Aug-15	115
		Sep-15	146
		<b>Annual Average</b>	

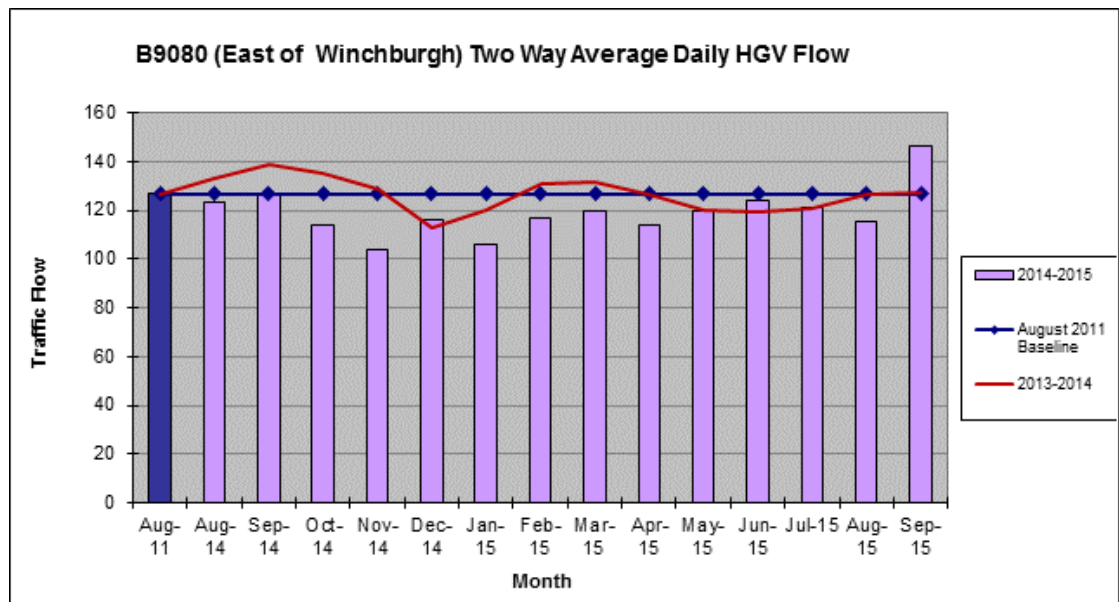
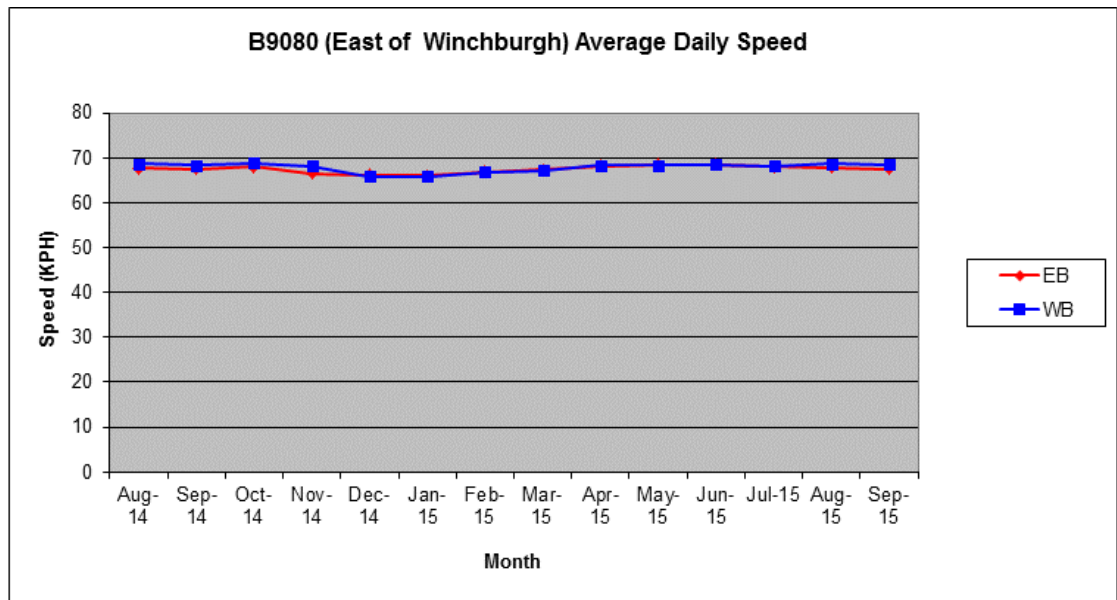


Figure 5-6 Monthly Two Way HGV Traffic Flows on the B9080 (East of Winchburgh)

### 5.1.4 Monthly Average All Vehicles Traffic Speeds

**Table 5-4 Site: JTC00396 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	EB	WB
JTC00396	B9080 (East of Winchburgh)	Aug-14	68	69
		Sep-14	68	68
		Oct-14	68	69
		Nov-14	66	68
		Dec-14	66	66
		Jan-15	66	66
		Feb-15	67	67
		Mar-15	67	67
		Apr-15	68	68
		May-15	69	68
		Jun-15	69	69
		Jul-15	68	68
		Aug-15	68	69
Sep-15	67	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 5-5 Site: JTC00575 Annual Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB	SB	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	2,614	2,784	5,399
		Aug-14	No Data	No Data	No Data
		Sep-14	2,094	2,133	4,227
		Oct-14	1,856	1,938	3,795
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	1,623	1,713	3,337
		Feb-15	1,734	1,930	3,664
		Mar-15	1,875	2,093	3,968
		Apr-15	1,962	2,293	4,255
		May-15	2,009	2,331	4,340
		Jun-15	2,062	2,395	4,457
		Jul-15	2,027	2,325	4,352
		Aug-15	2,264	2,513	4,777
		Sep-15	2,177	2,408	4,586
		<b>Annual Average</b>	<b>1,916</b>	<b>2,128</b>	<b>4,044</b>

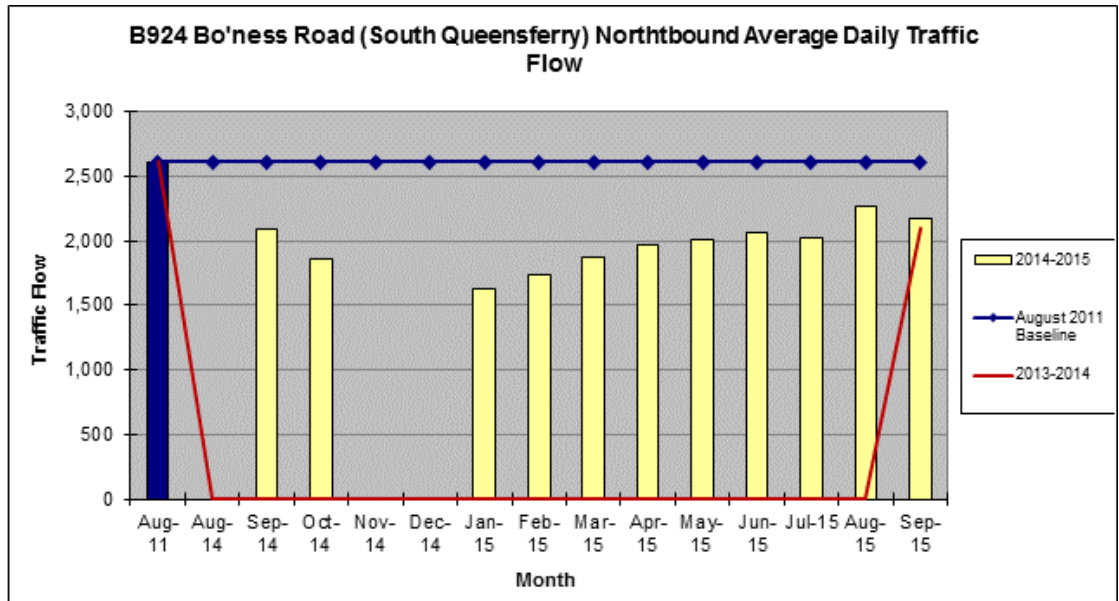


Figure 5-8 Monthly Northbound AADTs on the B924 Bo'ness Road (South Queensferry)

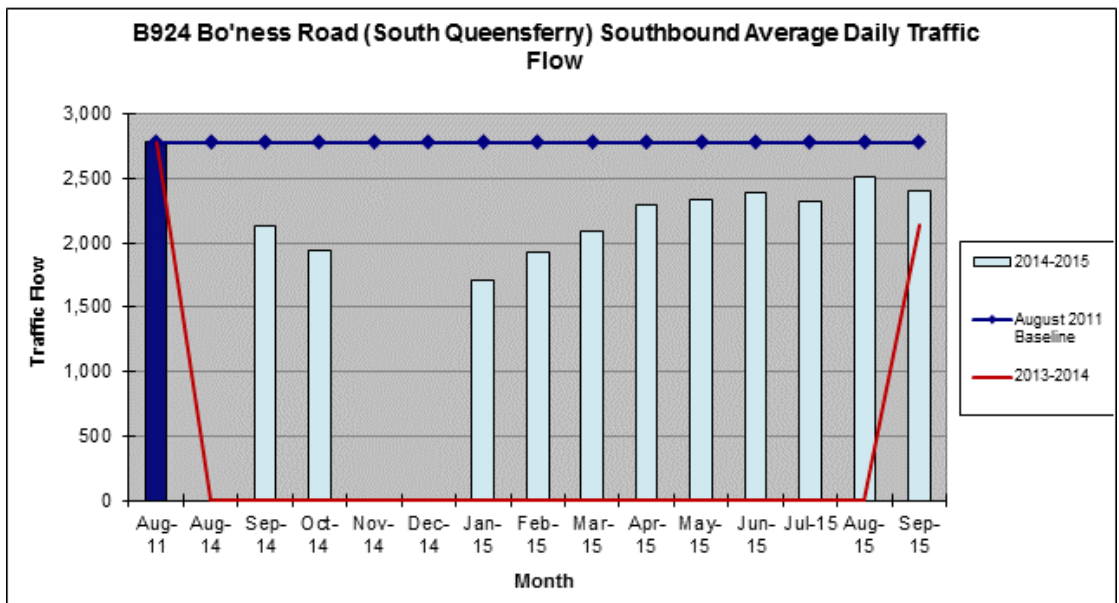


Figure 5-9 Monthly Southbound AADTs on the B924 Bo'ness Road (South Queensferry)



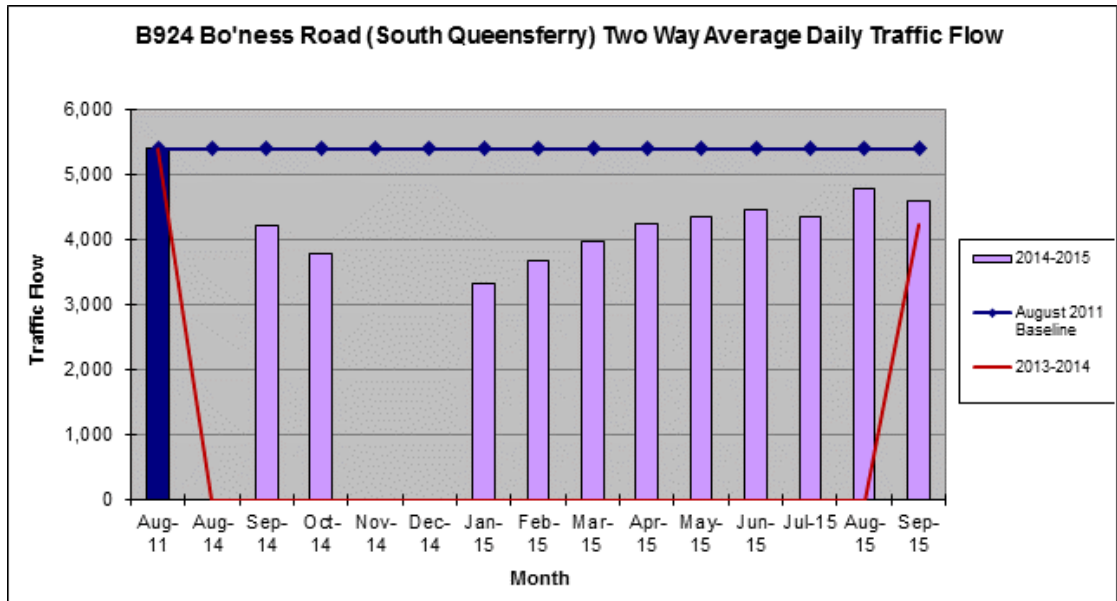


Figure 5-10 Monthly Two Way Daily Traffic Flows on the B924 Bo'ness Road (South Queensferry)

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

Table 5-6 Site: JTC00575 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	831	1,190
		Aug-14	No Data	No Data
		Sep-14	649	976
		Oct-14	627	885
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	544	731
		Feb-15	596	793
		Mar-15	648	847
		Apr-15	701	852
		May-15	727	862
		Jun-15	715	941
		Jul-15	622	982
		Aug-15	671	1,112
Sep-15	705	1,074		
	<b>Annual Average</b>	<b>648</b>	<b>874</b>	



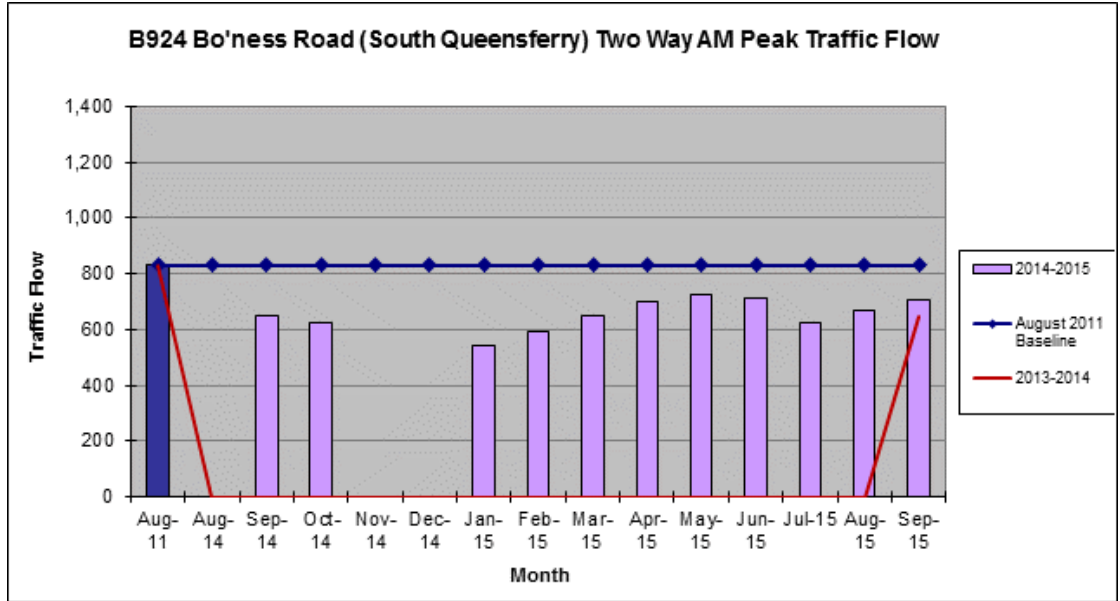


Figure 5-11 Monthly Two Way AM Peak Flows on the B924 Bo'ness Road (South Queensferry)

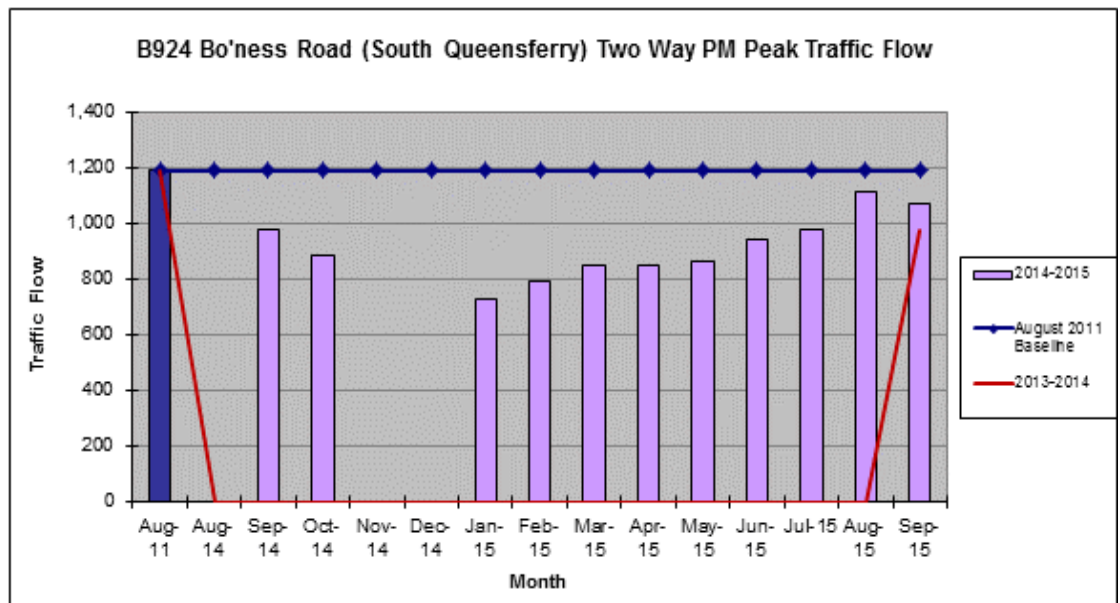


Figure 5-12 Monthly Two Way PM Peak Flows on the B924 Bo'ness Road (South Queensferry)

### 5.2.3 Monthly Average HGV Flows

Table 5-7 Site: JTC00575 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-11	136
		Aug-14	No Data
		Sep-14	112
		Oct-14	114
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	102
		Feb-15	99
		Mar-15	96
		Apr-15	108
		May-15	103
		Jun-15	109
		Jul-15	107
		Aug-15	108
		Sep-15	108

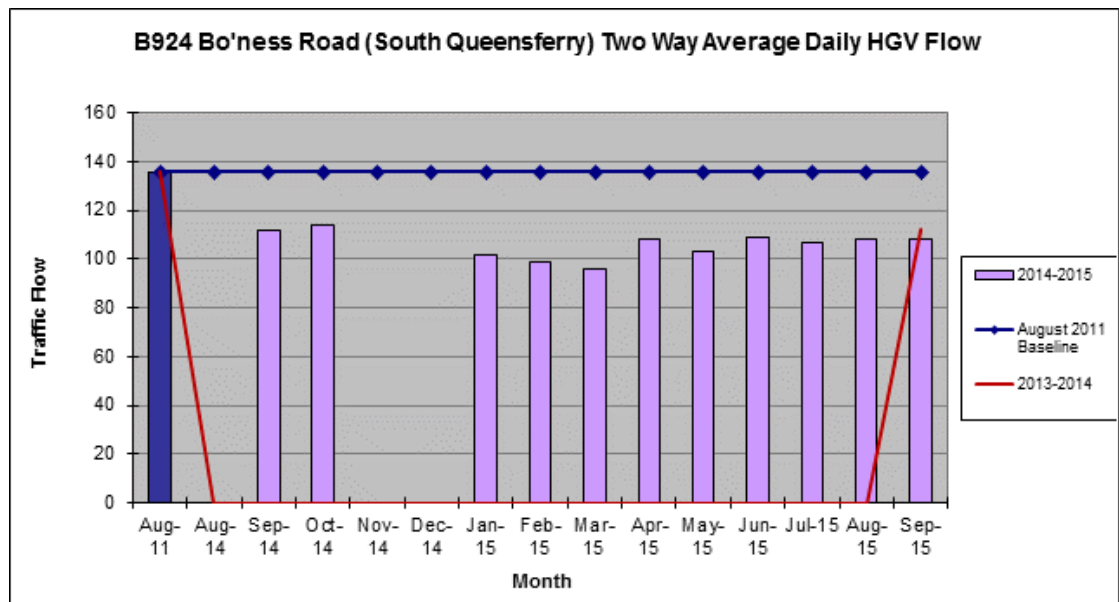
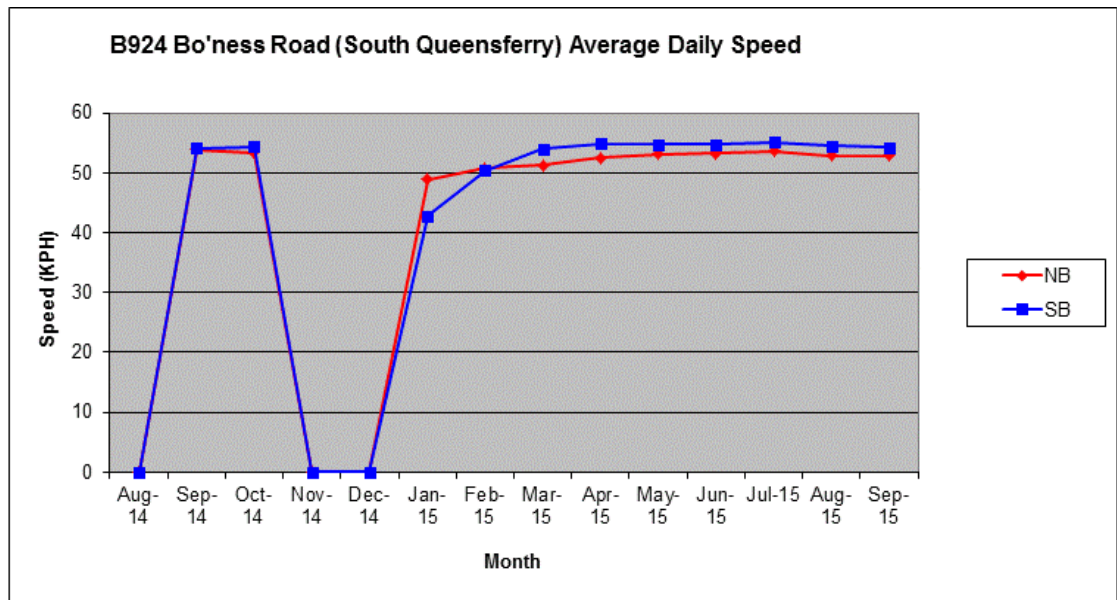


Figure 5-13 Monthly Two Way HGV Traffic Flows on the B924 Bo'ness Road (South Queensferry)

### 5.2.4 Monthly Average All Vehicles Traffic Speeds

**Table 5-8 Site: JTC00575 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00575	B924 Bo'ness Road (South Queensferry)	Aug-14	No Data	No Data
		Sep-14	54	54
		Oct-14	53	54
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	49	43
		Feb-15	51	50
		Mar-15	51	54
		Apr-15	52	55
		May-15	53	55
		Jun-15	53	55
		Jul-15	54	55
		Aug-15	53	54
		Sep-15	53	54



**Figure 5-14 Average Monthly Traffic Speeds (KPH) on the B924 Bo'ness Road (South Queensferry)**

### 5.3 Traffic Counter JTC00577 - B800 Queensferry Rd (North of Kirkliston)

#### 5.3.1 Monthly Average Traffic Flows

Table 5-9 Site: JTC00577 Annual Traffic Flows - August 2014 to September 2015

Counter	Location	Date	EB	WB	Two Way
JTC00577	B800 Queensferry Rd (North of Kirkliston)	Aug-11	3,189	3,494	6,683
		Aug-14	3,564	No Data	No Data
		Sep-14	3,437	No Data	No Data
		Oct-14	2,874	No Data	No Data
		Nov-14	2,861	No Data	No Data
		Dec-14	2,647	No Data	No Data
		Jan-15	2,595	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	No Data	No Data	No Data
		Apr-15	No Data	No Data	No Data
		May-15	No Data	No Data	No Data
		Jun-15	No Data	No Data	No Data
		Jul-15	No Data	No Data	No Data
		Aug-15	No Data	No Data	No Data
		Sep-15	3,354	3,492	6,846
	<b>Annual Average</b>	<b>2,996</b>	<b>No Data</b>	<b>No Data</b>	

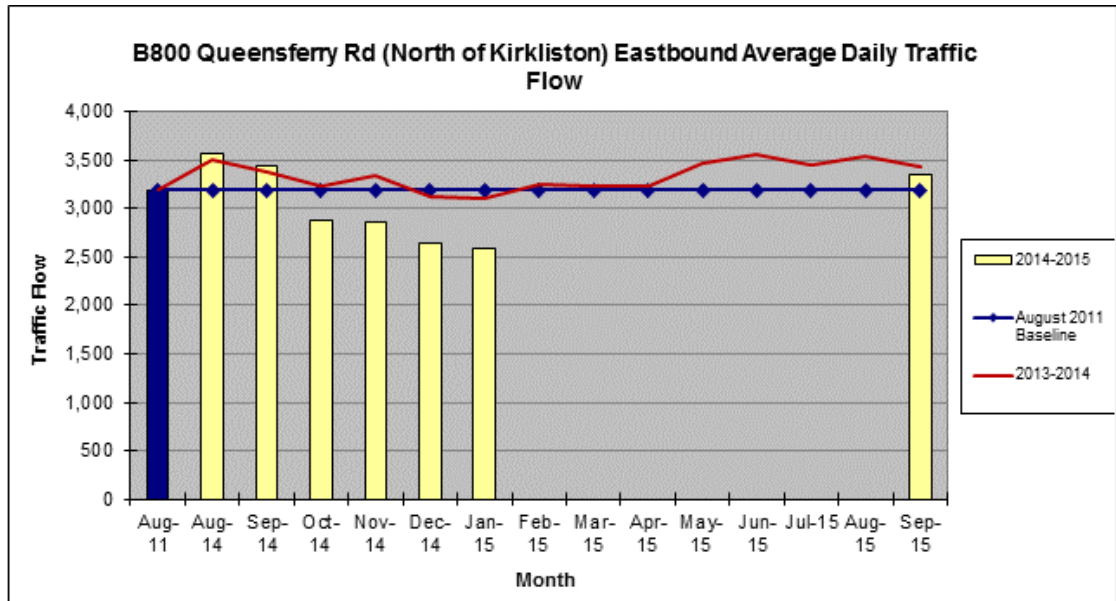


Figure 5-15 Monthly Eastbound AADTs on the B800 Queensferry Rd (North of Kirkliston)

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

Table 5-10 Site: JTC00577 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00577	B800 Queensferry Rd (North of Kirkliston)	Aug-11	414*	988*
		Aug-14	501*	1,030*
		Sep-14	538*	978*
		Oct-14	475*	697*
		Nov-14	420*	654*
		Dec-14	359*	594*
		Jan-15	371*	628*
		Feb-15	No Data*	No Data*
		Mar-15	No Data*	No Data*
		Apr-15	No Data*	No Data*
		May-15	No Data*	No Data*
		Jun-15	No Data*	No Data*
		Jul-15	No Data*	No Data*
		Aug-15	No Data*	No Data*
		Sep-15	546*	890*
		<b>Annual Average</b>	<b>444*</b>	<b>764*</b>

(\*) Eastbound flow only

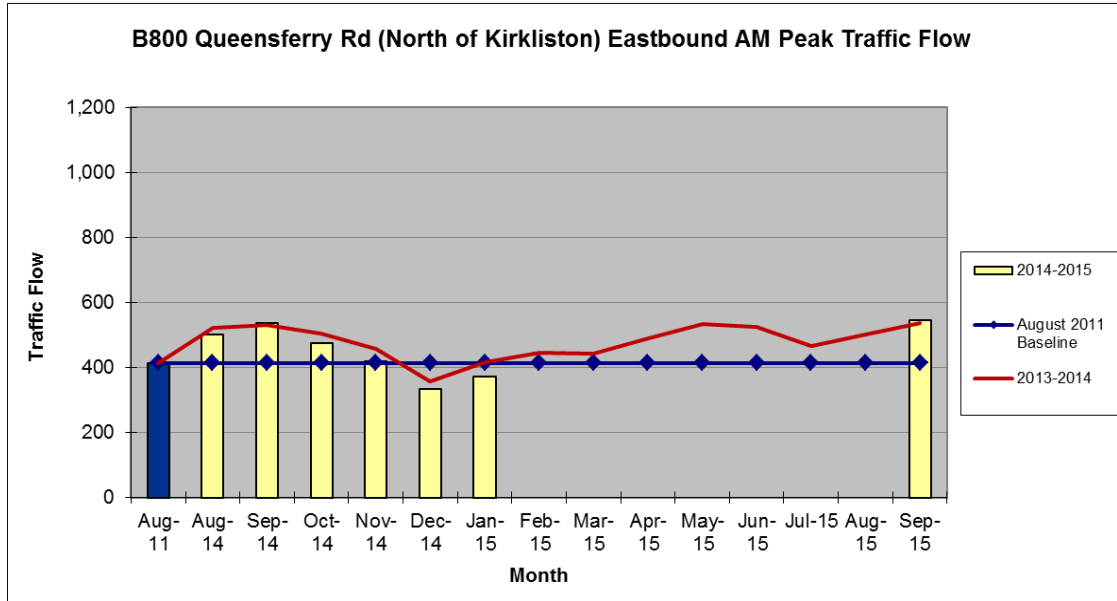


Figure 5-16 Monthly Eastbound AM Peak Flows on the B800 Queensferry Rd (North of Kirkliston)

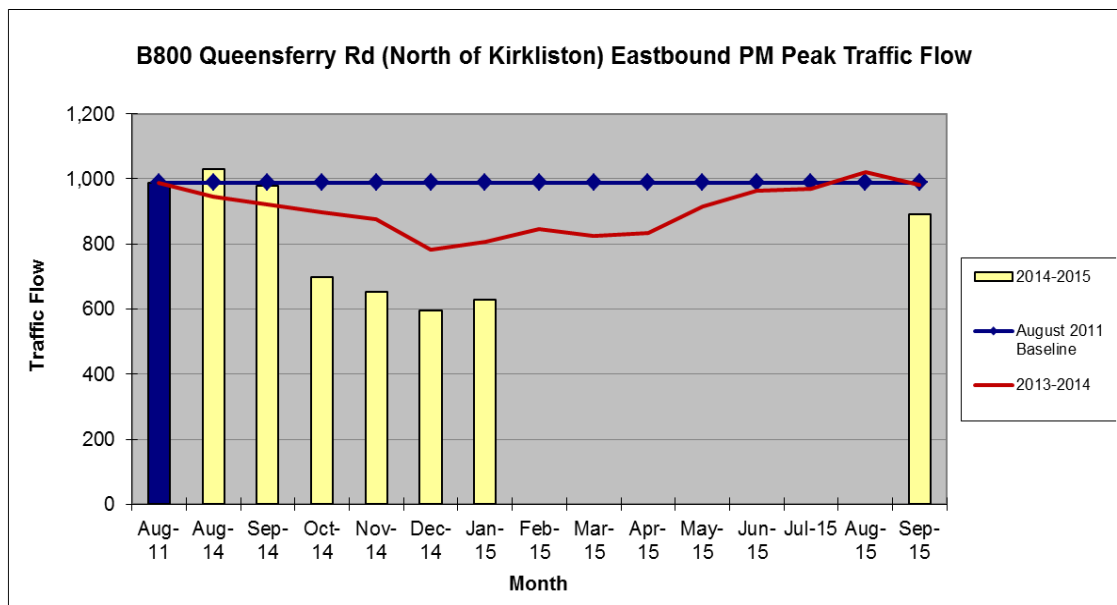


Figure 5-17 Monthly Eastbound PM Peak Flows on the B800 Queensferry Rd (North of Kirkliston)

### 5.3.3 Monthly Average HGV Flows

Table 5-11 Site: JTC00577 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	EB
JTC00577	B800 Queensferry Rd (North of Kirkliston)	Aug-11	31*
		Aug-14	36*
		Sep-14	37*
		Oct-14	37*
		Nov-14	36*
		Dec-14	31*
		Jan-15	29*
		Feb-15	No Data*
		Mar-15	No Data*
		Apr-15	No Data*
		May-15	No Data*
		Jun-15	No Data*
		Jul-15	No Data*
		Aug-15	No Data*
		Sep-15	No Data*
		<b>Annual Average</b>	

(\*) Eastbound flow only

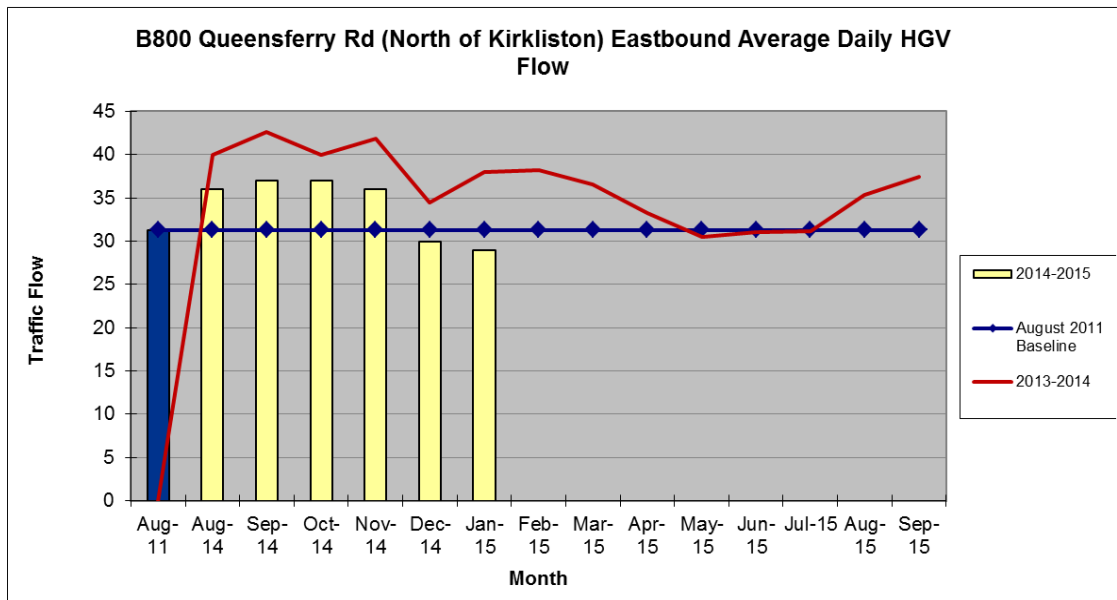
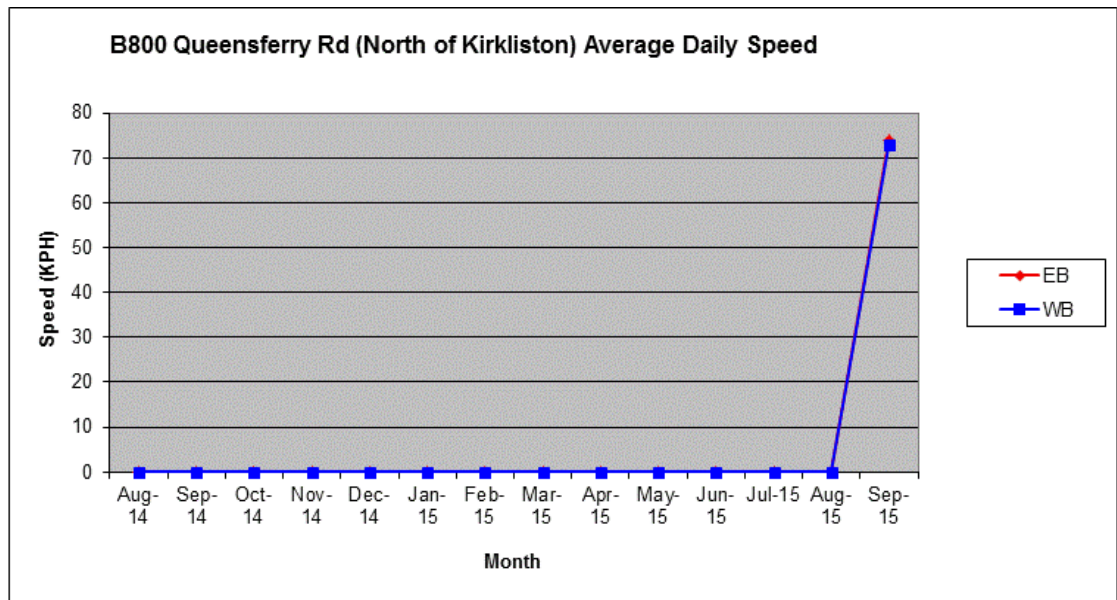


Figure 5-18 Monthly Eastbound HGV Traffic Flows on the B800 Queensferry Rd (North of Kirkliston)

### 5.3.4 Monthly Average All Vehicles Traffic Speeds

**Table 5-12 Site: JTC00577 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	EB	WB
JTC00577	B800 Queensferry Rd (North of Kirkliston)	Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	No Data	No Data
		Jun-15	No Data	No Data
		Jul-15	No Data	No Data
		Aug-15	No Data	No Data
		Sep-15	74	73



**Figure 5-19 Average Monthly Traffic Speeds (KPH) on the B800 Queensferry Rd (North of Kirkliston)**



## 5.4 Traffic Counter JTC00581 - B981 Chapel Place (Inverkeithing)

### 5.4.1 Monthly Average Traffic Flows

*Table 5-13 Site: JTC00581 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	5,249	5,411	10,661
		Aug-14	5,321	6,049	11,370
		Sep-14	5,209	5,905	11,114
		Oct-14	4,928	5,601	10,529
		Nov-14	5,115	5,820	10,935
		Dec-14	4,863	5,452	10,314
		Jan-15	4,594	5,162	9,755
		Feb-15	5,000	5,604	10,604
		Mar-15	5,184	5,821	11,005
		Apr-15	5,038	5,652	10,690
		May-15	5,101	5,772	10,873
		Jun-15	5,203	5,875	11,079
		Jul-15	5,036	5,638	10,674
		Aug-15	5,857	6,194	12,051
		Sep-15	5,599	6,056	11,655
	<b>Annual Average</b>	<b>5,049</b>	<b>5,696</b>	<b>10,745</b>	

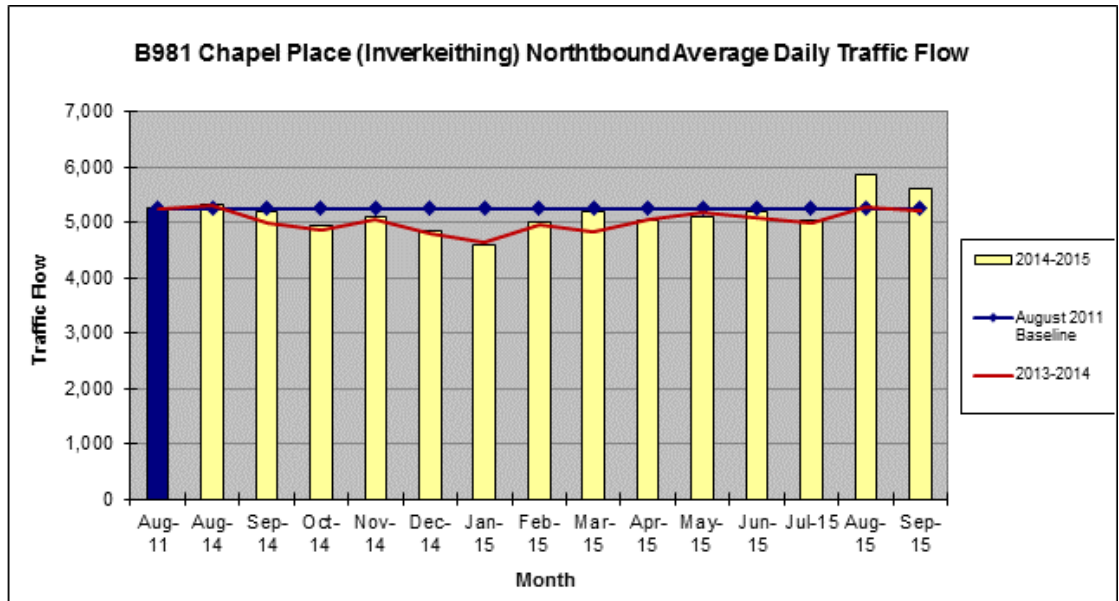


Figure 5-20 Monthly Northbound AADTs on the B981 Chapel Place (Inverkeithing)

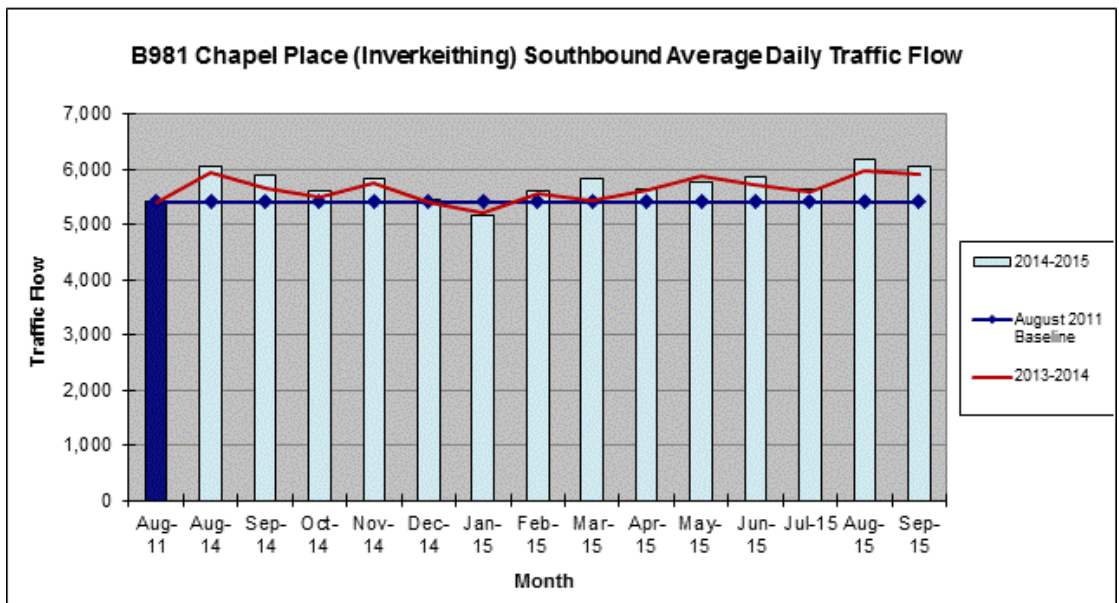


Figure 5-21 Monthly Southbound AADTs on the B981 Chapel Place (Inverkeithing)

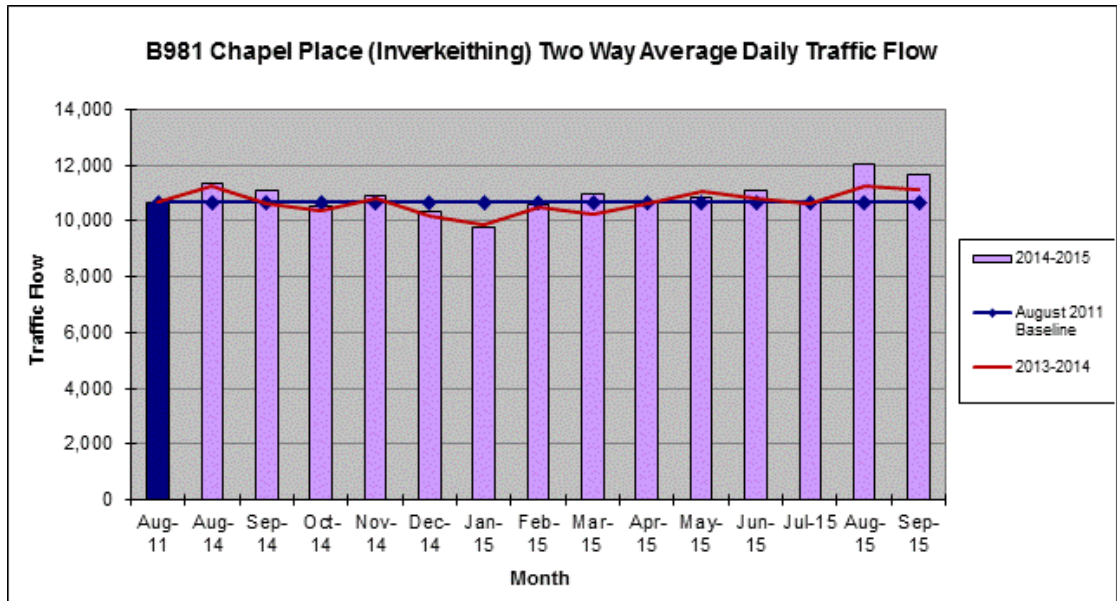


Figure 5-22 Monthly Two Way Daily Traffic Flows on the B981 Chapel Place (Inverkeithing)

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

Table 5-14 Site: JTC00581 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	1,798	2,528
		Aug-14	1,875	2,737
		Sep-14	2,028	2,715
		Oct-14	1,850	2,541
		Nov-14	1,756	2,558
		Dec-14	1,402	2,339
		Jan-15	1,529	2,322
		Feb-15	1,676	2,487
		Mar-15	1,825	2,587
		Apr-15	1,796	2,576
		May-15	1,872	2,595
		Jun-15	1,974	2,702
		Jul-15	1,739	2,555
		Aug-15	1,924	2,865
Sep-15	2,129	2,920		
	<b>Annual Average</b>	<b>1,777</b>	<b>2,559</b>	

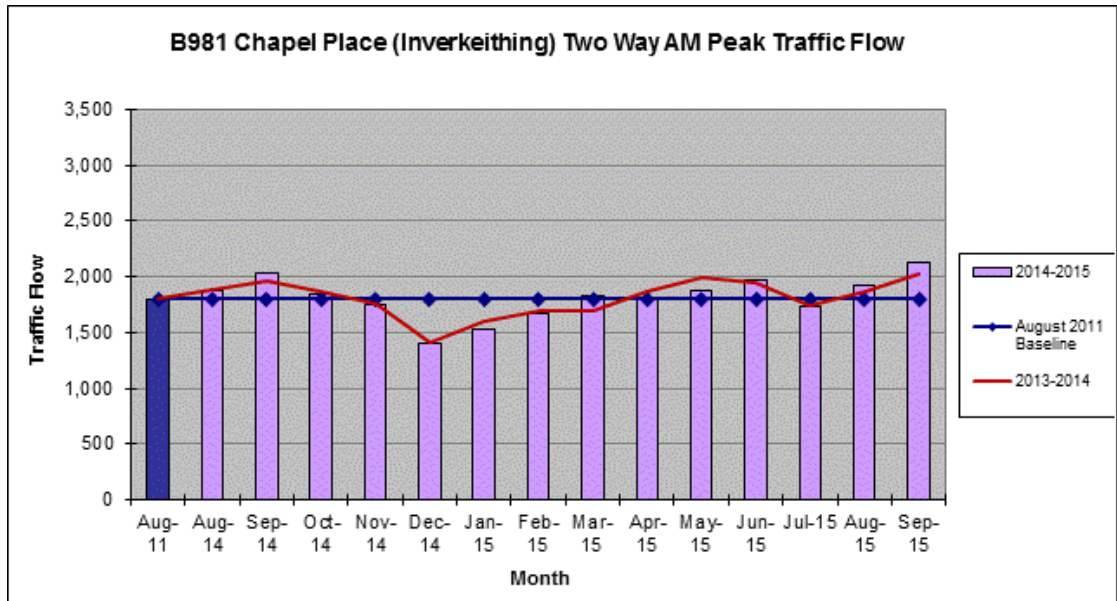


Figure 5-23 Monthly Two Way AM Peak Flows on the B981 Chapel Place (Inverkeithing)

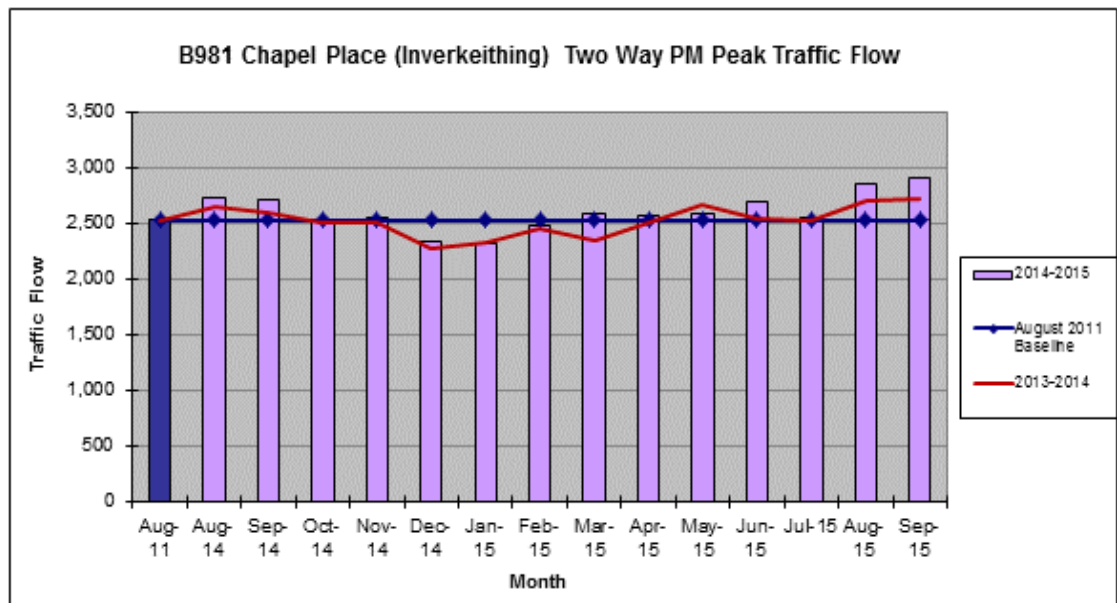


Figure 5-24 Monthly Two Way PM Peak Flows on the B981 Chapel Place (Inverkeithing)

### 5.4.3 Monthly Average HGV Flows

Table 5-15 Site: JTC00581 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-11	149
		Aug-14	208
		Sep-14	201
		Oct-14	187
		Nov-14	195
		Dec-14	169
		Jan-15	170
		Feb-15	180
		Mar-15	200
		Apr-15	170
		May-15	177
		Jun-15	179
		Jul-15	176
		Aug-15	210
		Sep-15	189
		<b>Annual Average</b>	<b>184</b>

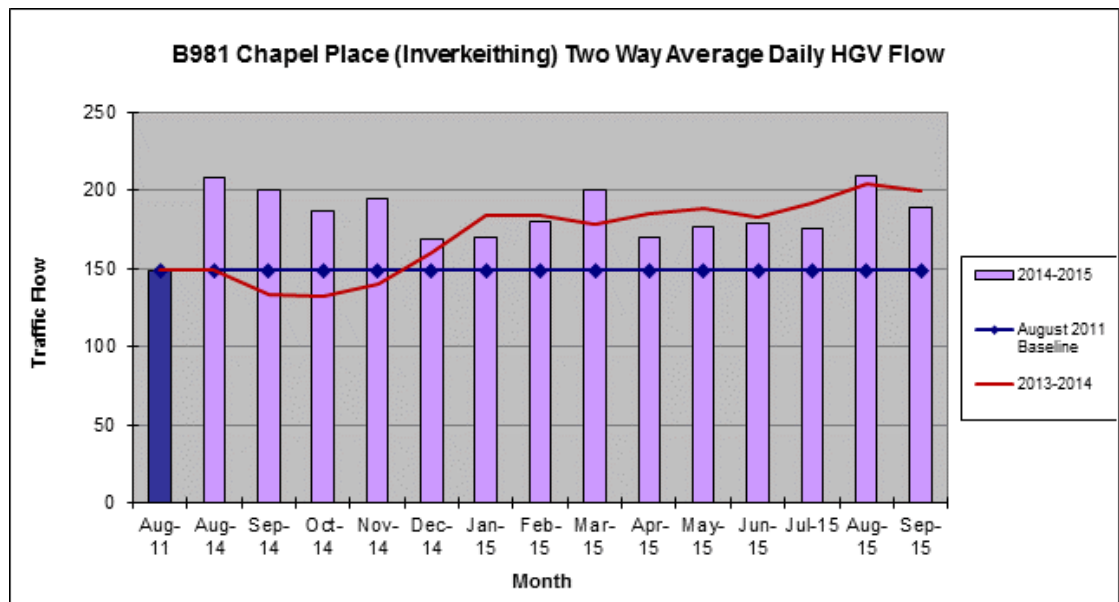


Figure 5-25 Monthly Two Way HGV Traffic Flows on the B981 Chapel Place (Inverkeithing)

5.4.4 Monthly Average All Vehicles Traffic Speeds

Table 5-16 Site: JTC00581 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	NB	SB
JTC00581	B981 Chapel Place (Inverkeithing)	Aug-14	44	44
		Sep-14	44	44
		Oct-14	44	44
		Nov-14	44	44
		Dec-14	44	44
		Jan-15	44	44
		Feb-15	44	44
		Mar-15	44	44
		Apr-15	45	44
		May-15	45	44
		Jun-15	45	44
		Jul-15	44	45
		Aug-15	43	44
		Sep-15	44	44

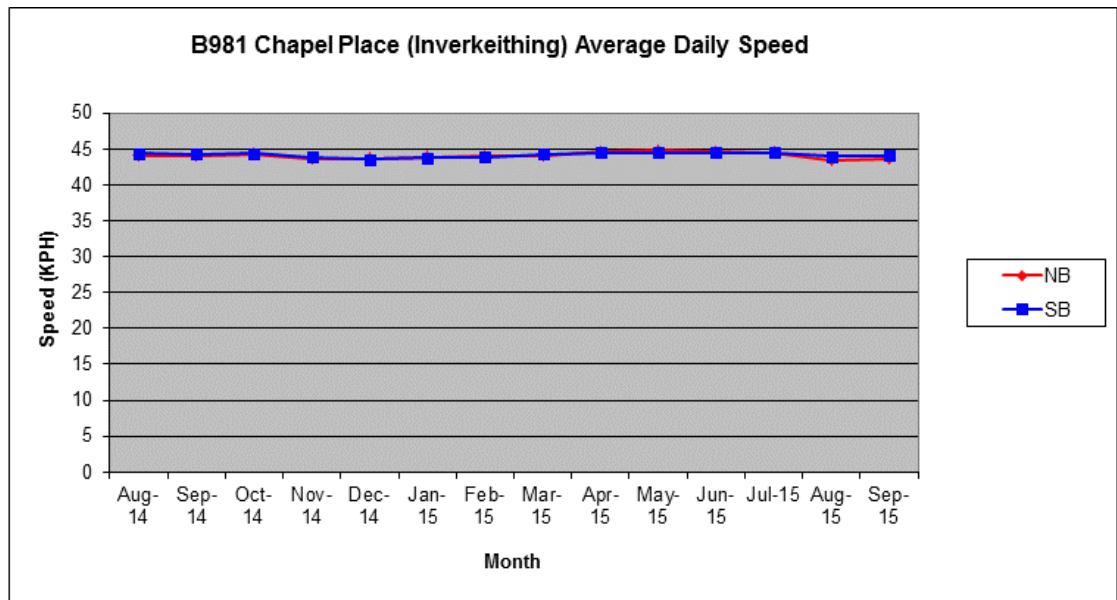


Figure 5-26 Average Monthly Traffic Speeds (KPH) on the B981 Chapel Place (Inverkeithing)

## 5.5 Traffic Counter JTC00582 - B916 Aberdour Road (Dunfermline)

### 5.5.1 Monthly Average Traffic Flows

*Table 5-17 Site: JTC00582 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	EB	WB	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	3,446	3,904	7,349
		Aug-14	4,489	4,564	9,053
		Sep-14	4,548	4,744	9,292
		Oct-14	4,355	4,521	8,875
		Nov-14	4,572	4,770	9,342
		Dec-14	4,255	4,401	8,656
		Jan-15	4,048	4,257	8,305
		Feb-15	4,373	4,641	9,014
		Mar-15	4,519	4,797	9,316
		Apr-15	4,518	4,718	9,236
		May-15	4,569	4,782	9,351
		Jun-15	4,632	4,834	9,467
		Jul-15	4,244	4,380	8,624
		Aug-15	4,514	4,696	9,210
		Sep-15	4,490	4,712	9,202
				<b>Annual Average</b>	<b>4,427</b>



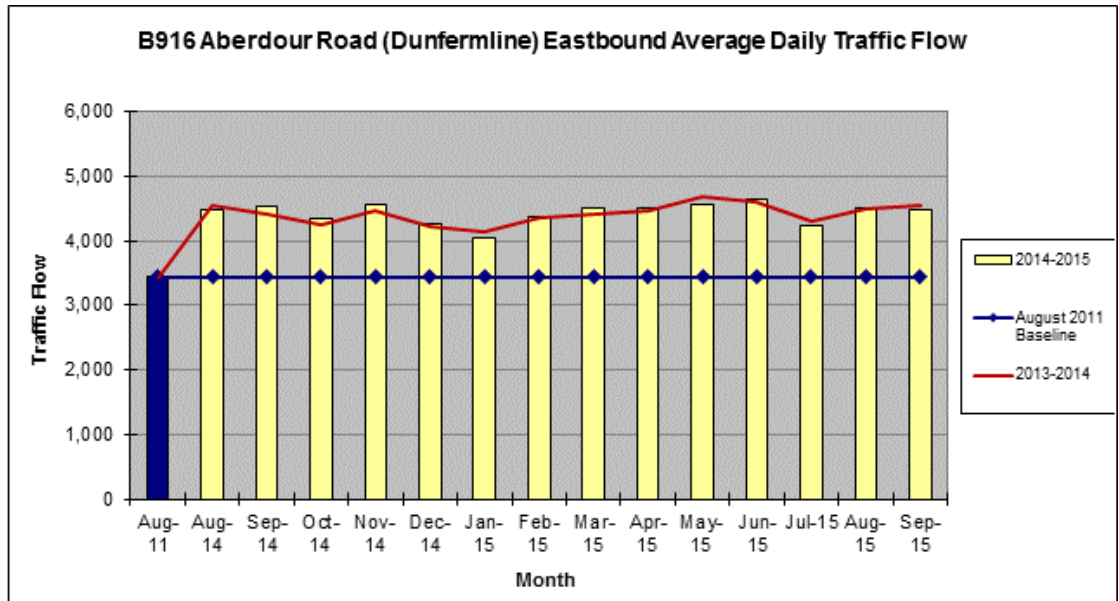


Figure 5-27 Monthly Eastbound AADTs on the B916 Aberdour Road (Dunfermline)

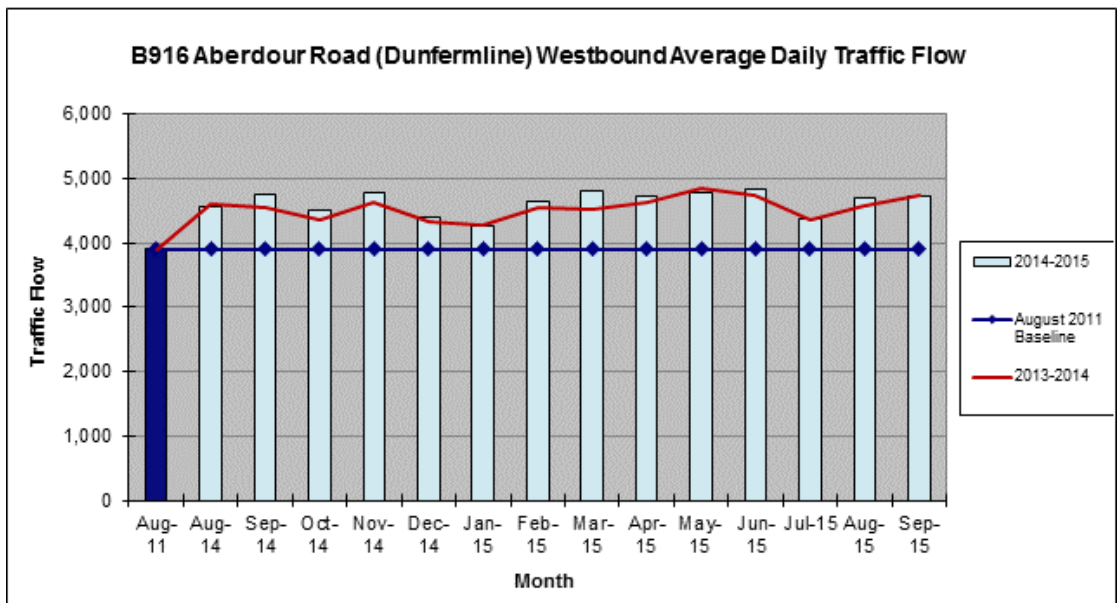


Figure 5-28 Monthly Westbound AADTs on the B916 Aberdour Road (Dunfermline)



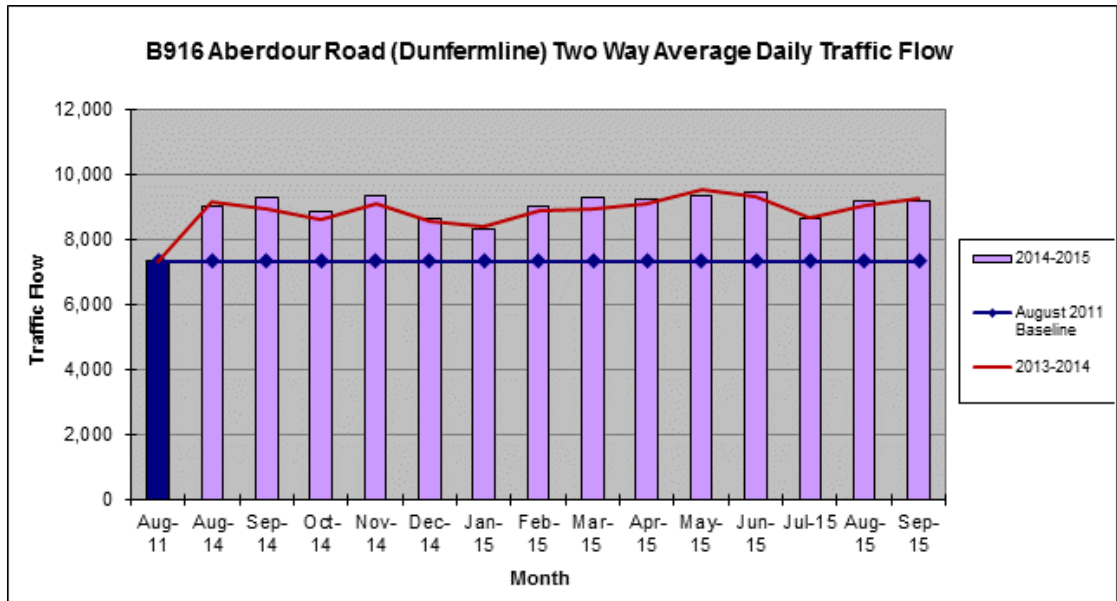


Figure 5-29 Monthly Two Way Daily Traffic Flows on the B916 Aberdour Road (Dunfermline)

### 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 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	1,162	1,794
		Aug-14	1,471	2,210
		Sep-14	1,664	2,334
		Oct-14	1,530	2,200
		Nov-14	1,446	2,254
		Dec-14	1,177	2,039
		Jan-15	1,262	2,065
		Feb-15	1,384	2,211
		Mar-15	1,462	2,276
		Apr-15	1,543	2,243
		May-15	1,596	2,235
		Jun-15	1,645	2,301
		Jul-15	1,389	2,096
		Aug-15	1,485	2,236
Sep-15	1,601	2,275		
	<b>Annual Average</b>	<b>1,464</b>	<b>2,205</b>	

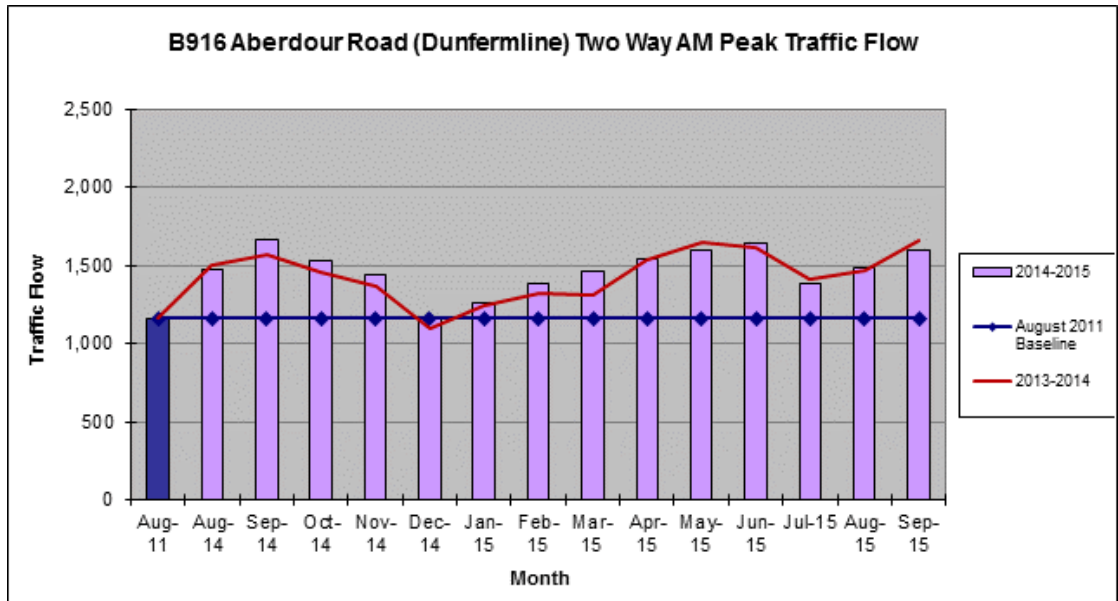


Figure 5-30 Monthly Two Way AM Peak Flows on the B916 Aberdour Road (Dunfermline)

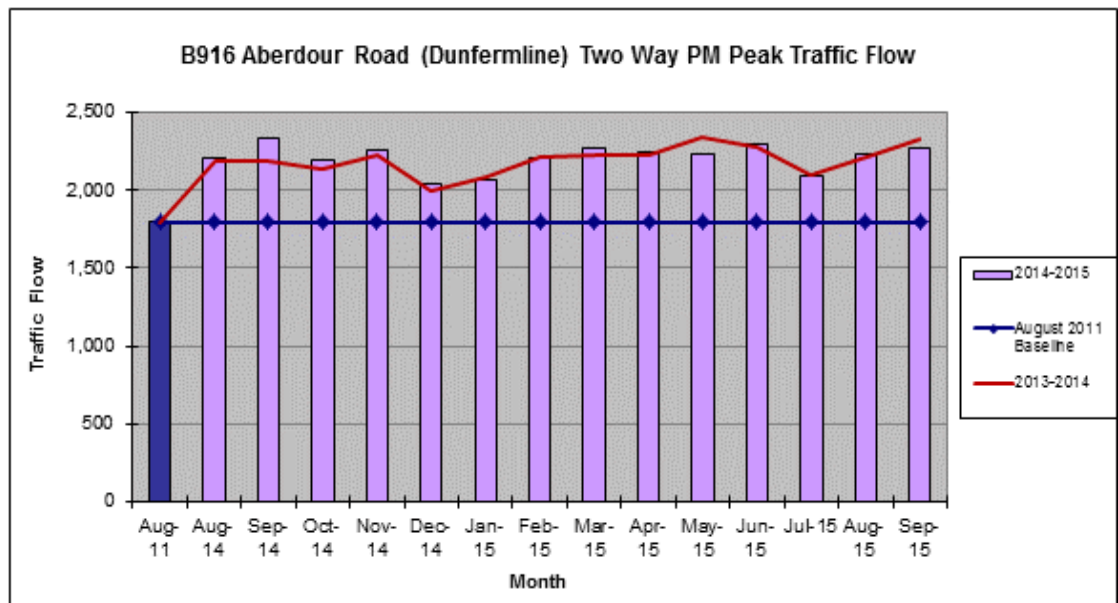


Figure 5-31 Monthly Two Way PM Peak Flows on the B916 Aberdour Road (Dunfermline)

### 5.5.3 Monthly Average HGV Flows

Table 5-19 Site: JTC00582 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-11	101
		Aug-14	48
		Sep-14	39
		Oct-14	36
		Nov-14	41
		Dec-14	40
		Jan-15	40
		Feb-15	39
		Mar-15	47
		Apr-15	44
		May-15	37
		Jun-15	37
		Jul-15	34
		Aug-15	40
		Sep-15	43
		<b>Annual Average</b>	<b>40</b>

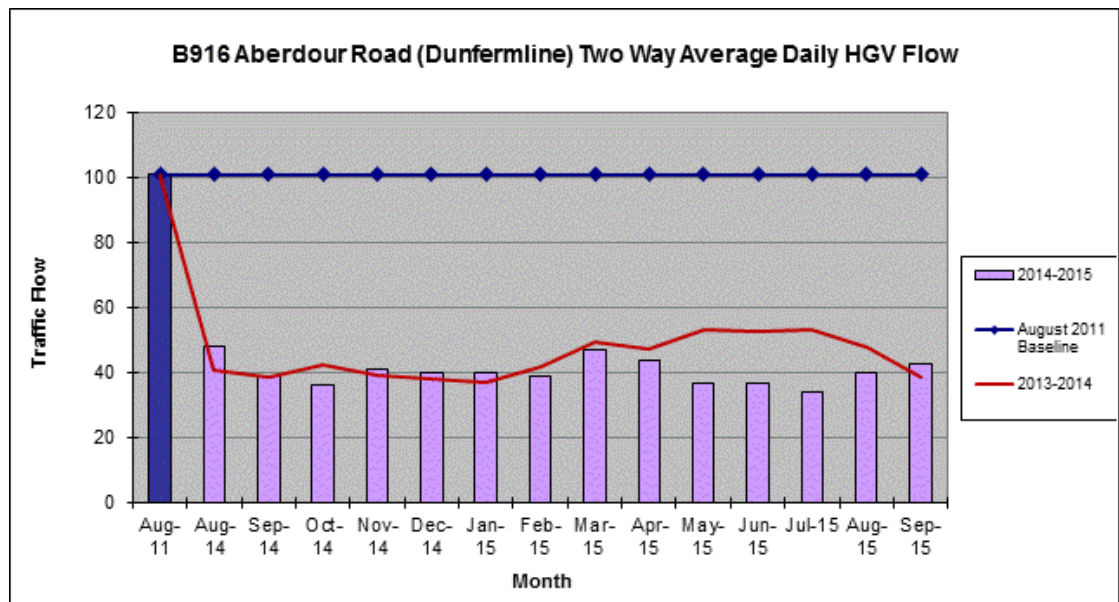


Figure 5-32 Monthly Two Way HGV Traffic Flows on the B916 Aberdour Road (Dunfermline)

5.5.4 Monthly Average All Vehicles Traffic Speeds

Table 5-20 Site: JTC00582 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	EB	WB
JTC00582	B916 Aberdour Road (Dunfermline)	Aug-14	61	58
		Sep-14	60	58
		Oct-14	60	57
		Nov-14	58	56
		Dec-14	58	55
		Jan-15	58	55
		Feb-15	59	55
		Mar-15	59	56
		Apr-15	60	56
		May-15	60	56
		Jun-15	60	57
		Jul-15	60	57
		Aug-15	59	56
		Sep-15	59	55

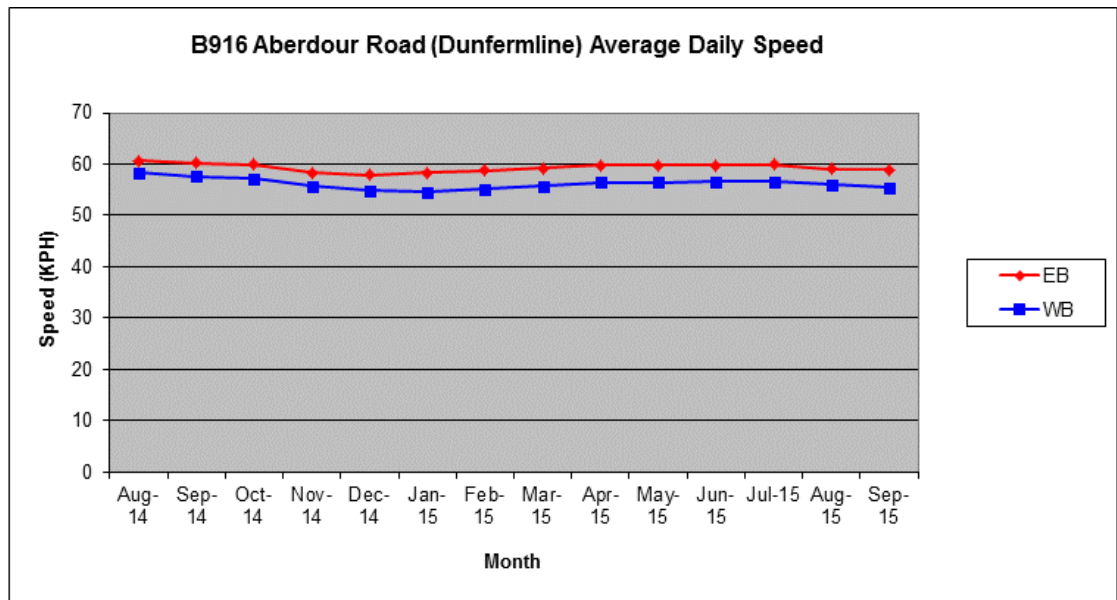


Figure 5-33 Average Monthly Traffic Speeds (KPH) on the B916 Aberdour Road (Dunfermline)

## 5.6 Traffic Counter JTC00583 - B981 Inverkeithing Road (Crossgates)

### 5.6.1 Monthly Average Traffic Flows

*Table 5-21 Site: JTC00583 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	2,339	2,629	4,968
		Aug-14	2,801	3,181	5,983
		Sep-14	2,879	3,284	6,162
		Oct-14	2,687	3,171	5,858
		Nov-14	2,877	3,400	6,277
		Dec-14	2,460	2,863	5,323
		Jan-15	2,350	2,798	5,148
		Feb-15	2,720	3,241	5,962
		Mar-15	2,866	3,470	6,336
		Apr-15	2,739	3,180	5,919
		May-15	2,805	3,266	6,071
		Jun-15	2,896	3,365	6,261
		Jul-15	2,694	3,080	5,774
		Aug-15	2,821	3,299	6,120
		Sep-15	2,936	3,406	6,342
		<b>Annual Average</b>	<b>2,731</b>	<b>3,192</b>	<b>5,923</b>

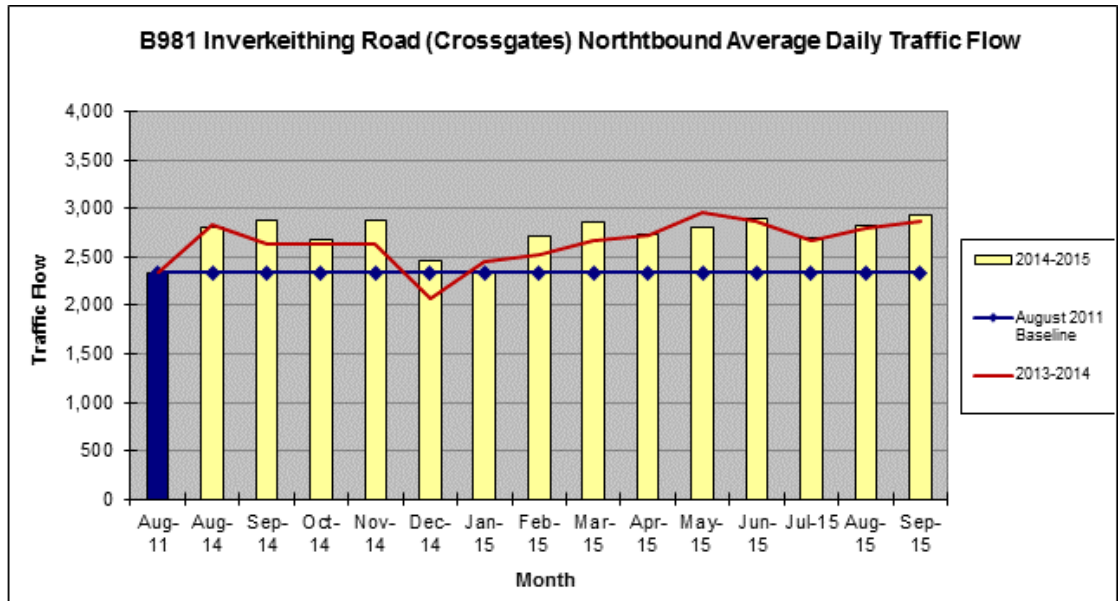


Figure 5-34 Monthly Northbound AADTs on the B981 Inverkeithing Road (Crossgates)

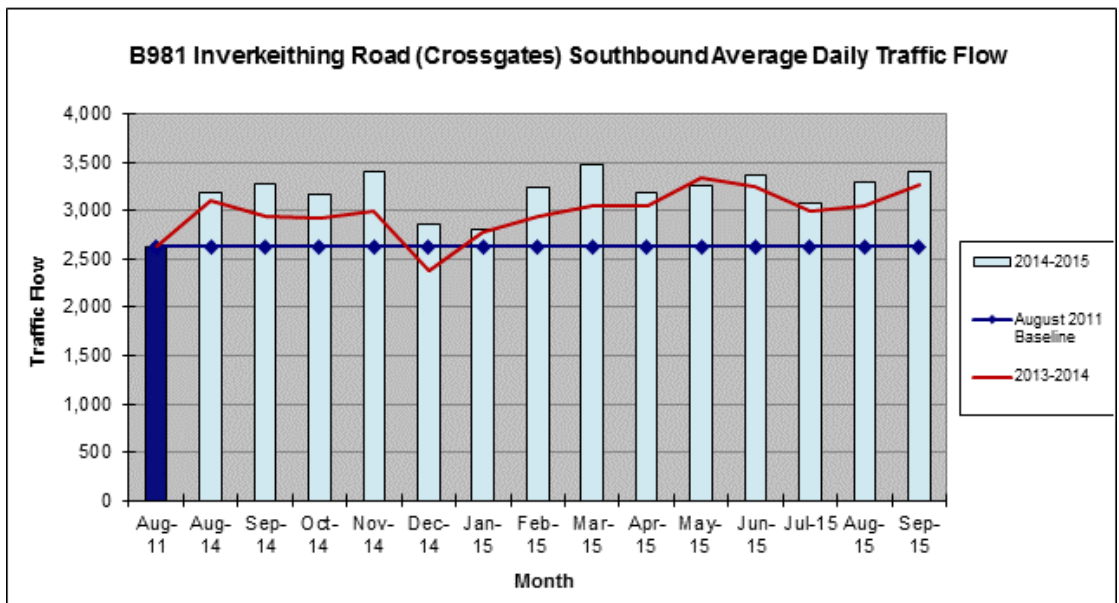


Figure 5-35 Monthly Southbound AADTs on the B981 Inverkeithing Road (Crossgates)

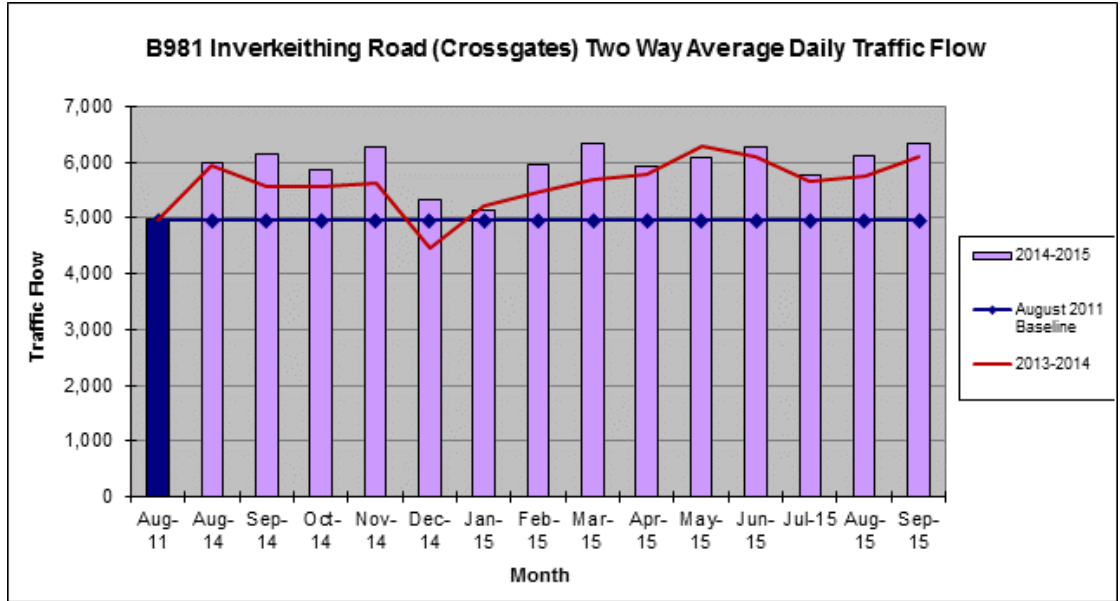


Figure 5-36 Monthly Two Way Daily Traffic Flows on the B981 Inverkeithing Road (Crossgates)

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

Table 5-22 Site: JTC00583 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	929	1,223
		Aug-14	1,109	1,465
		Sep-14	1,249	1,542
		Oct-14	1,173	1,476
		Nov-14	1,257	1,606
		Dec-14	1,010	1,275
		Jan-15	1,114	1,271
		Feb-15	1,297	1,490
		Mar-15	1,339	1,587
		Apr-15	1,107	1,486
		May-15	1,182	1,462
		Jun-15	1,240	1,526
		Jul-15	1,049	1,403
		Aug-15	1,095	1,500
Sep-15	1,299	1,612		
	<b>Annual Average</b>	<b>1,177</b>	<b>1,466</b>	

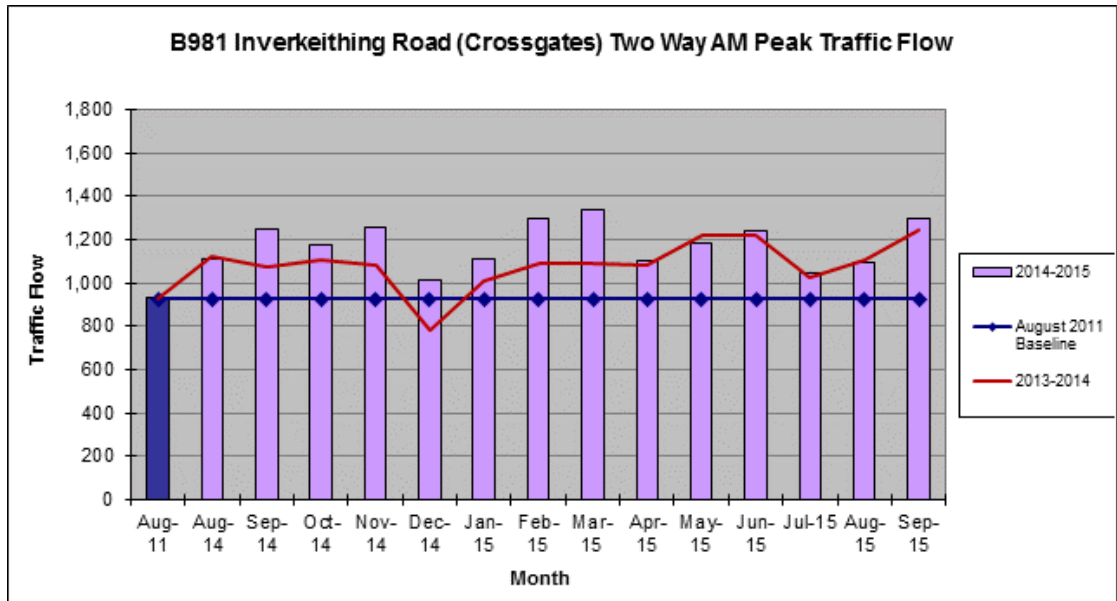


Figure 5-37 Monthly Two Way AM Peak Flows on the B981 Inverkeithing Road (Crossgates)

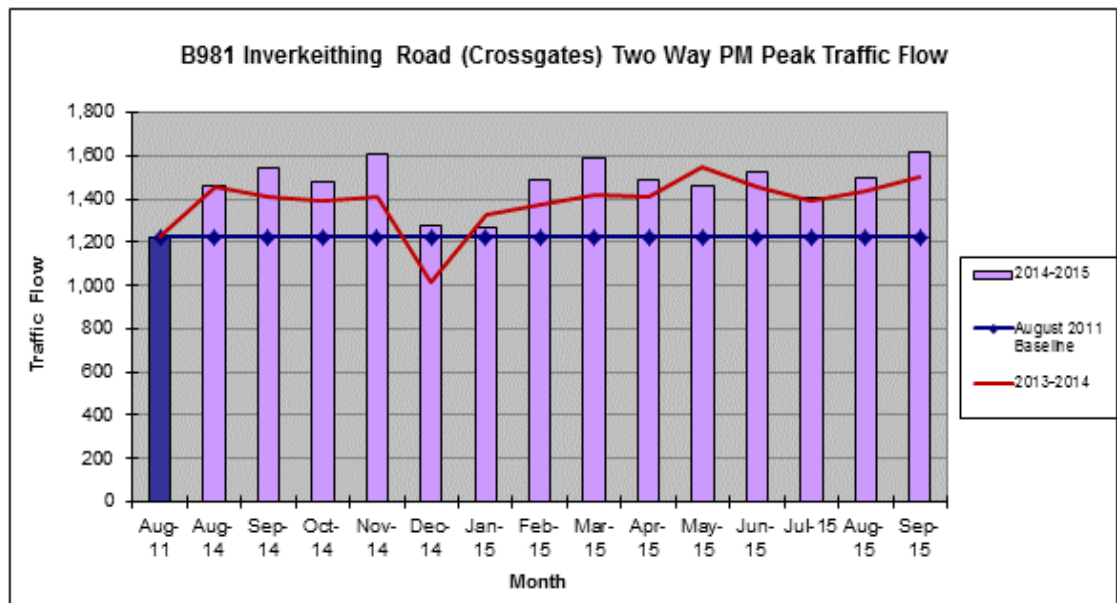


Figure 5-38 Monthly Two Way PM Peak Flows on the B981 Inverkeithing Road (Crossgates)



### 5.6.3 Monthly Average HGV Flows

Table 5-23 Site: JTC00583 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-11	14
		Aug-14	19
		Sep-14	23
		Oct-14	21
		Nov-14	27
		Dec-14	14
		Jan-15	16
		Feb-15	21
		Mar-15	23
		Apr-15	21
		May-15	24
		Jun-15	21
		Jul-15	22
		Aug-15	24
		Sep-15	32
		<b>Annual Average</b>	<b>21</b>

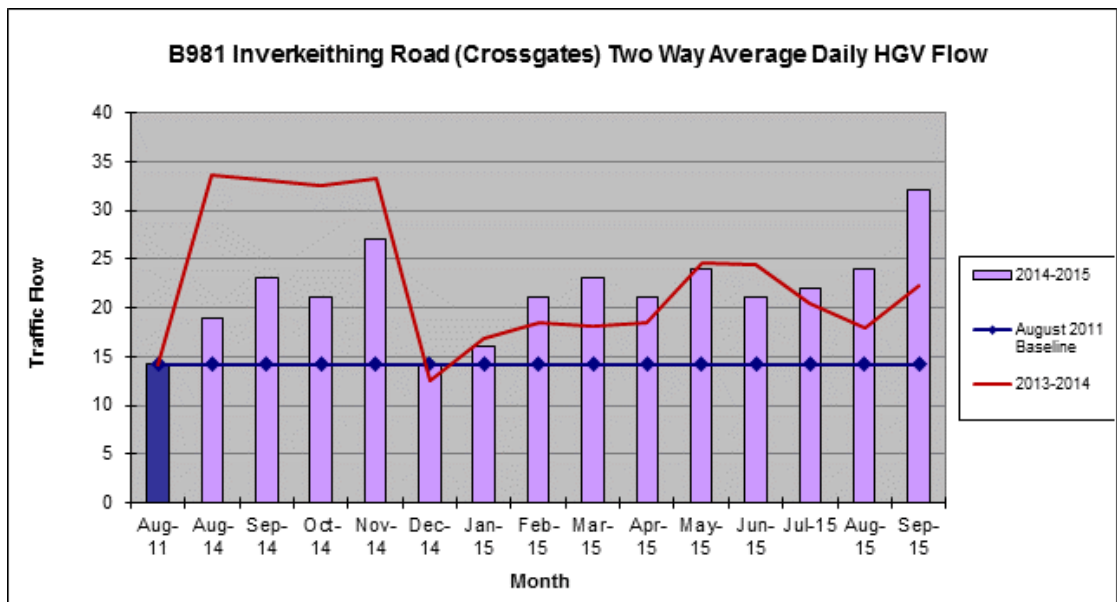


Figure 5-39 Monthly Two Way HGV Traffic Flows on the B981 Inverkeithing Road (Crossgates)

5.6.4 Monthly Average All Vehicles Traffic Speeds

Table 5-24 Site: JTC00583 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	NB	SB
JTC00583	B981 Inverkeithing Road (Crossgates)	Aug-14	61	68
		Sep-14	61	68
		Oct-14	60	68
		Nov-14	60	67
		Dec-14	59	66
		Jan-15	59	66
		Feb-15	60	67
		Mar-15	61	67
		Apr-15	62	68
		May-15	61	68
		Jun-15	61	68
		Jul-15	61	68
		Aug-15	59	67
		Sep-15	58	67

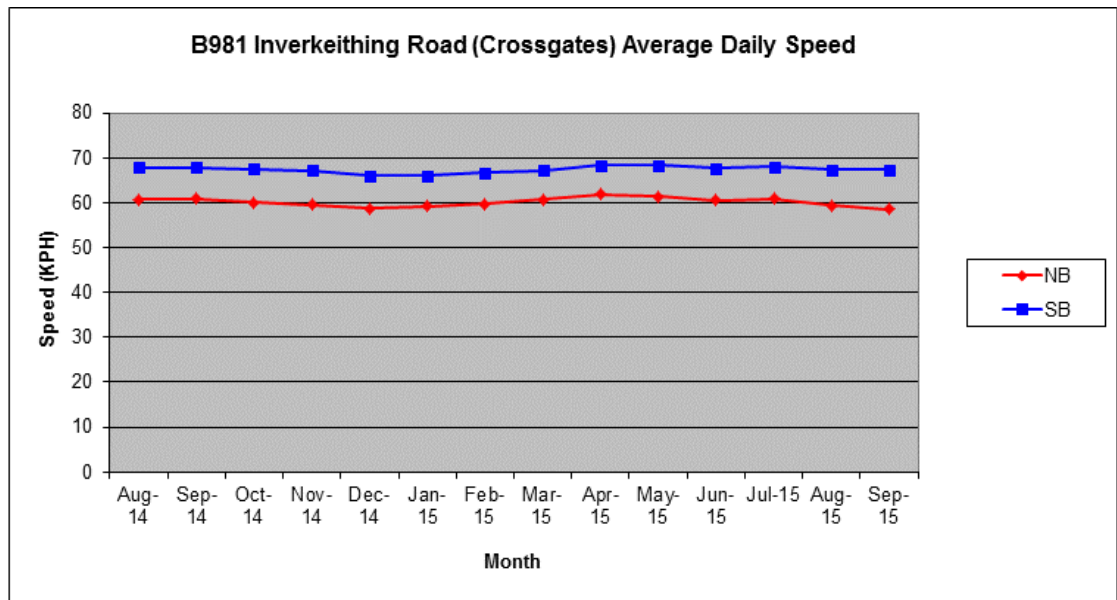


Figure 5-40 Average Monthly Traffic Speeds (KPH) on the B981 Inverkeithing Road (Crossgates)

## 5.7 Traffic Counter JTC00586 - B980 Castlandhill Road (North of A90 Slip)

### 5.7.1 Monthly Average Traffic Flows

*Table 5-25 Site: JTC00586 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00586	B980 Castlandhill Road (North of A90 Slip)	Aug-11	1,590	1,612	3,203
		Aug-14	1,811	1,931	3,742
		Sep-14	1,635	1,905	3,540
		Oct-14	1,717	2,036	3,753
		Nov-14	1,533	1,828	3,360
		Dec-14	1,483	1,780	3,262
		Jan-15	No Data	No Data	No Data
		Feb-15	1,486	1,804	3,290
		Mar-15	1,558	1,924	3,482
		Apr-15	1,551	1,789	3,340
		May-15	1,558	1,940	3,497
		Jun-15	1,569	1,942	3,511
		Jul-15	1,886	2,043	3,929
		Aug-15	1,878	2,152	4,030
Sep-15	2,046	2,096	4,141		
		<b>Annual Average</b>	<b>1,617</b>	<b>1,902</b>	<b>3,519</b>

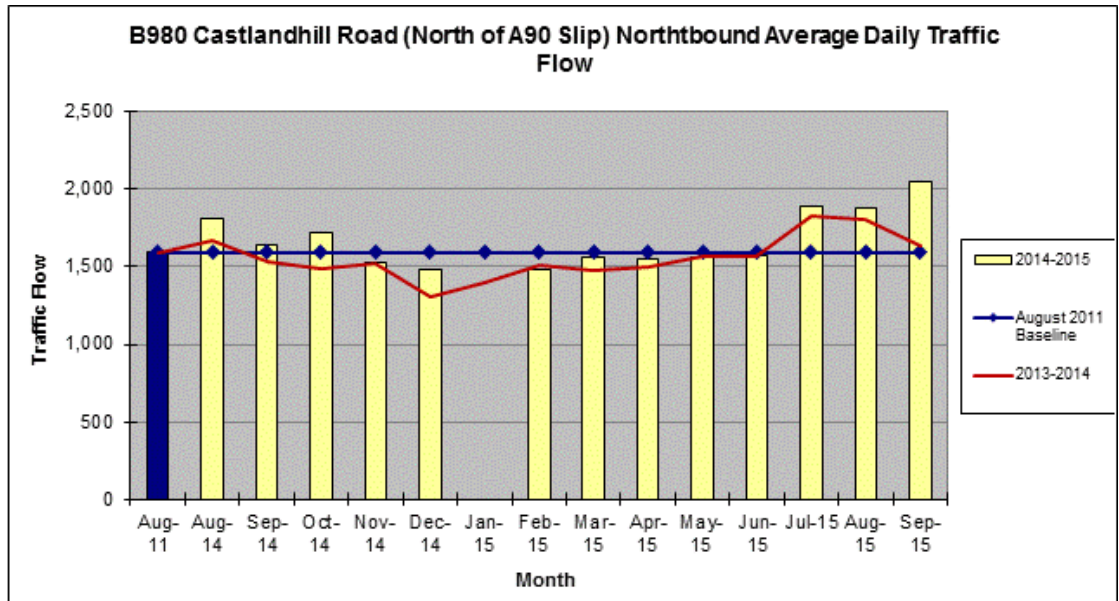


Figure 5-41 Monthly Northbound AADTs on the B980 Castlandhill Road (North of A90 Slip)

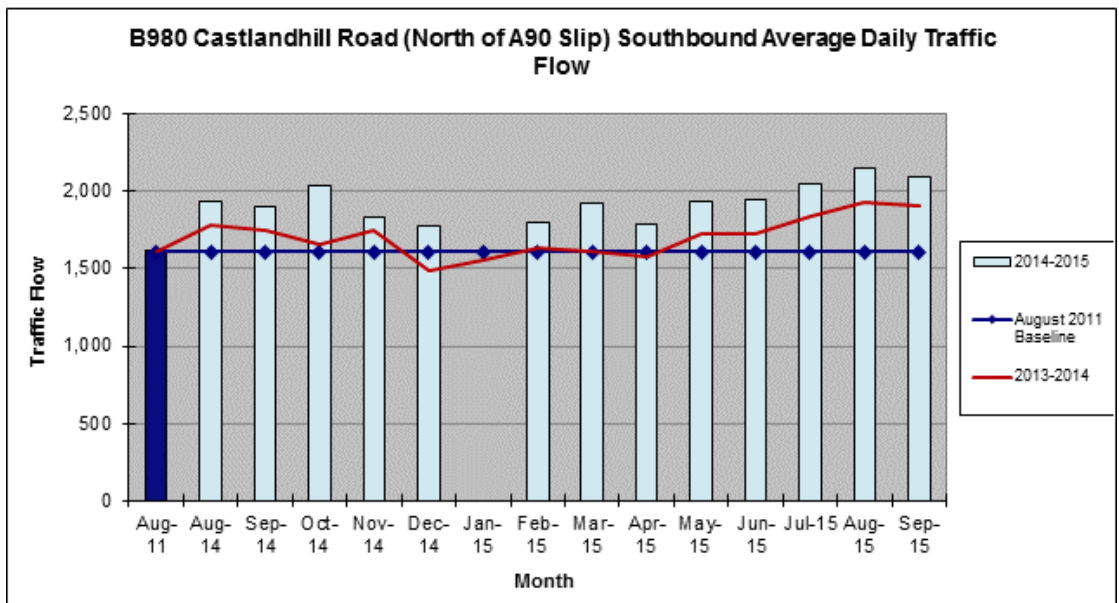


Figure 5-42 Monthly Southbound AADTs on the B980 Castlandhill Road (North of A90 Slip)

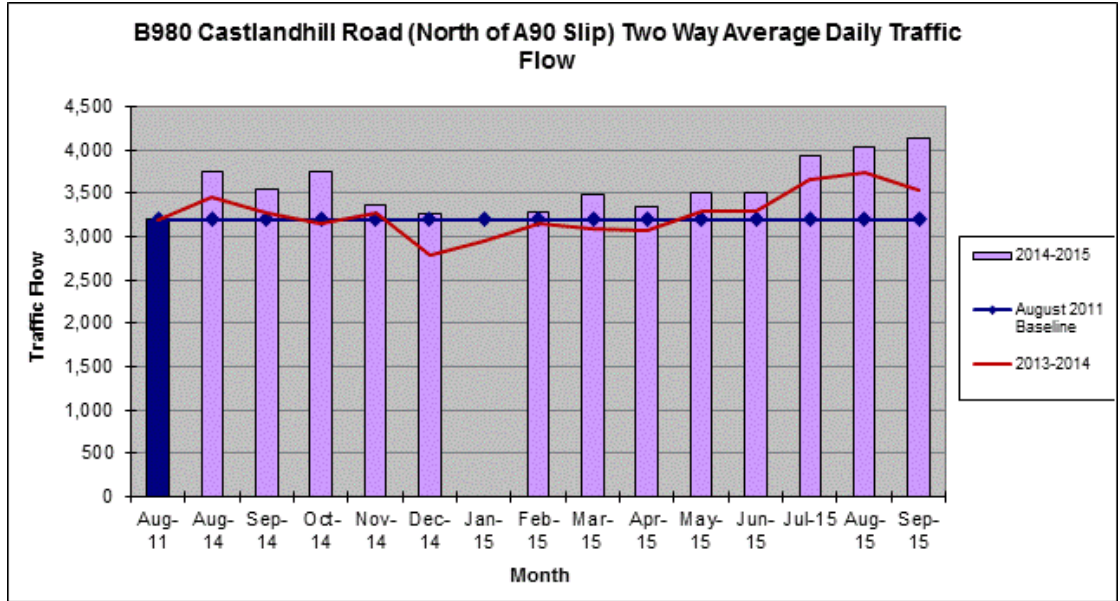


Figure 5-43 Monthly Two Way Daily Traffic Flows on the B980 Castlandhill Road (North of A90 Slip)

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

Table 5-26 Site: JTC00586 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00586	B980 Castlandhill Road (North of A90 Slip)	Aug-11	609	768
		Aug-14	740	939
		Sep-14	829	862
		Oct-14	857	888
		Nov-14	872	774
		Dec-14	842	715
		Jan-15	No Data	No Data
		Feb-15	900	720
		Mar-15	953	768
		Apr-15	708	786
		May-15	746	787
		Jun-15	797	821
		Jul-15	756	879
		Aug-15	784	947
Sep-15	929	1,025		
	<b>Annual Average</b>	<b>818</b>	<b>813</b>	

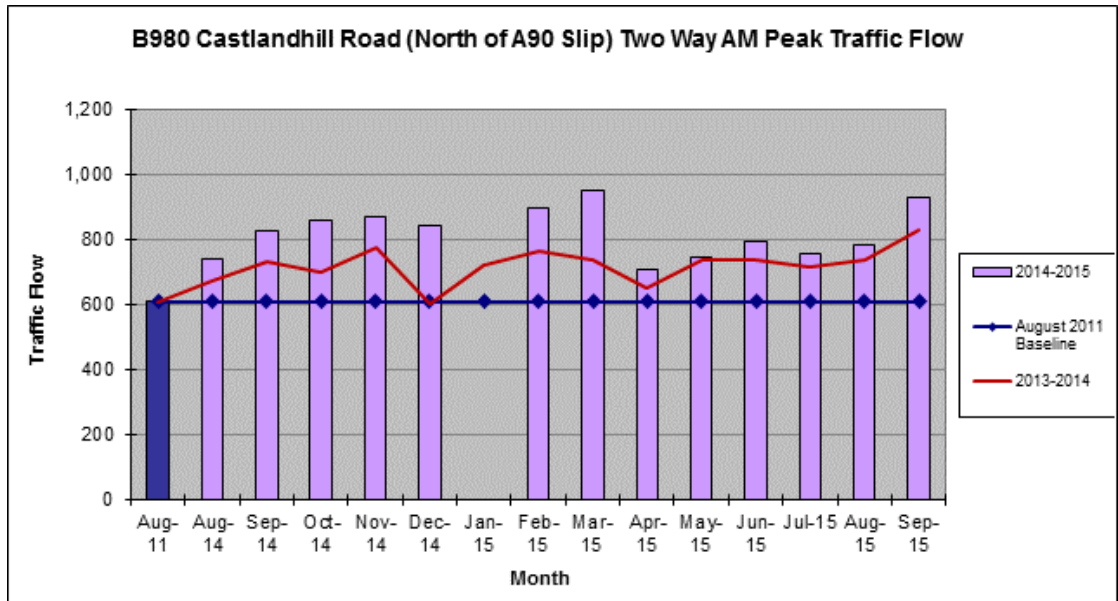


Figure 5-44 Monthly Two Way AM Peak Flows on the B980 Castlandhill Road (North of A90 Slip)

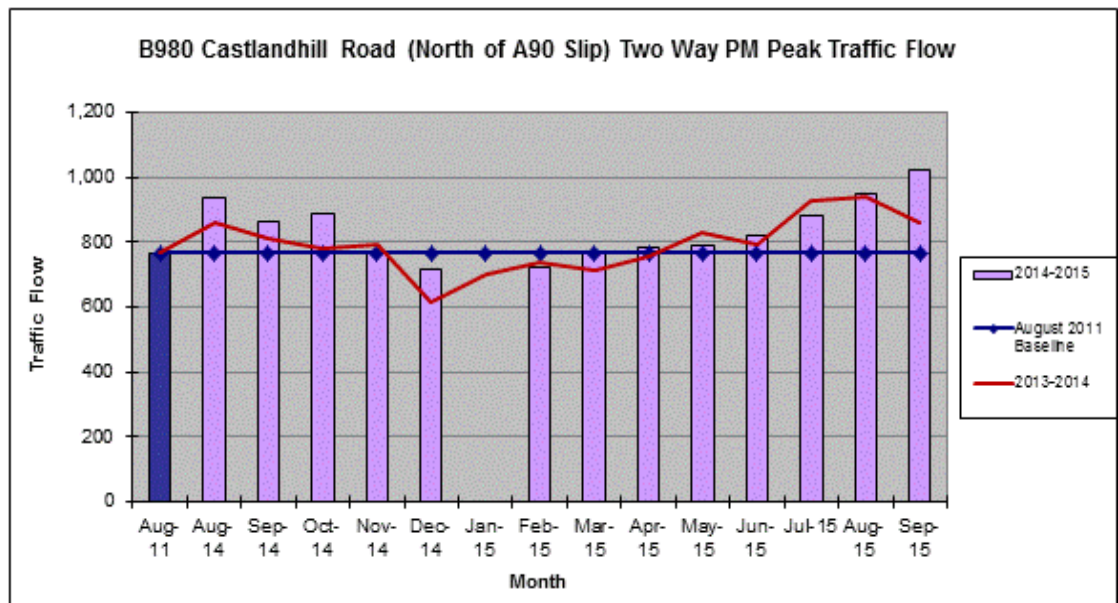


Figure 5-45 Monthly Two Way PM Peak Flows on the B980 Castlandhill Road (North of A90 Slip)

### 5.7.3 Monthly Average HGV Flows

Table 5-27 Site: JTC00586 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00586	B980 Castlandhill Road (North of A90 Slip)	Aug-11	129
		Aug-14	96
		Sep-14	102
		Oct-14	127
		Nov-14	97
		Dec-14	111
		Jan-15	No Data
		Feb-15	124
		Mar-15	123
		Apr-15	125
		May-15	135
		Jun-15	137
		Jul-15	160
		Aug-15	151
		Sep-15	158
		<b>Annual Average</b>	

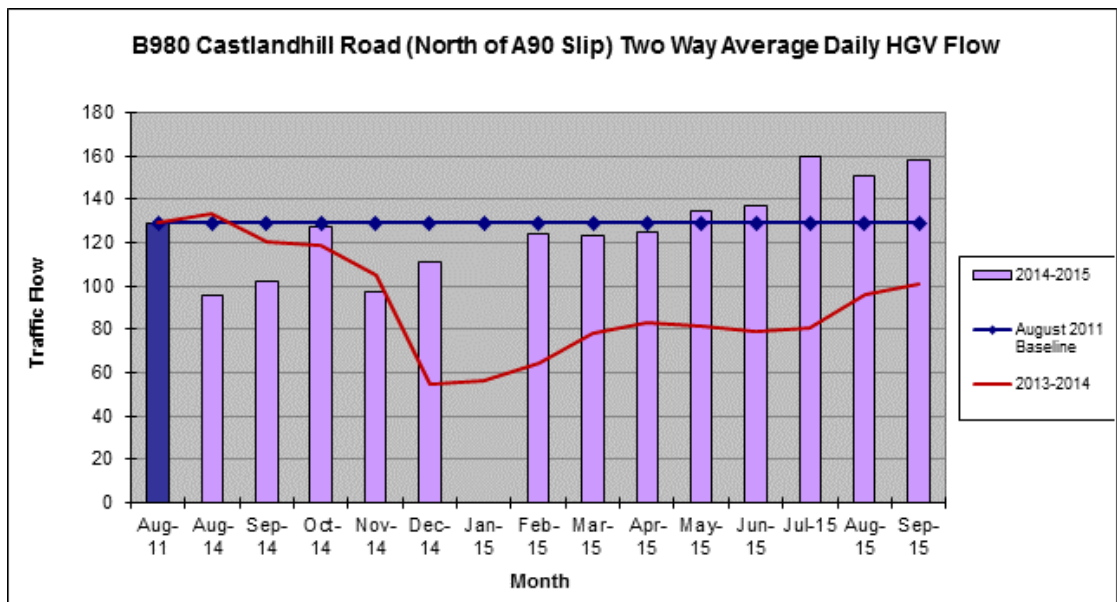


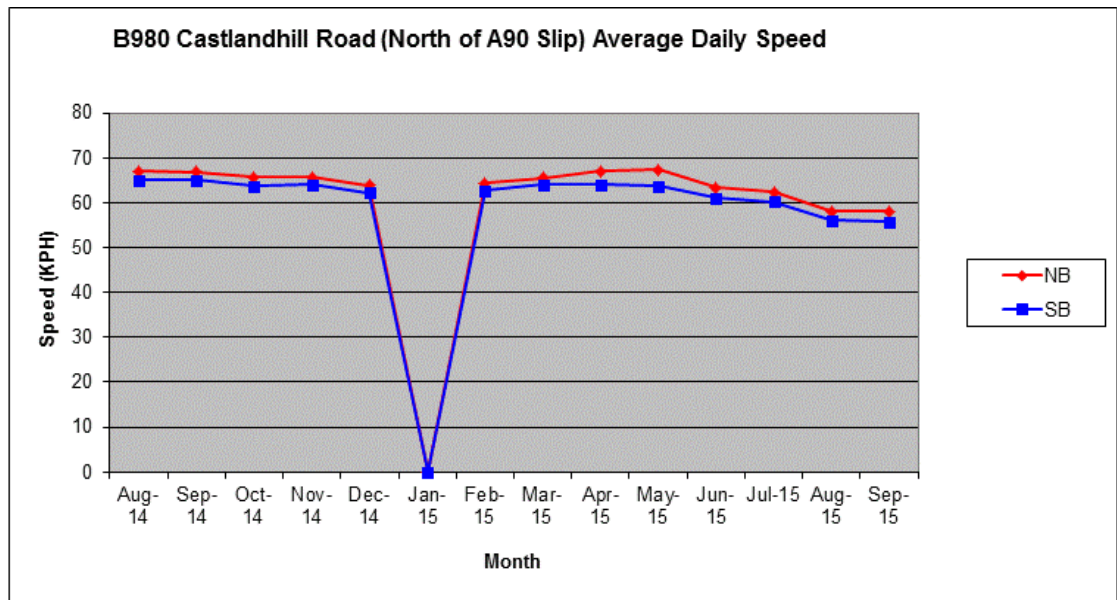
Figure 5-46 Monthly Two Way HGV Traffic Flows on the B980 Castlandhill Road (North of A90 Slip)



### 5.7.4 Monthly Average All Vehicles Traffic Speeds

**Table 5-28 Site: JTC00586 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00586	B980 Castlandhill Road (North of A90 Slip)	Aug-14	67	65
		Sep-14	67	65
		Oct-14	66	64
		Nov-14	66	64
		Dec-14	64	62
		Jan-15	No Data	No Data
		Feb-15	64	63
		Mar-15	66	64
		Apr-15	67	64
		May-15	67	64
		Jun-15	63	61
		Jul-15	62	60
		Aug-15	58	56
		Sep-15	58	56



**Figure 5-47 Average Monthly Traffic Speeds (KPH) on the B980 Castlandhill Road (North of A90 Slip)**



## 5.8 Traffic Counter JTC00591 - B981 North Road (East of Masterton)

### 5.8.1 Monthly Average Traffic Flows

*Table 5-29 Site: JTC00591 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00591	B981 North Road (East of Masterton)	Aug-11	No Data	No Data	No Data
		Aug-14	3,438	3,721	7,159
		Sep-14	3,414	3,619	7,034
		Oct-14	3,130	3,415	6,545
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	No Data	No Data	No Data
		Apr-15	3,232	3,445	6,677
		May-15	3,334	3,599	6,933
		Jun-15	3,444	3,718	7,161
		Jul-15	3,137	3,340	6,477
		Aug-15	3,578	3,802	7,380
		Sep-15	No Data	No Data	No Data
		<b>Annual Average</b>	<b>3,304</b>	<b>3,551</b>	<b>6,855</b>

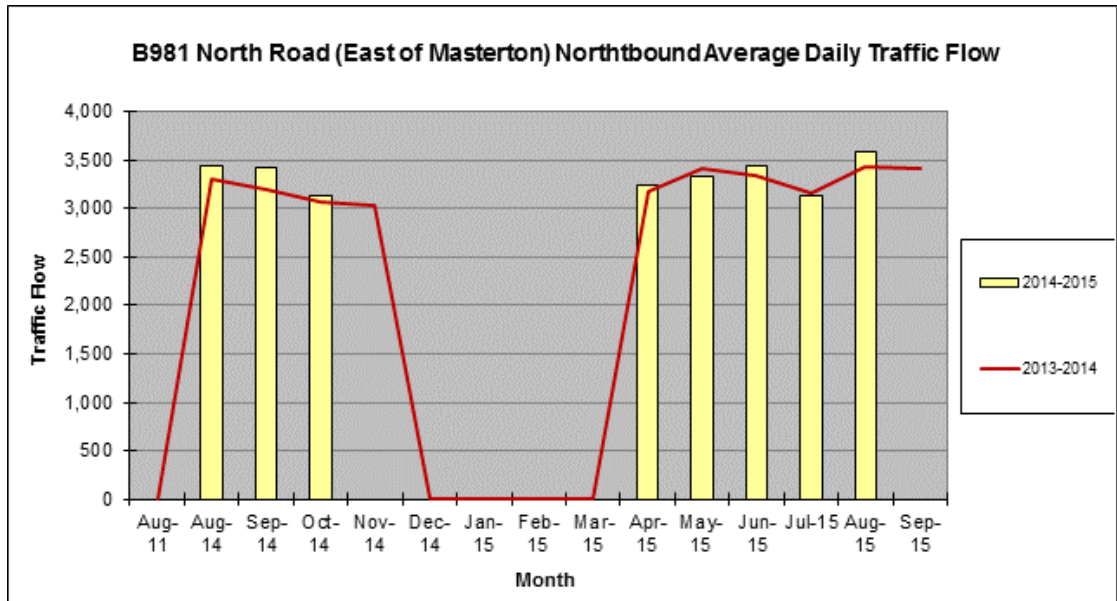


Figure 5-48 Monthly Northbound AADTs on the B981 North Road (East of Masterton)

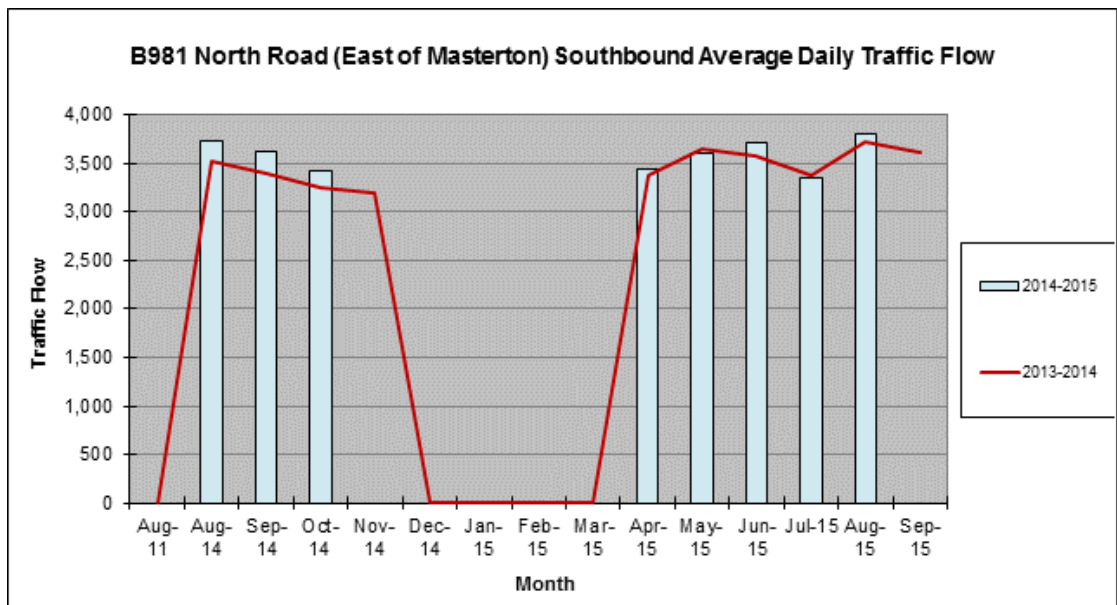


Figure 5-49 Monthly Southbound AADTs on the B981 North Road (East of Masterton)

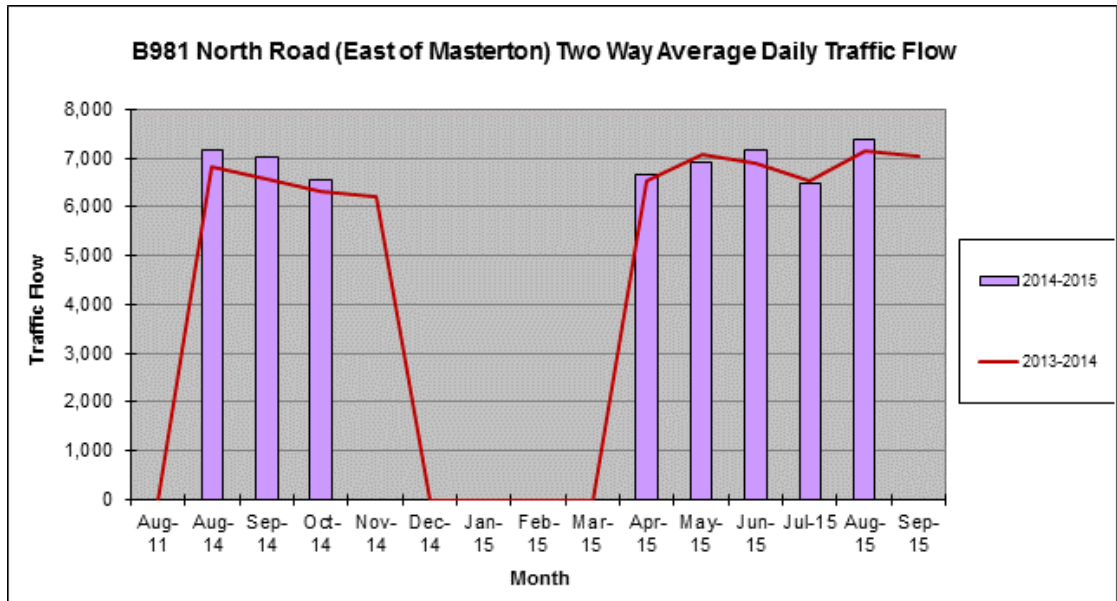


Figure 5-50 Monthly Two Way Daily Traffic Flows on the B981 North Road (East of Masterton)

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

Table 5-30 Site: JTC00591 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00591	B981 North Road (East of Masterton)	Aug-11	No Data	No Data
		Aug-14	1,333	1,822
		Sep-14	1,428	1,870
		Oct-14	1,303	1,710
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	1,276	1,744
		May-15	1,375	1,782
		Jun-15	1,424	1,860
		Jul-15	1,199	1,669
		Aug-15	1,369	1,943
Sep-15	No Data	No Data		
		<b>Annual Average</b>	<b>1,334</b>	<b>1,780</b>

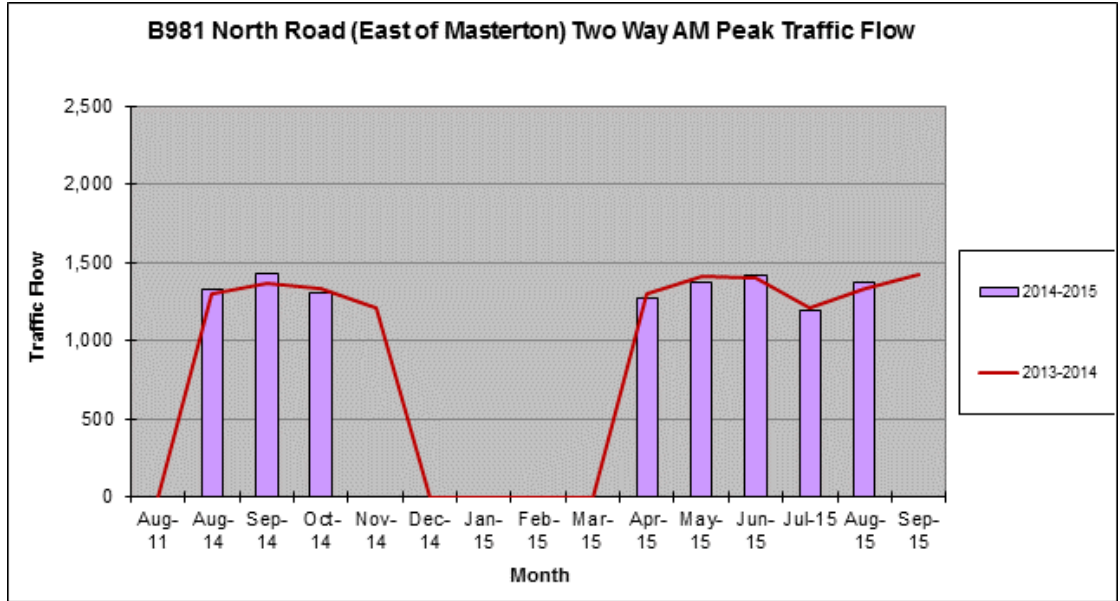


Figure 5-51 Monthly Two Way AM Peak Flows on the B981 North Road (East of Masterton)

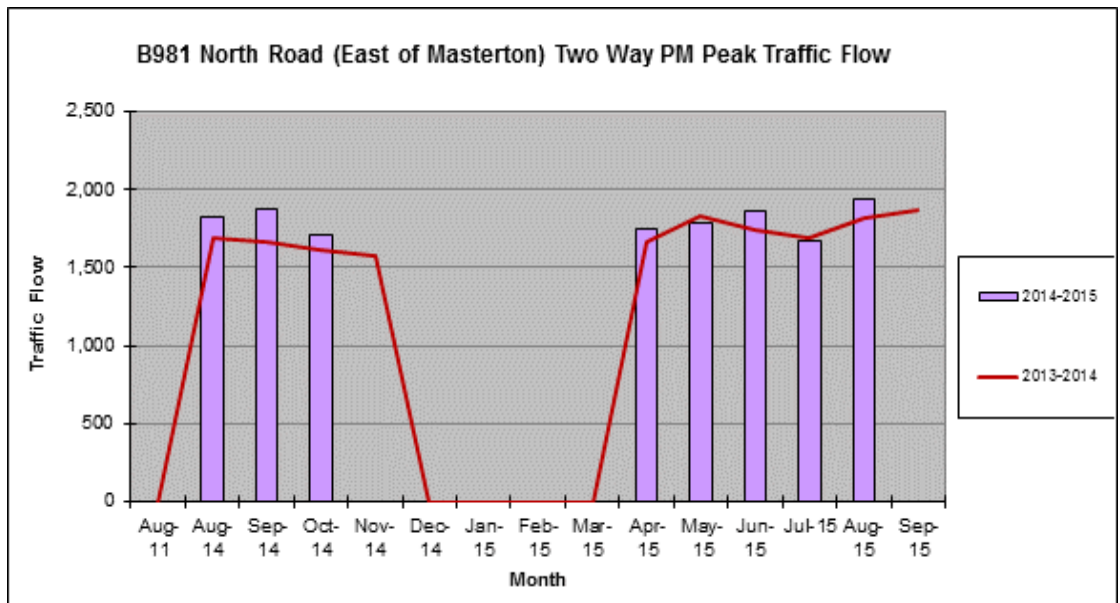


Figure 5-52 Monthly Two Way PM Peak Flows on the B981 North Road (East of Masterton)

5.8.3 Monthly Average HGV Flows

Table 5-31 Site: JTC00591 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00591	B981 North Road (East of Masterton)	Aug-11	No Data
		Aug-14	85
		Sep-14	100
		Oct-14	90
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	96
		May-15	94
		Jun-15	98
		Jul-15	82
		Aug-15	98
		Sep-15	No Data

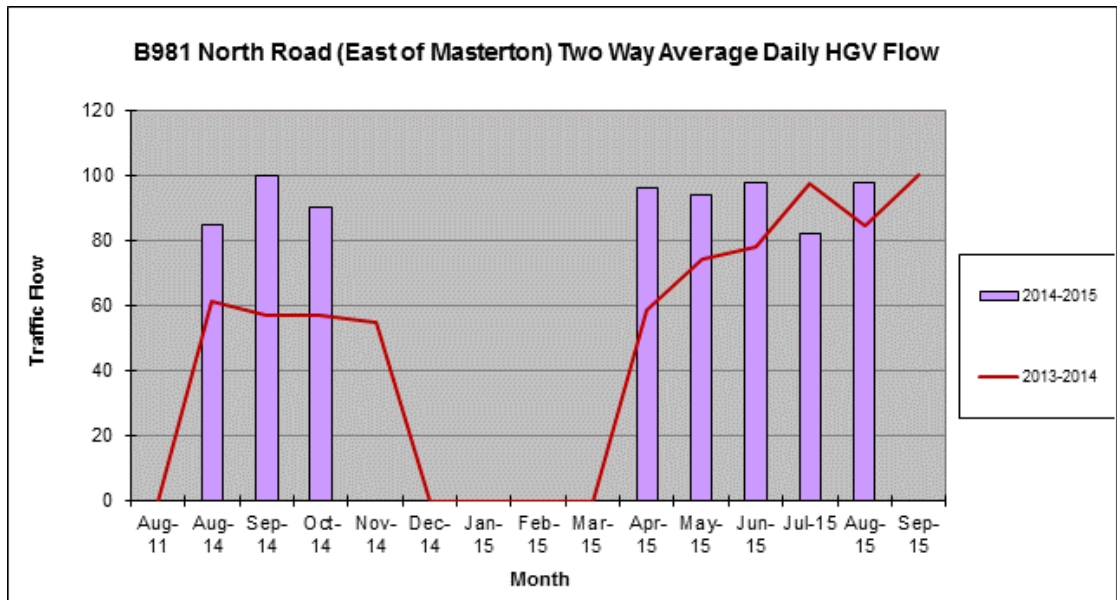


Figure 5-53 Monthly Two Way HGV Traffic Flows on the B981 North Road (East of Masterton)

5.8.4 Monthly Average All Vehicles Traffic Speeds

Table 5-32 Site: JTC00591 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	NB	SB
JTC00591	B981 North Road (East of Masterton)	Aug-14	77	75
		Sep-14	76	74
		Oct-14	75	73
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	76	73
		May-15	75	73
		Jun-15	75	73
		Jul-15	73	73
		Aug-15	74	72
		Sep-15	No Data	No Data

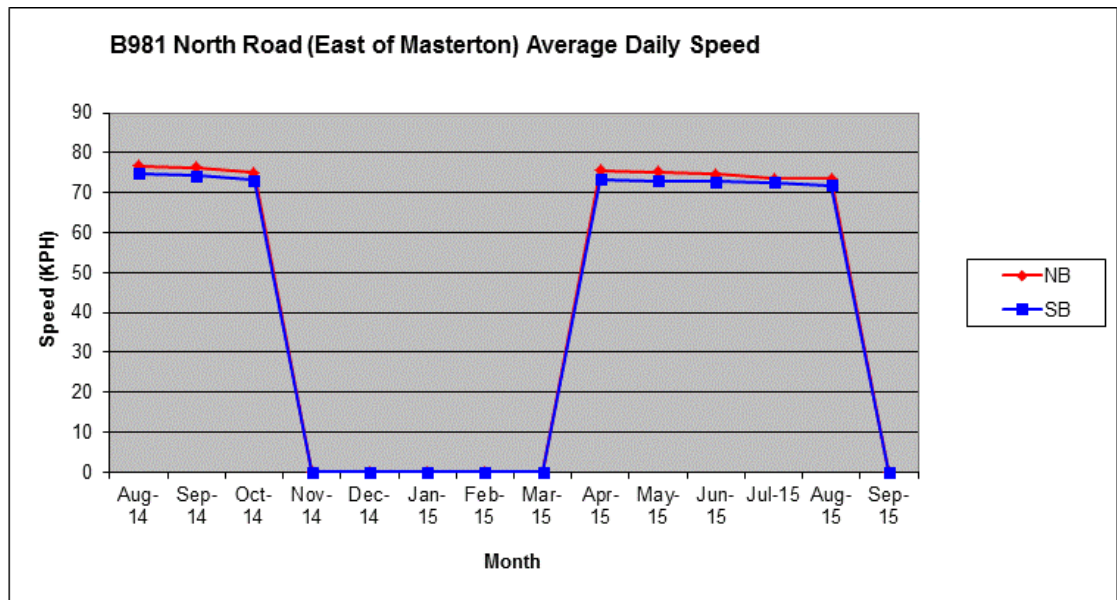


Figure 5-54 Average Monthly Traffic Speeds (KPH) on the B981 North Road (East of Masterton)

## 5.9 Traffic Counter JTC00592 - B924 Hawes Brae (South Queensferry)

### 5.9.1 Monthly Average Traffic Flows

*Table 5-33 Site: JTC00592 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	1,711	1,431	3,142
		Aug-14	1,597	1,308	2,905
		Sep-14	1,516	1,286	2,802
		Oct-14	1,554	1,264	2,818
		Nov-14	1,539	1,240	2,779
		Dec-14	No Data	No Data	No Data
		Jan-15	1,169	1,086	2,256
		Feb-15	1,326	1,161	2,487
		Mar-15	1,413	1,219	2,632
		Apr-15	1,459	1,159	2,618
		May-15	1,561	1,310	2,871
		Jun-15	1,658	1,395	3,053
		Jul-15	1,601	1,272	2,873
		Aug-15	1,758	1,381	3,139
		Sep-15	1,673	1,367	3,039
	<b>Annual Average</b>	<b>1,490</b>	<b>1,246</b>	<b>2,736</b>	



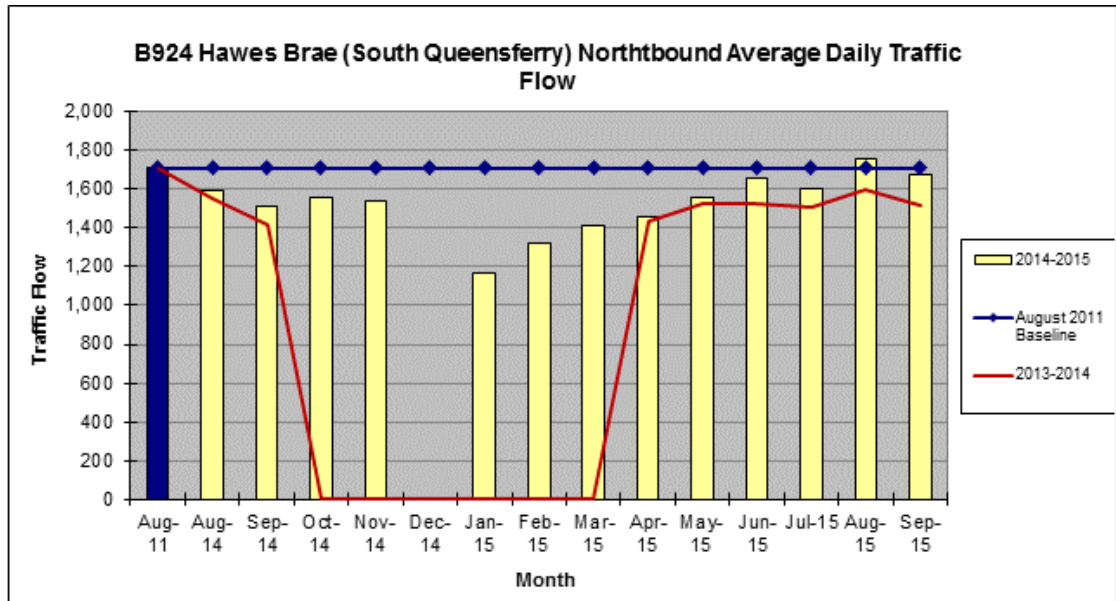


Figure 5-55 Monthly Northbound AADTs on the B924 Hawes Brae (South Queensferry)

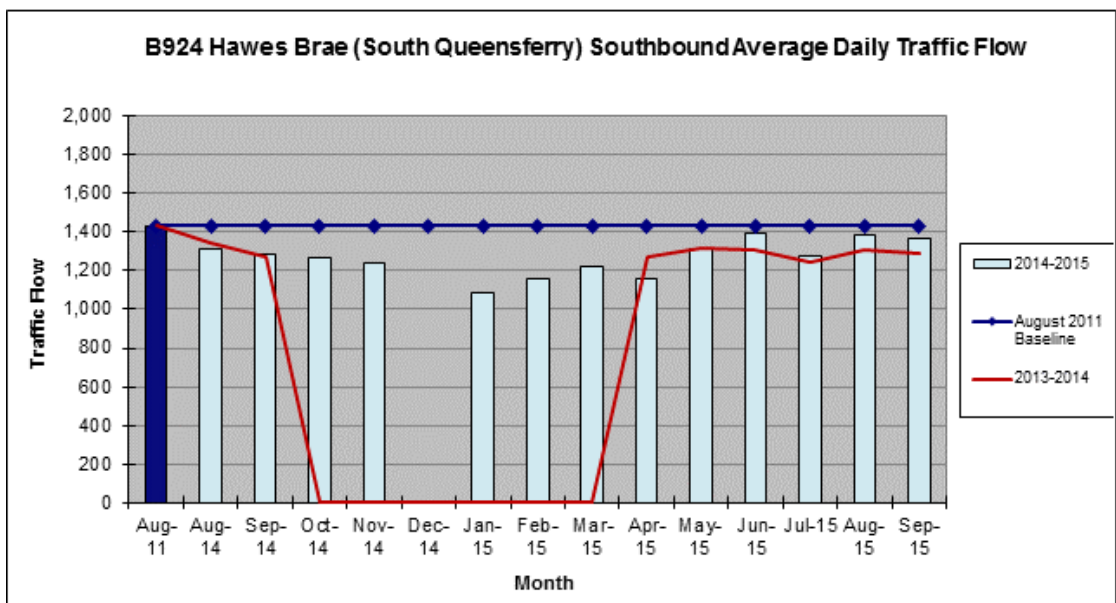


Figure 5-56 Monthly Southbound AADTs on the B924 Hawes Brae (South Queensferry)



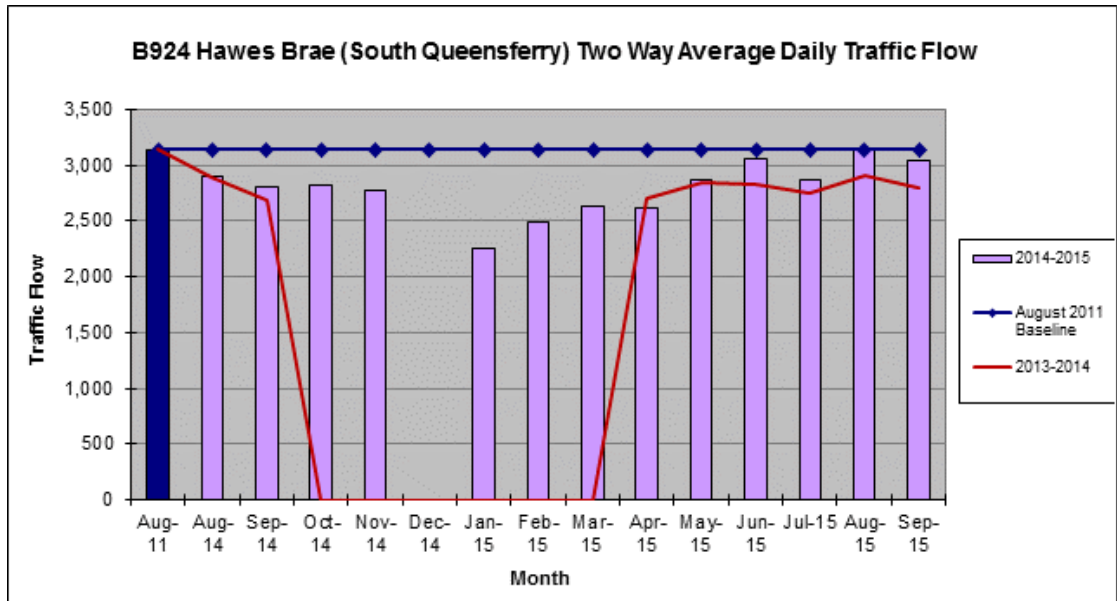


Figure 5-57 Monthly Two Way Daily Traffic Flows on the B924 Hawes Brae (South Queensferry)

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

Table 5-34 Site: JTC00592 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	467	880
		Aug-14	442	695
		Sep-14	445	668
		Oct-14	457	647
		Nov-14	517	708
		Dec-14	No Data	No Data
		Jan-15	385	543
		Feb-15	462	644
		Mar-15	503	676
		Apr-15	390	606
		May-15	454	633
		Jun-15	488	706
		Jul-15	444	668
		Aug-15	467	799
Sep-15	491	743		
	<b>Annual Average</b>	<b>453</b>	<b>654</b>	

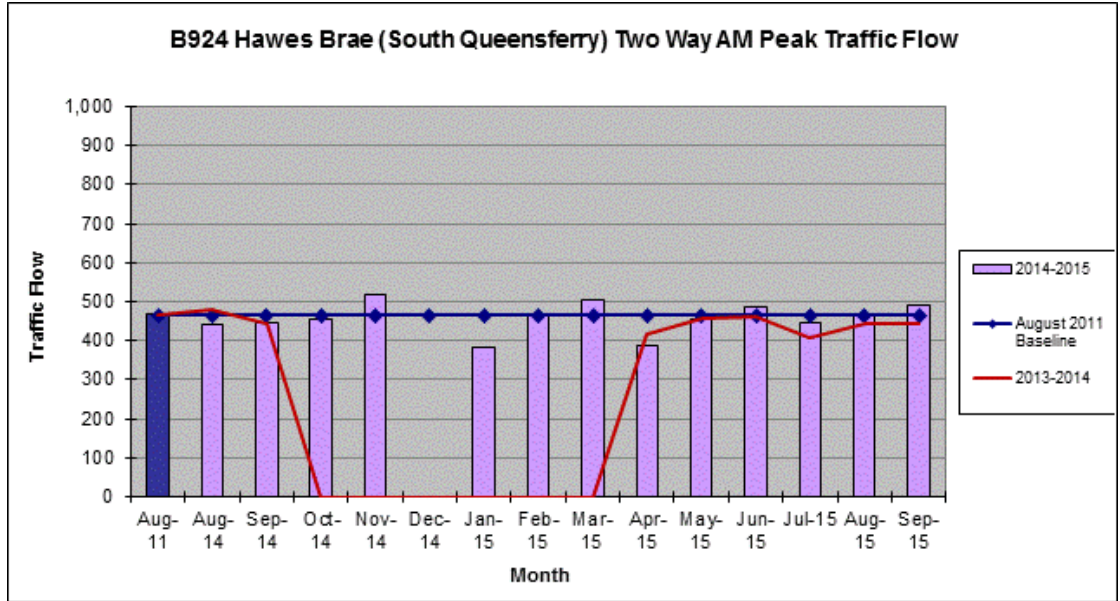


Figure 5-58 Monthly Two Way AM Peak Flows on the B924 Hawes Brae (South Queensferry)

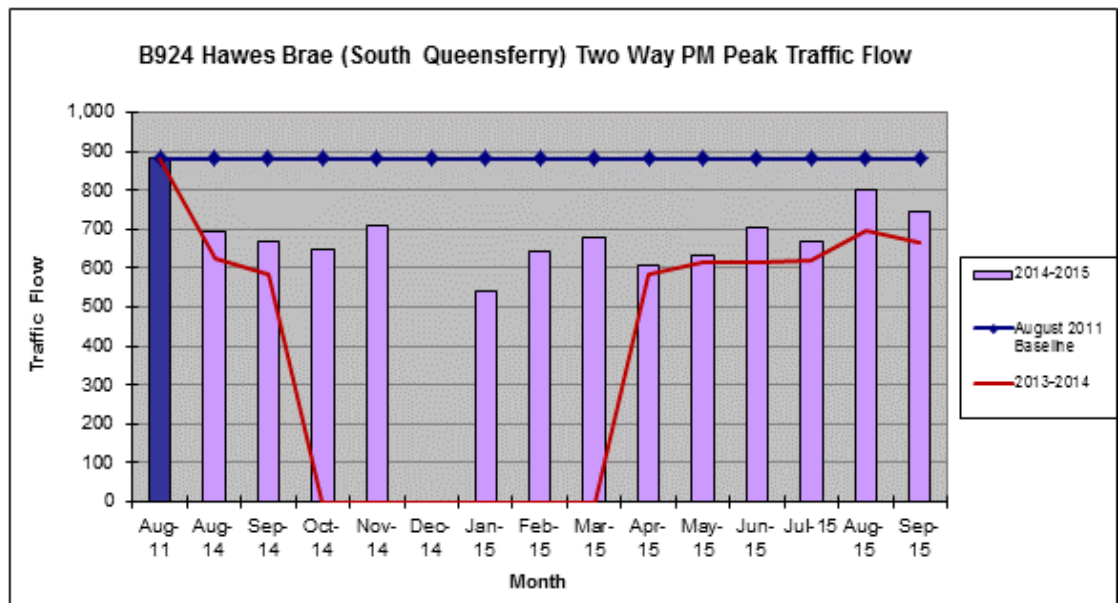


Figure 5-59 Monthly Two Way PM Peak Flows on the B924 Hawes Brae (South Queensferry)

### 5.9.3 Monthly Average HGV Flows

Table 5-35 Site: JTC00592 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-11	48
		Aug-14	33
		Sep-14	22
		Oct-14	10
		Nov-14	2
		Dec-14	No Data
		Jan-15	2
		Feb-15	2
		Mar-15	3
		Apr-15	9
		May-15	25
		Jun-15	21
		Jul-15	30
		Aug-15	27
		Sep-15	25
		<b>Annual Average</b>	<b>14</b>

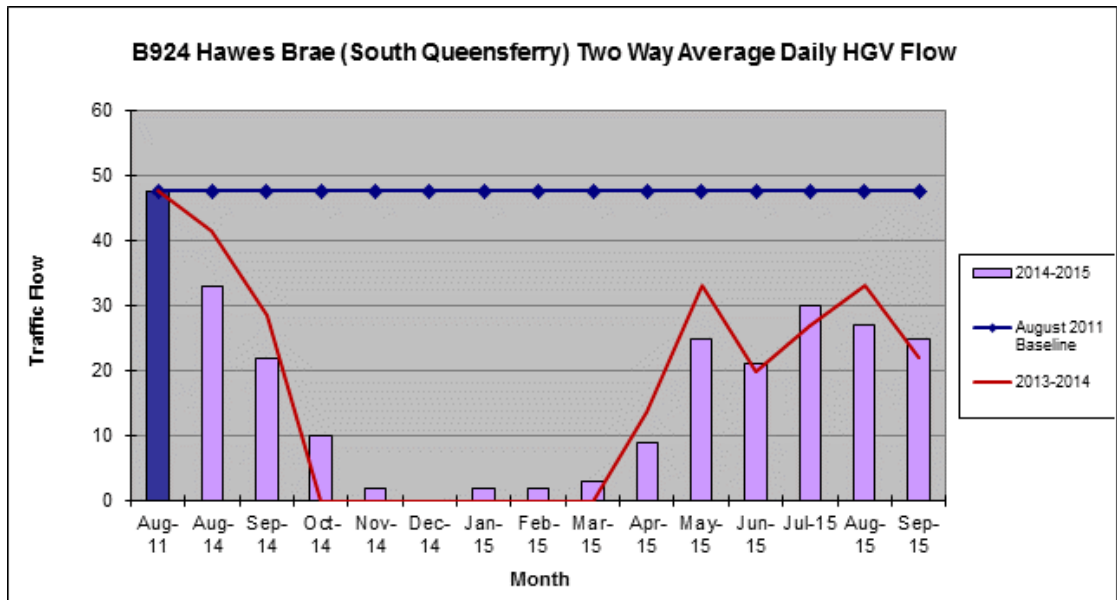


Figure 5-60 Monthly Two Way HGV Traffic Flows on the B924 Hawes Brae (South Queensferry)

5.9.4 Monthly Average All Vehicles Traffic Speeds

Table 5-36 Site: JTC00592 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	NB	SB
JTC00592	B924 Hawes Brae (South Queensferry)	Aug-14	72	67
		Sep-14	73	68
		Oct-14	73	68
		Nov-14	72	67
		Dec-14	No Data	No Data
		Jan-15	71	67
		Feb-15	72	68
		Mar-15	73	69
		Apr-15	73	69
		May-15	72	68
		Jun-15	72	68
		Jul-15	72	66
		Aug-15	71	66
		Sep-15	72	67

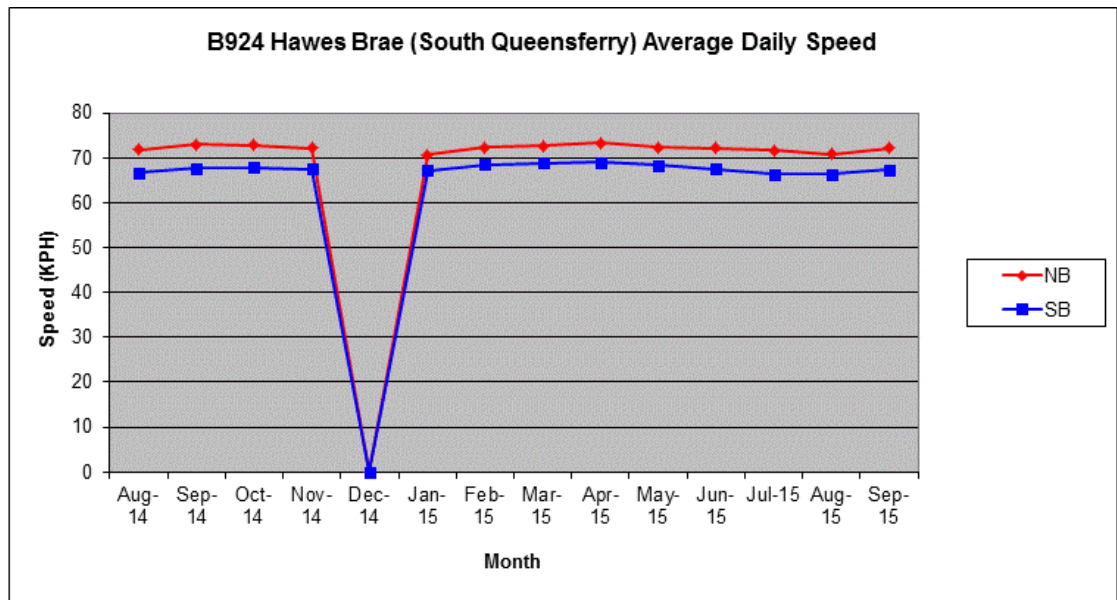


Figure 5-61 Average Monthly Traffic Speeds (KPH) on the B924 Hawes Brae (South Queensferry)

## 5.10 Traffic Counter JTC00594 - B981 Hope Street (Inverkeithing)

### 5.10.1 Monthly Average Traffic Flows

*Table 5-37 Site: JTC00594 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	2,477	2,393	4,870
		Aug-14	No Data	No Data	No Data
		Sep-14	No Data	No Data	No Data
		Oct-14	No Data	No Data	No Data
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	2,270	2,338	4,607
		Apr-15	2,290	2,386	4,676
		May-15	2,760	2,922	5,682
		Jun-15	2,804	2,966	5,769
		Jul-15	2,693	2,870	5,563
		Aug-15	3,387	3,074	6,461
		Sep-15	3,167	2,961	6,127
	<b>Annual Average</b>	<b>2,563</b>	<b>2,696</b>	<b>5,259</b>	

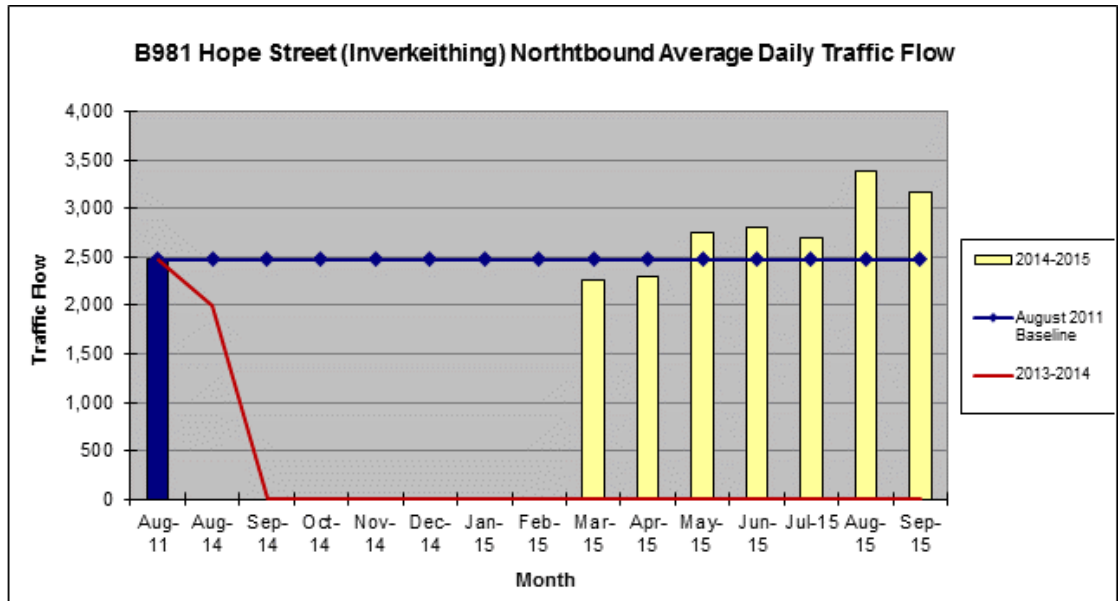


Figure 5-62 Monthly Northbound AADTs on the B981 Hope Street (Inverkeithing)

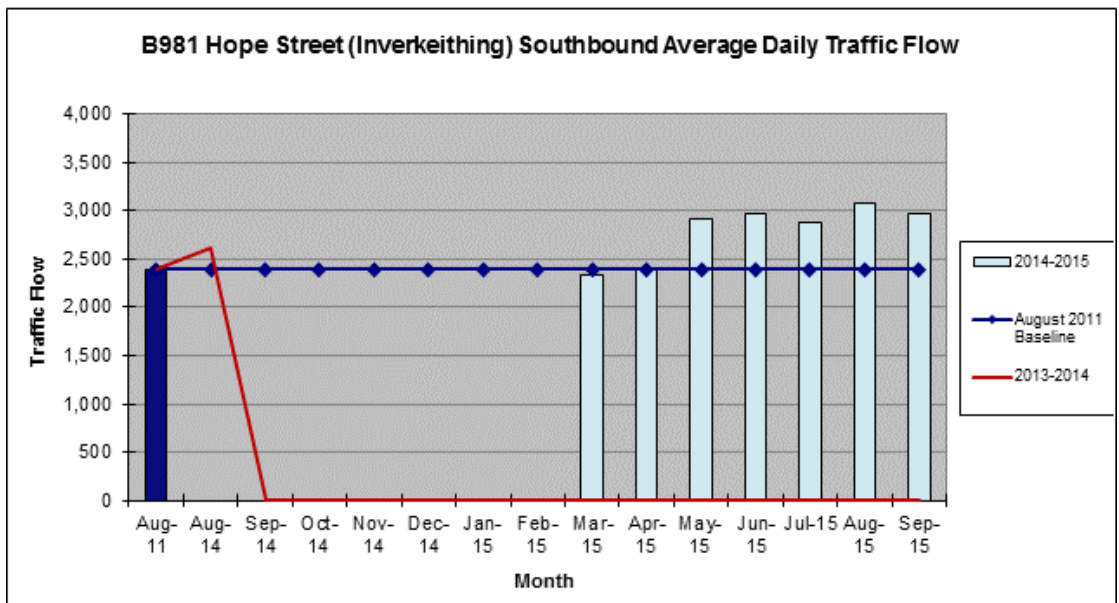


Figure 5-63 Monthly Southbound AADTs on the B981 Hope Street (Inverkeithing)

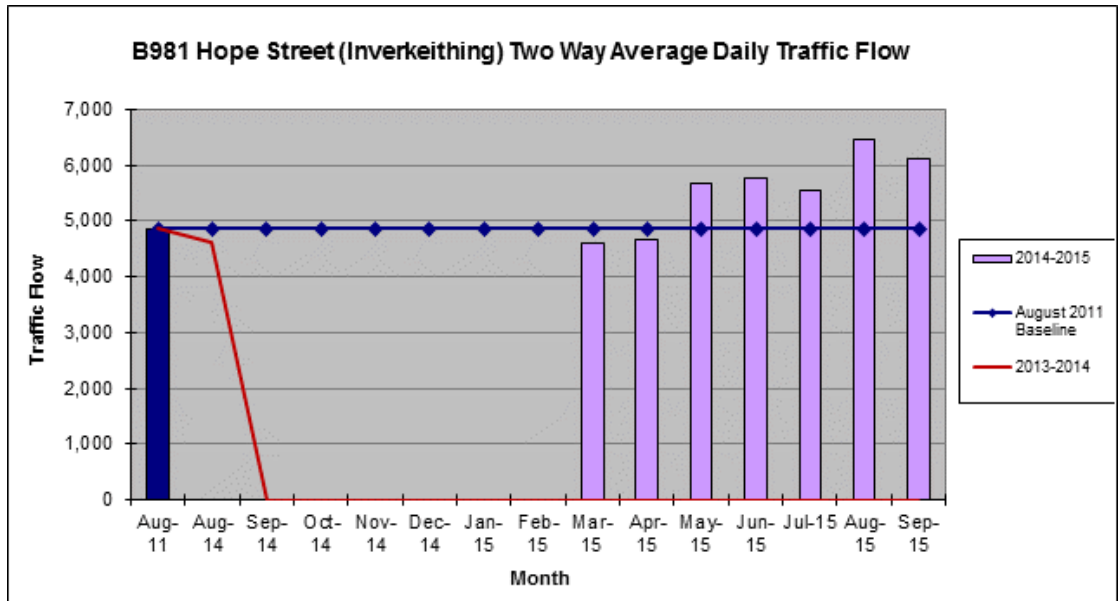


Figure 5-64 Monthly Two Way Daily Traffic Flows on the B981 Hope Street (Inverkeithing)

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

Table 5-38 Site: JTC00594 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	994	1,200
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	809	1,505
		Apr-15	755	1,155
		May-15	936	1,383
		Jun-15	993	1,416
		Jul-15	904	1,281
		Aug-15	1,015	1,597
Sep-15	1,031	1,554		
		<b>Annual Average</b>	<b>879</b>	<b>1,348</b>



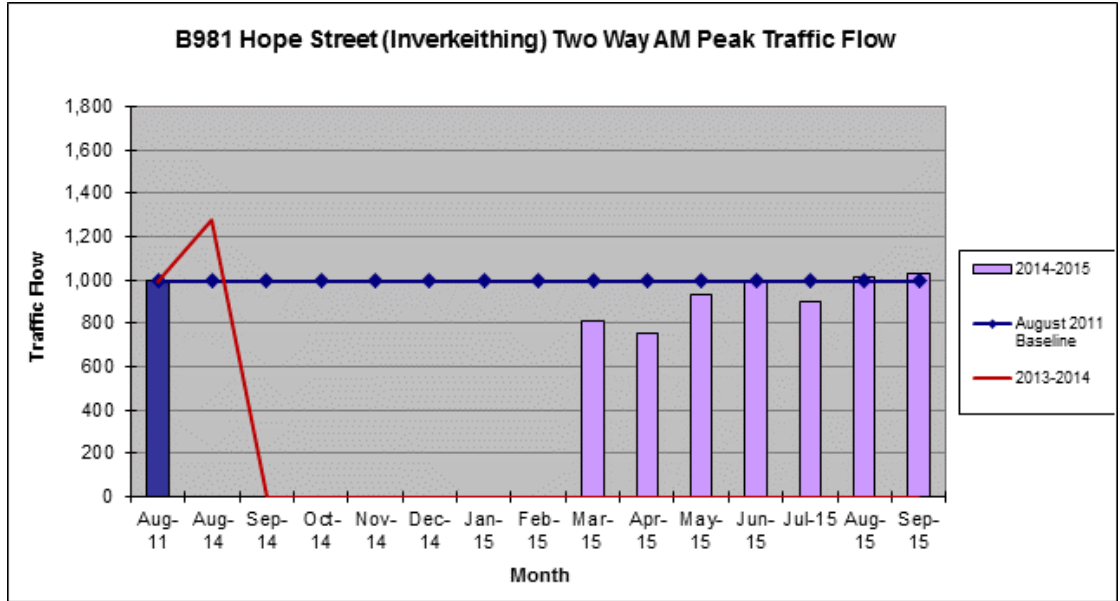


Figure 5-65 Monthly Two Way AM Peak Flows on the B981 Hope Street (Inverkeithing)

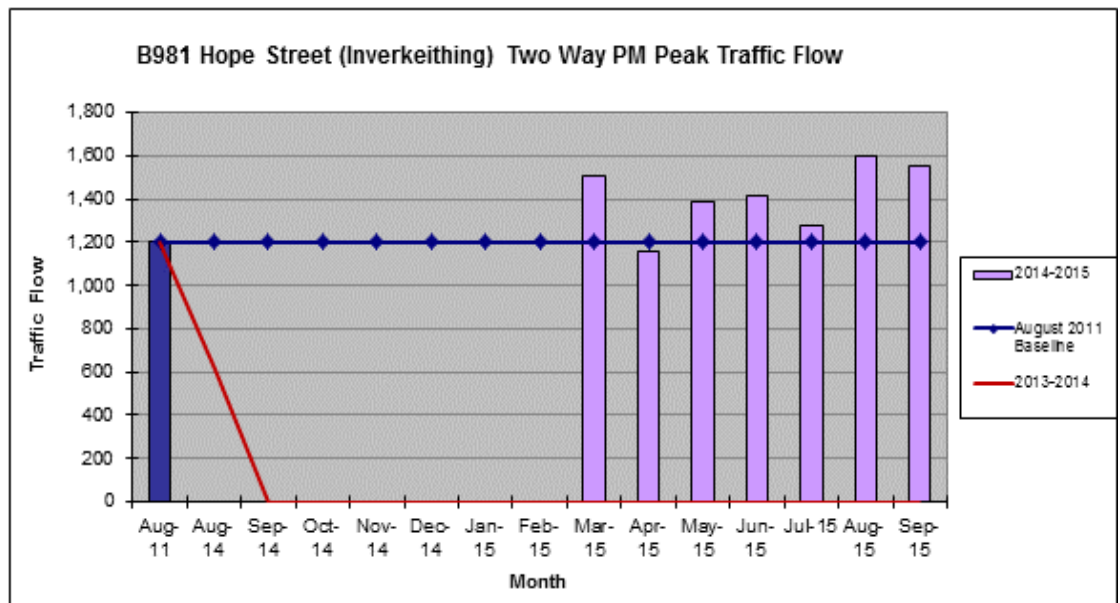


Figure 5-66 Monthly Two Way PM Peak Flows on the B981 Hope Street (Inverkeithing)



### 5.10.3 Monthly Average HGV Flows

Table 5-39 Site: JTC00594 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00594	B981 Hope Street (Inverkeithing)	Aug-11	119
		Aug-14	No Data
		Sep-14	No Data
		Oct-14	No Data
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	No Data
		Mar-15	216
		Apr-15	203
		May-15	197
		Jun-15	104
		Jul-15	98
		Aug-15	215
		Sep-15	195

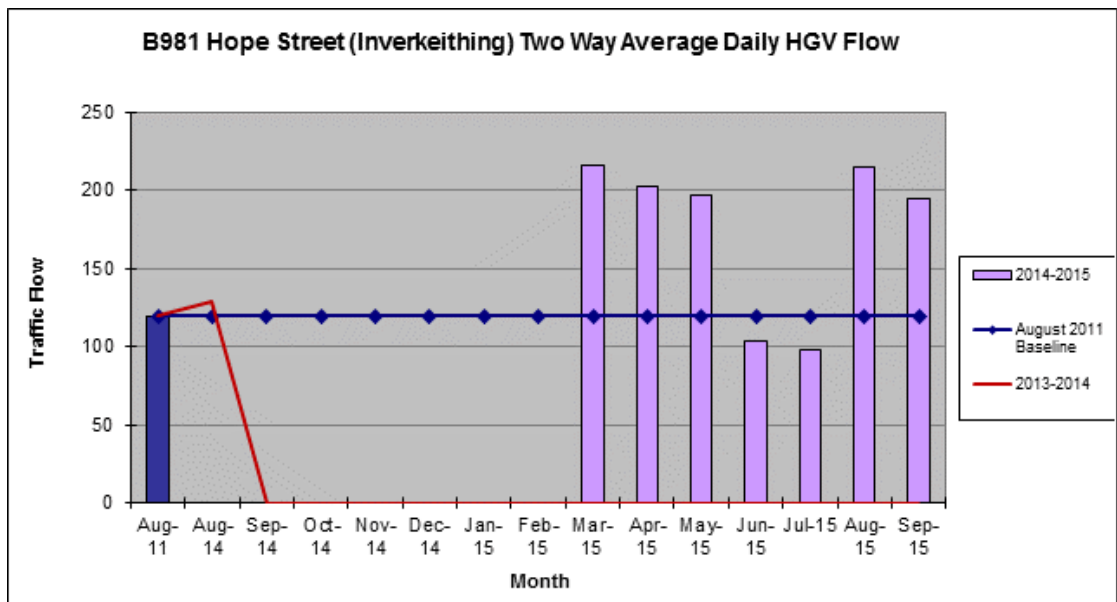


Figure 5-67 Monthly Two Way HGV Traffic Flows on the B981 Hope Street (Inverkeithing)

5.10.4 Monthly Average All Vehicles Traffic Speeds

Table 5-40 Site: JTC00594 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	NB	SB
JTC00594	B981 Hope Street (Inverkeithing)	Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	50	49
		Apr-15	63	64
		May-15	50	50
		Jun-15	50	49
		Jul-15	50	49
		Aug-15	49	49
Sep-15	49	48		

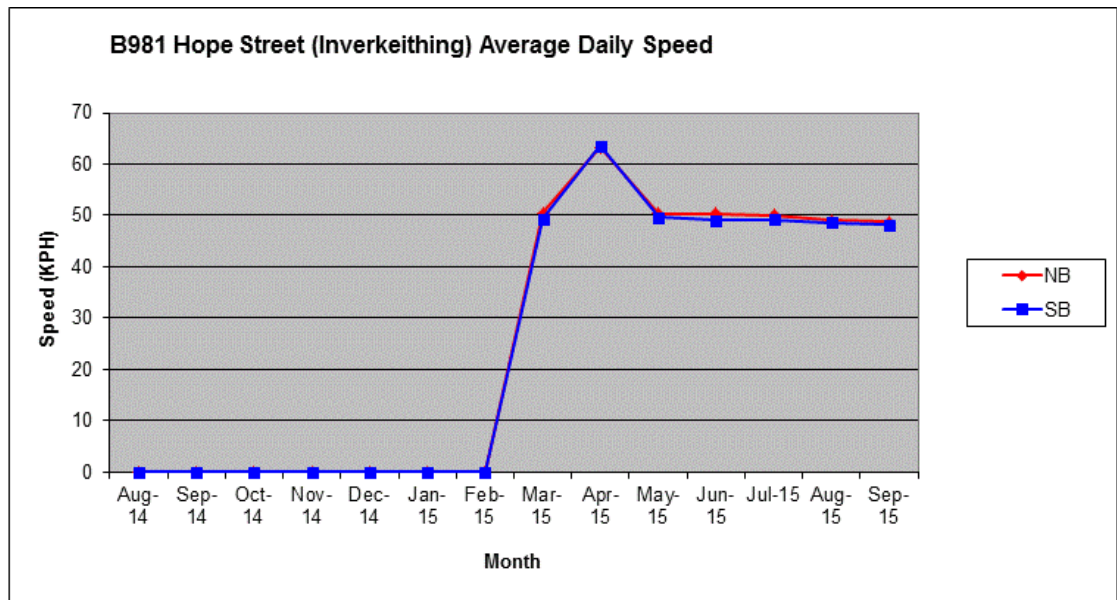


Figure 5-68 Average Monthly Traffic Speeds (KPH) on the B981 Hope Street (Inverkeithing)

## 5.11 Traffic Counter JTC00595 - B981 North Queensferry

### 5.11.1 Monthly Average Traffic Flows

*Table 5-41 Site: JTC00595 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00595	B981 North Queensferry	Aug-11	1,381	1,349	2,730
		Aug-14	1,268	1,229	2,498
		Sep-14	1,098	1,061	2,159
		Oct-14	1,086	1,013	2,100
		Nov-14	911	870	1,781
		Dec-14	736	682	1,418
		Jan-15	766	723	1,490
		Feb-15	936	881	1,818
		Mar-15	927	872	1,799
		Apr-15	1,056	1,000	2,057
		May-15	1,005	971	1,976
		Jun-15	1,004	946	1,950
		Jul-15	1,081	1,025	2,106
		Aug-15	1,066	1,025	2,091
		Sep-15	962	934	1,896
		<b>Annual Average</b>	<b>990</b>	<b>940</b>	<b>1,929</b>

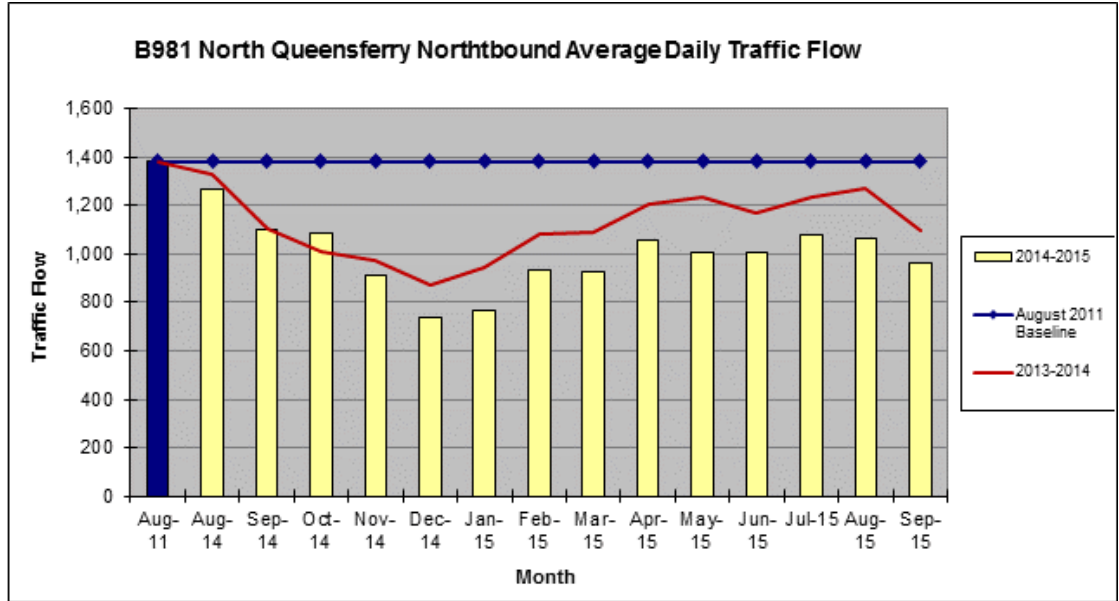


Figure 5-69 Monthly Northbound AADTs on the B981 North Queensferry

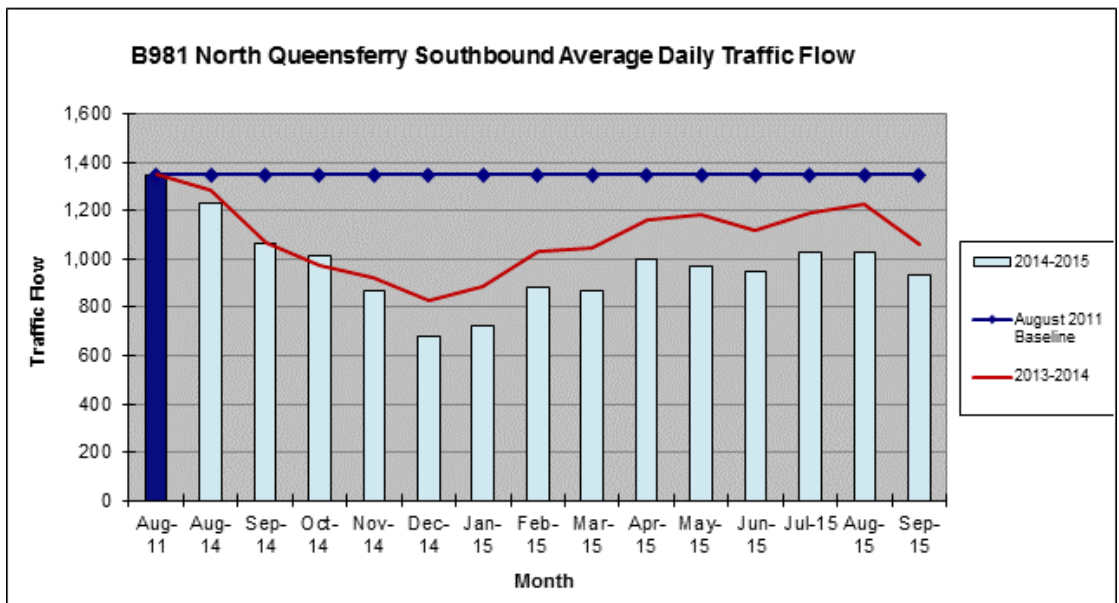


Figure 5-70 Monthly Southbound AADTs on the B981 North Queensferry

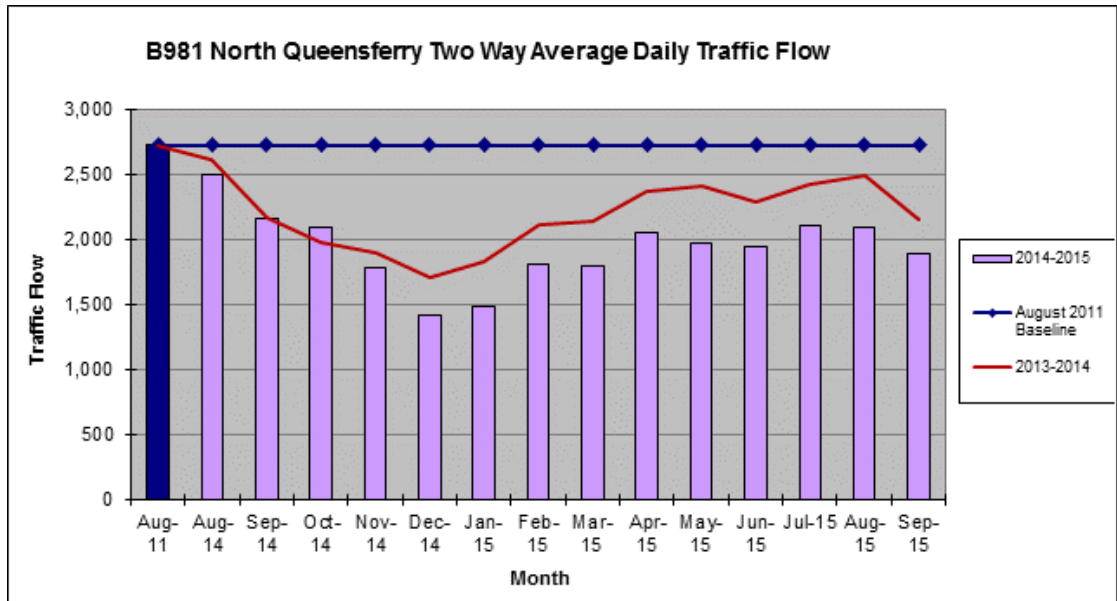


Figure 5-71 Monthly Two Way Daily Traffic Flows on the B981 North Queensferry

5.11.2 Monthly Average AM and PM Peak Traffic Flows

Table 5-42 Site: JTC00595 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00595	B981 North Queensferry	Aug-11	334	543
		Aug-14	280	473
		Sep-14	273	443
		Oct-14	251	403
		Nov-14	220	391
		Dec-14	154	304
		Jan-15	178	346
		Feb-15	194	420
		Mar-15	213	394
		Apr-15	251	394
		May-15	272	382
		Jun-15	288	377
		Jul-15	248	375
		Aug-15	240	396
Sep-15	263	385		
	<b>Annual Average</b>	<b>235</b>	<b>392</b>	

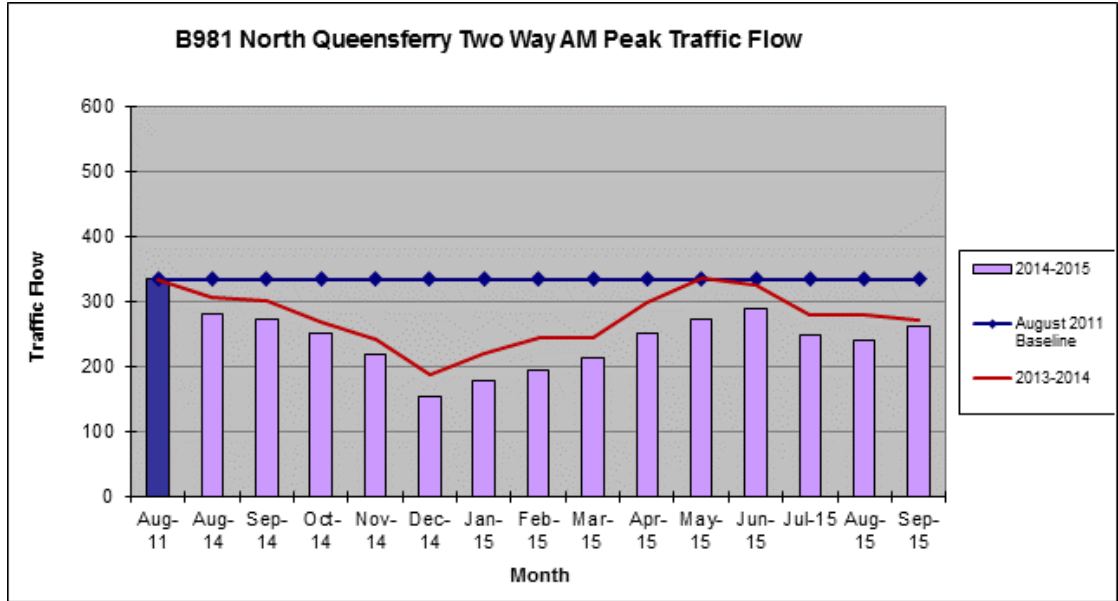


Figure 5-72 Monthly Two Way AM Peak Flows on the B981 North Queensferry

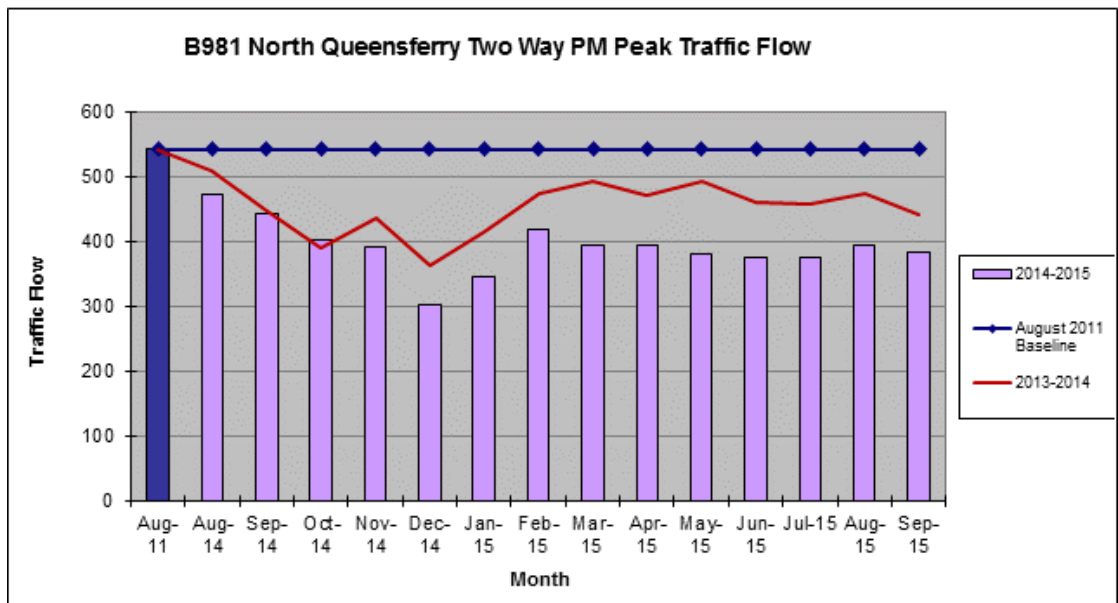


Figure 5-73 Monthly Two Way PM Peak Flows on the B981 North Queensferry

### 5.11.3 Monthly Average HGV Flows

Table 5-43 Site: JTC00595 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00595	B981 North Queensferry	Aug-11	30
		Aug-14	33
		Sep-14	30
		Oct-14	28
		Nov-14	29
		Dec-14	28
		Jan-15	26
		Feb-15	27
		Mar-15	30
		Apr-15	31
		May-15	28
		Jun-15	30
		Jul-15	29
		Aug-15	32
		Sep-15	36
		<b>Annual Average</b>	<b>29</b>

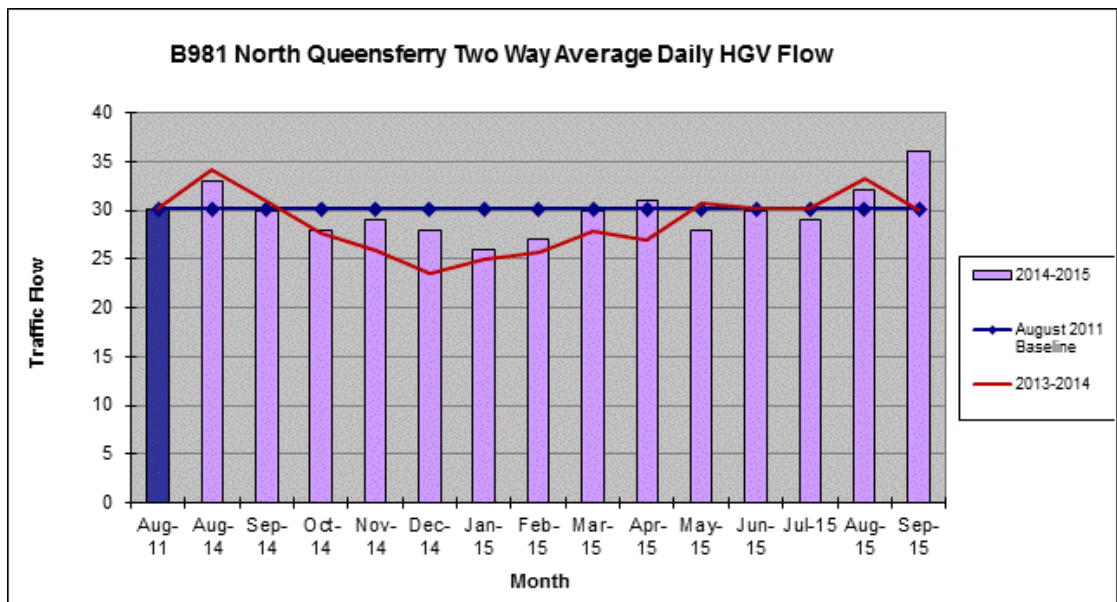


Figure 5-74 Monthly Two Way HGV Traffic Flows on the B981 North Queensferry

5.11.4 Monthly Average All Vehicles Traffic Speeds

Table 5-44 Site: JTC00595 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	NB	SB
JTC00595	B981 North Queensferry	Aug-14	42	41
		Sep-14	41	40
		Oct-14	41	40
		Nov-14	40	40
		Dec-14	41	40
		Jan-15	42	41
		Feb-15	42	41
		Mar-15	43	42
		Apr-15	42	42
		May-15	43	43
		Jun-15	43	43
		Jul-15	42	42
		Aug-15	42	41
		Sep-15	41	41

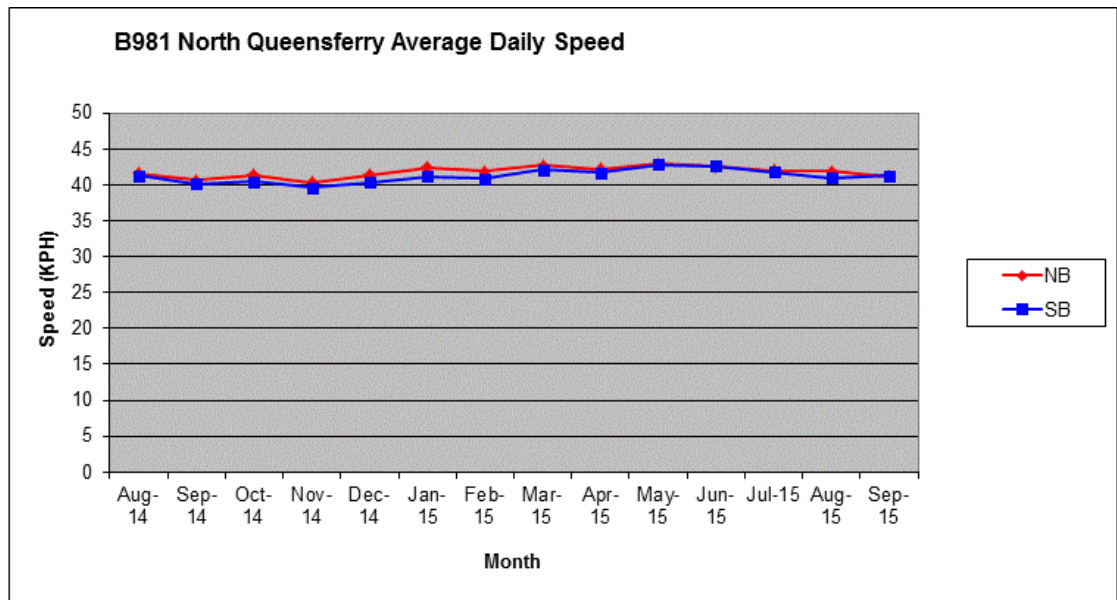


Figure 5-75 Average Monthly Traffic Speeds (KPH) on the B981 North Queensferry



## 5.12 Traffic Counter JTC00599 - B8046 Old Philpstoun

Summary of statistics between August 2014 and September 2015:

- HGV flows follow a similar pattern to the previous monitoring period, however remain lower than the baseline.

### 5.12.1 Monthly Average Traffic Flows

**Table 5-45 Site: JTC00599 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	NB	SB	Two Way
JTC00599	B8046 Old Philpstoun	Aug-11	4,290	4,659	8,949
		Aug-14	3,351	3,618	6,969
		Sep-14	3,419	3,636	7,054
		Oct-14	3,267	3,462	6,729
		Nov-14	3,302	3,502	6,804
		Dec-14	2,793	2,998	5,790
		Jan-15	2,826	3,032	5,858
		Feb-15	3,175	3,362	6,537
		Mar-15	3,321	3,454	6,774
		Apr-15	3,494	3,631	7,125
		May-15	3,506	3,599	7,105
		Jun-15	3,792	3,973	7,765
		Jul-15	3,584	3,706	7,290
		Aug-15	3,676	3,789	7,465
		Sep-15	3,564	3,716	7,279
		<b>Annual Average</b>	<b>3,319</b>	<b>3,498</b>	<b>6,817</b>

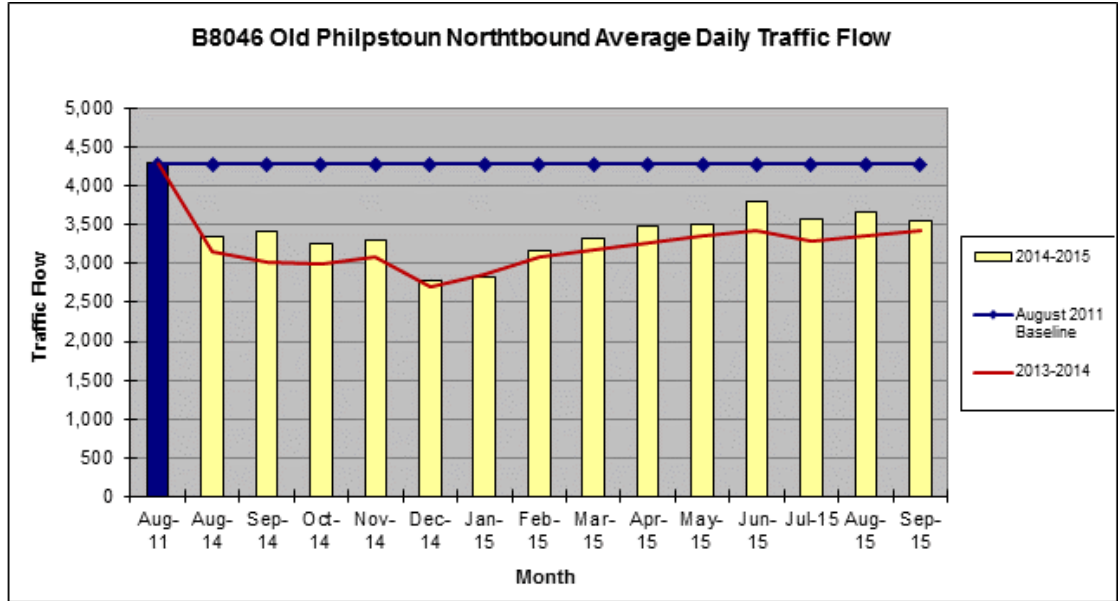


Figure 5-76 Monthly Northbound AADTs on the B8046 Old Philpstoun

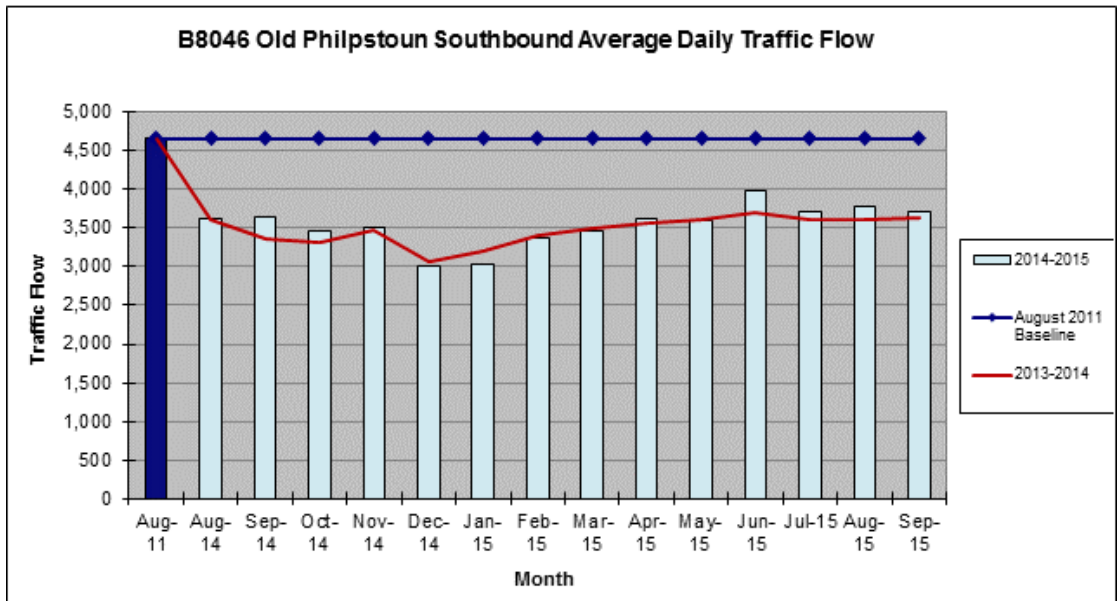


Figure 5-77 Monthly Southbound AADTs on the B8046 Old Philpstoun

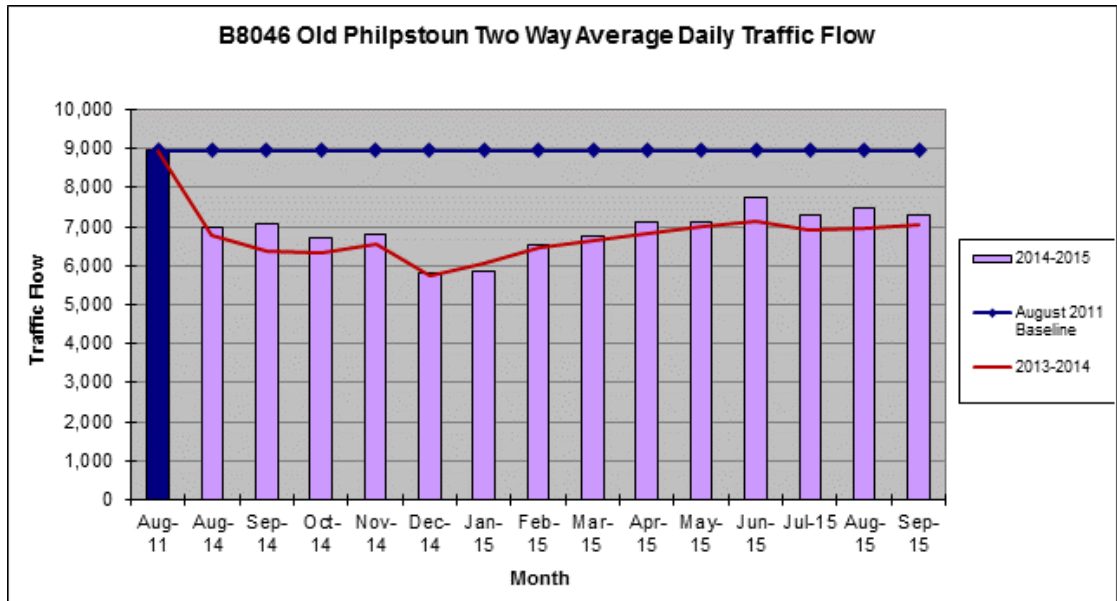


Figure 5-78 Monthly Two Way Daily Traffic Flows on the B8046 Old Philpstoun

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

Table 5-46 Site: JTC00599 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00599	B8046 Old Philpstoun	Aug-11	1,787	2,285
		Aug-14	1,373	1,819
		Sep-14	1,563	1,917
		Oct-14	1,472	1,806
		Nov-14	1,393	1,826
		Dec-14	1,075	1,514
		Jan-15	1,230	1,605
		Feb-15	1,364	1,776
		Mar-15	1,478	1,855
		Apr-15	1,412	1,920
		May-15	1,423	1,896
		Jun-15	1,644	2,061
		Jul-15	1,418	1,925
		Aug-15	1,453	1,932
Sep-15	1,525	1,971		
		<b>Annual Average</b>	<b>1,404</b>	<b>1,827</b>

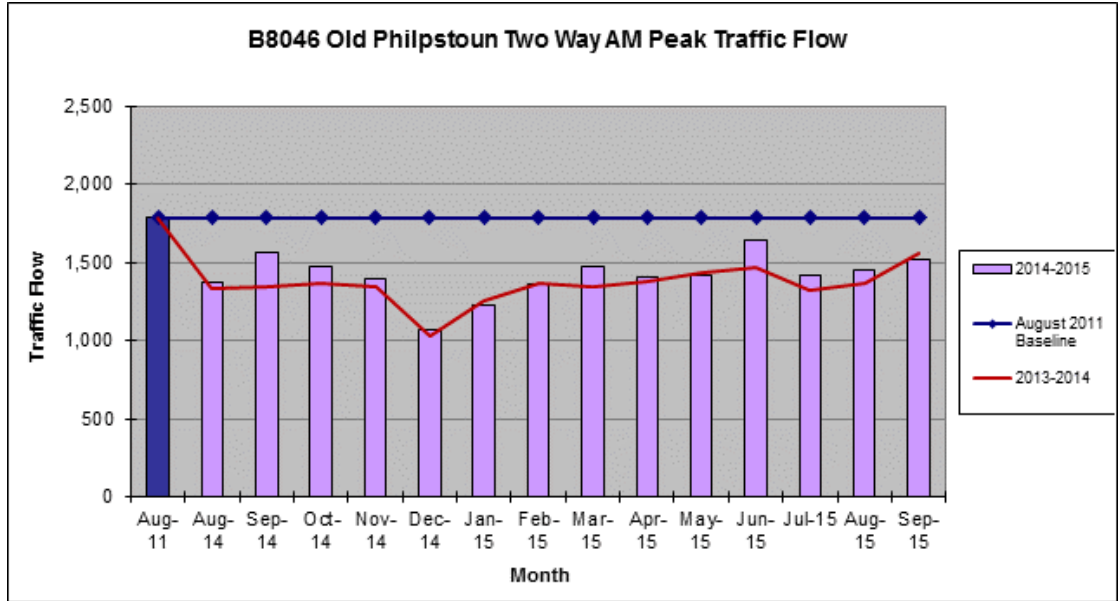


Figure 5-79 Monthly Two Way AM Peak Flows on the B8046 Old Philpstown

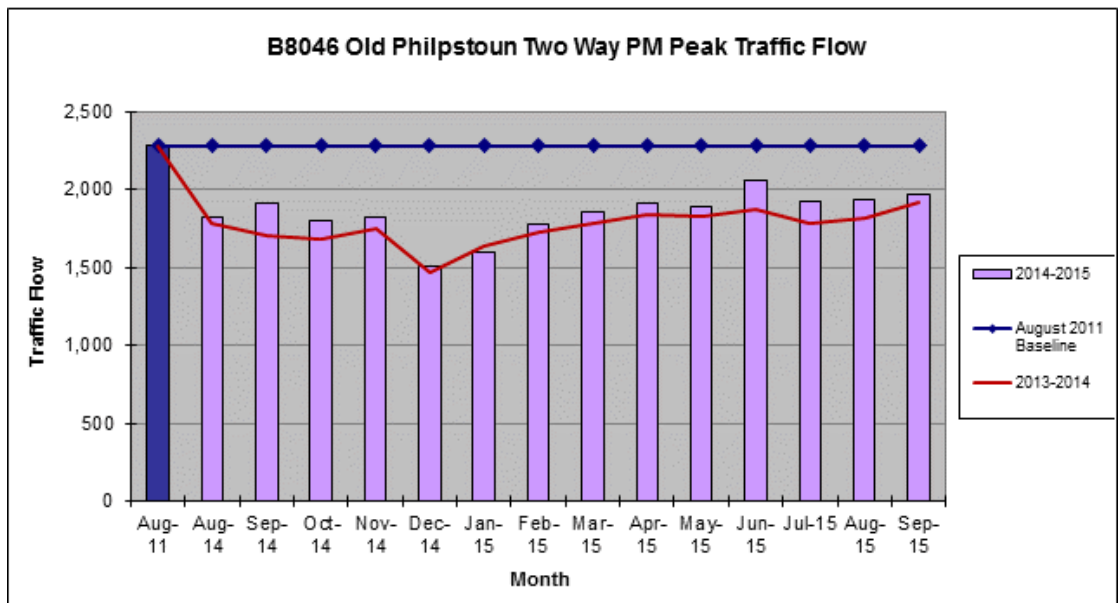


Figure 5-80 Monthly Two Way PM Peak Flows on the B8046 Old Philpstown

### 5.12.3 Monthly Average HGV Flows

Table 5-47 Site: JTC00599 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00599	B8046 Old Philpstoun	Aug-11	358
		Aug-14	108
		Sep-14	112
		Oct-14	102
		Nov-14	105
		Dec-14	82
		Jan-15	81
		Feb-15	87
		Mar-15	95
		Apr-15	91
		May-15	93
		Jun-15	110
		Jul-15	111
		Aug-15	102
		Sep-15	99
		<b>Annual Average</b>	<b>98</b>

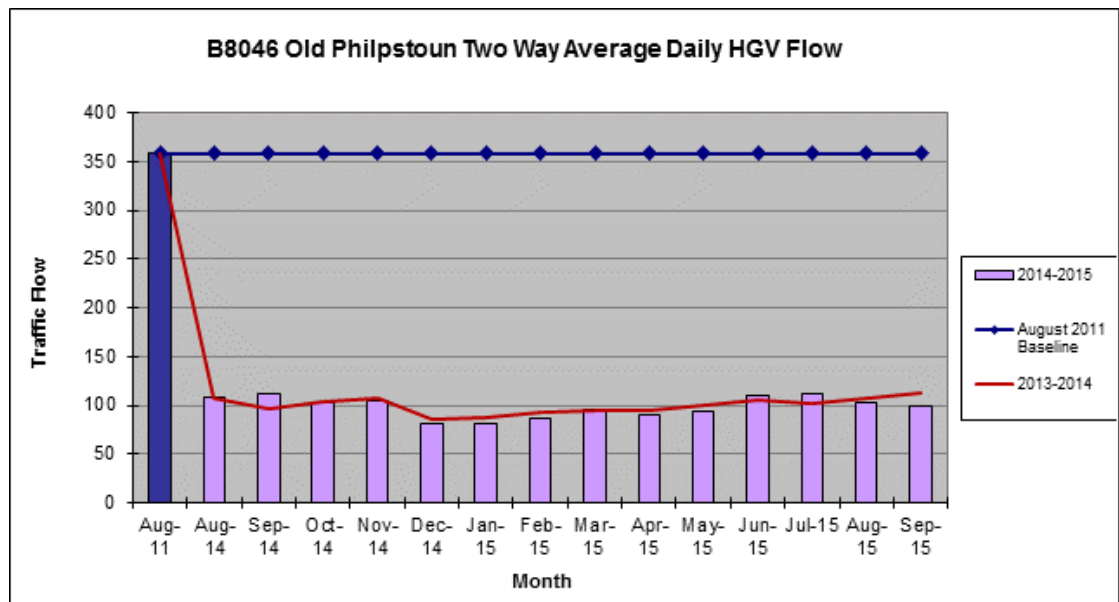


Figure 5-81 Monthly Two Way HGV Traffic Flows on the B8046 Old Philpstoun

5.12.4 Monthly Average All Vehicles Traffic Speeds

Table 5-48 Site: JTC00599 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	NB	SB
JTC00599	B8046 Old Philpstoun	Aug-14	43	54
		Sep-14	43	54
		Oct-14	43	54
		Nov-14	42	53
		Dec-14	43	53
		Jan-15	42	53
		Feb-15	43	54
		Mar-15	43	54
		Apr-15	44	54
		May-15	44	55
		Jun-15	43	54
		Jul-15	43	54
		Aug-15	43	54
		Sep-15	43	54

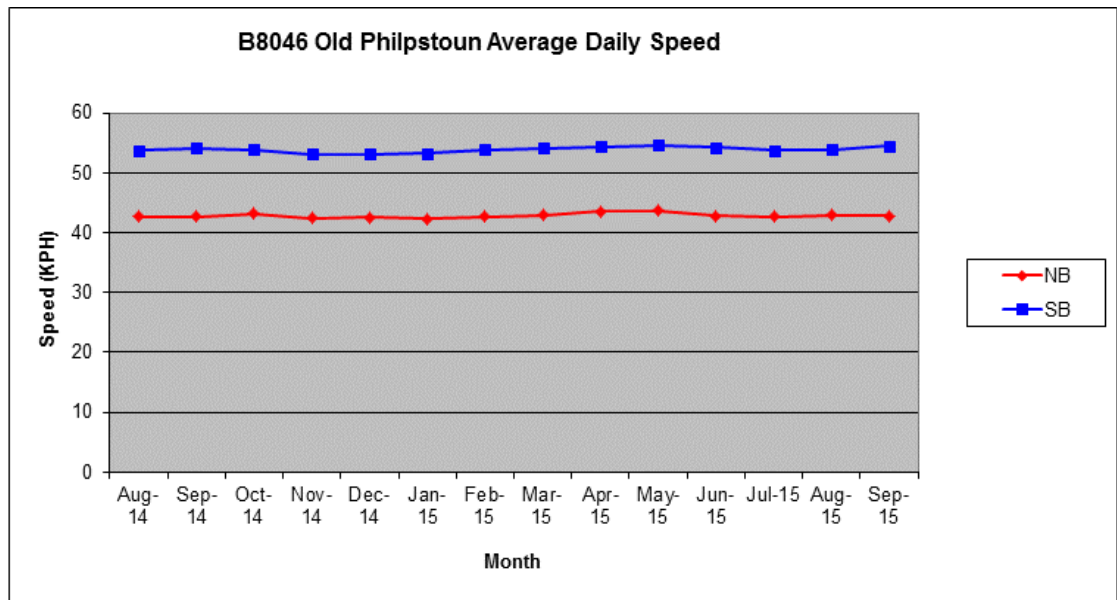


Figure 5-82 Average Monthly Traffic Speeds (KPH) on the B8046 Old Philpstoun

## 5.13 Traffic Counter JTC00600 - B8020 South of A904 Junction

### 5.13.1 Monthly Average Traffic Flows

*Table 5-49 Site: JTC00600 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	473	566	1,039
		Aug-14	529	618	1,147
		Sep-14	575	679	1,254
		Oct-14	598	679	1,276
		Nov-14	542	603	1,145
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	569	654	1,224
		Apr-15	650	741	1,391
		May-15	616	717	1,334
		Jun-15	723	840	1,563
		Jul-15	642	732	1,374
		Aug-15	664	738	1,402
		Sep-15	616	715	1,331
			<b>Annual Average</b>	<b>605</b>	<b>696</b>

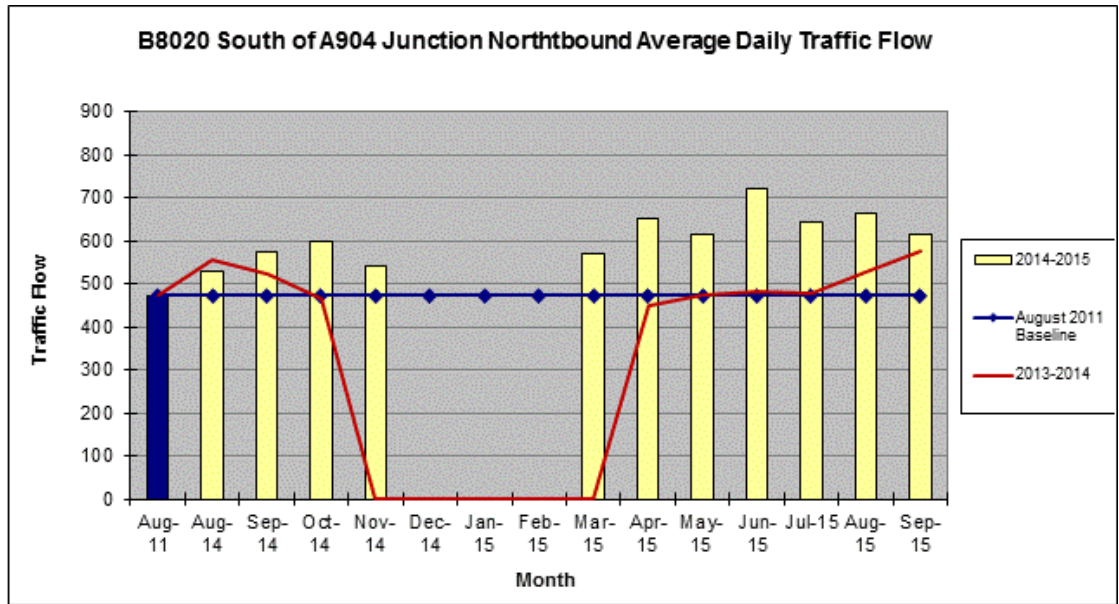


Figure 5-83 Monthly Northbound AADTs on the B8020 South of A904 Junction

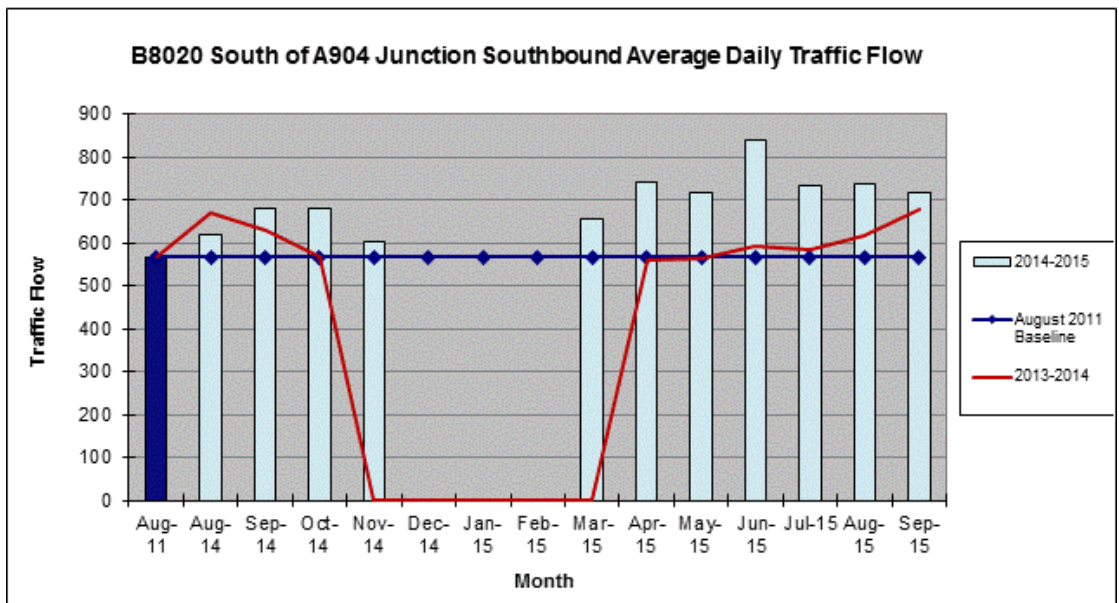


Figure 5-84 Monthly Southbound AADTs on the B8020 South of A904 Junction



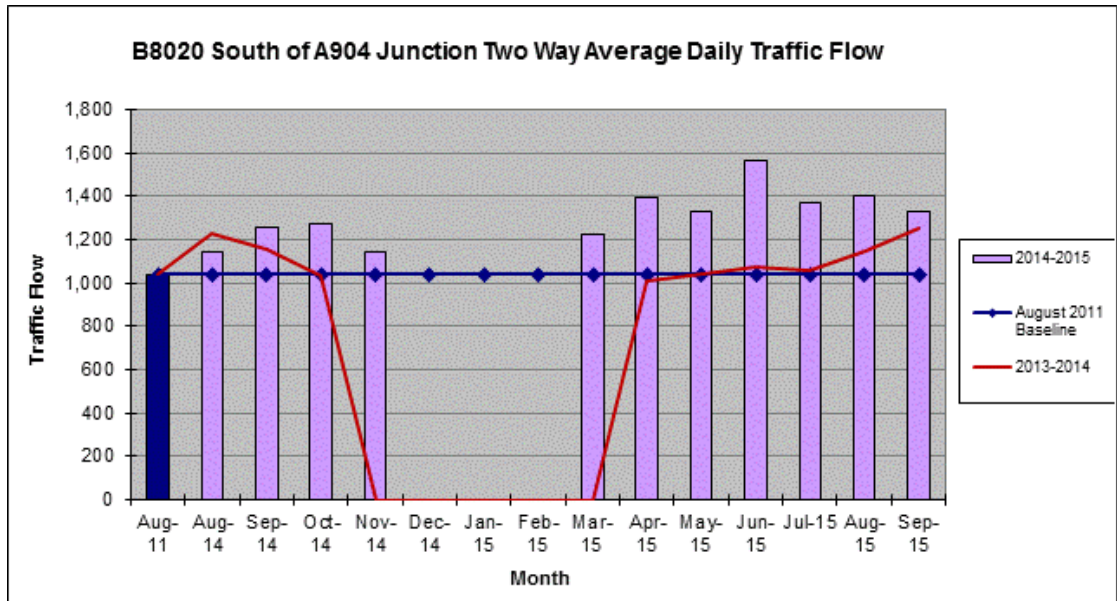


Figure 5-85 Monthly Two Way Daily Traffic Flows on the B8020 South of A904 Junction

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

Table 5-50 Site: JTC00600 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00600	B8020 South of A904 Junction	Aug-11	184	253
		Aug-14	211	276
		Sep-14	253	300
		Oct-14	267	331
		Nov-14	232	289
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	268	287
		Apr-15	274	323
		May-15	249	297
		Jun-15	329	372
		Jul-15	254	326
		Aug-15	256	360
Sep-15	275	341		
	<b>Annual Average</b>	<b>260</b>	<b>311</b>	

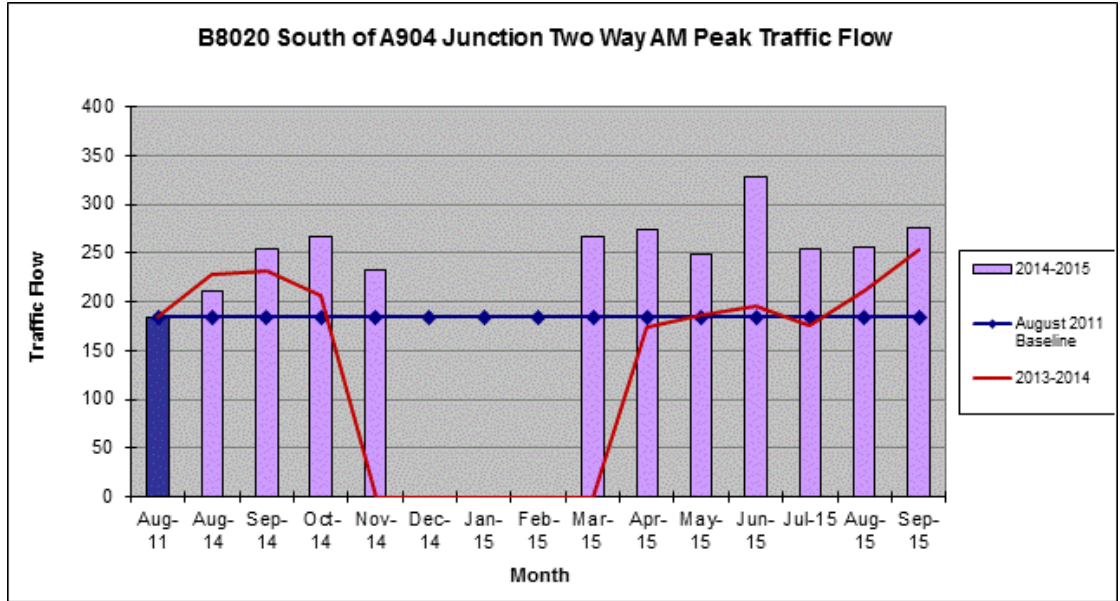


Figure 5-86 Monthly Two Way AM Peak Flows on the B8020 South of A904 Junction

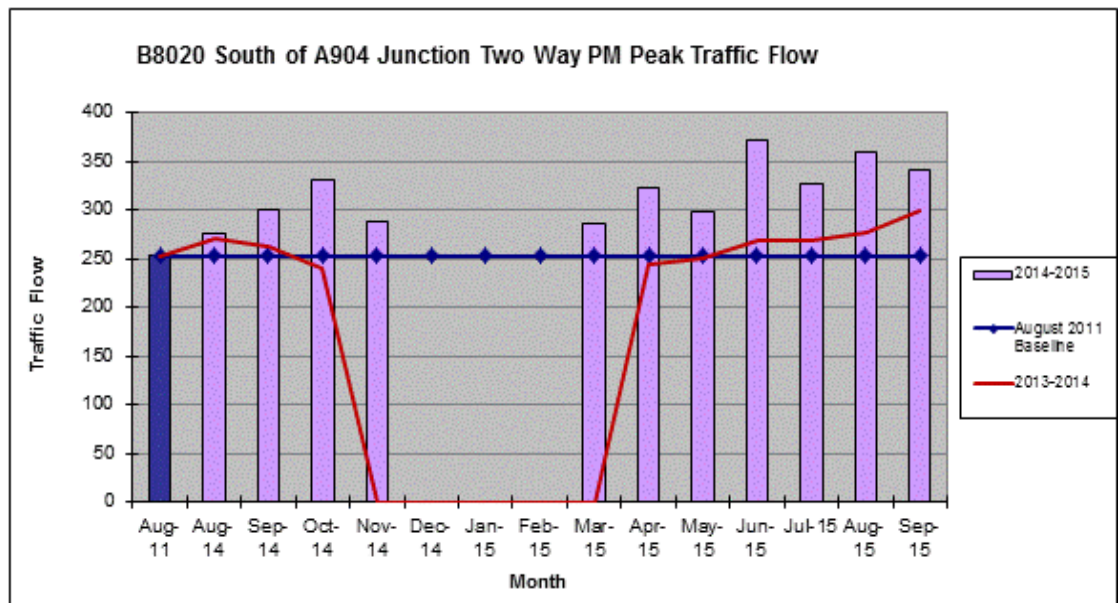


Figure 5-87 Monthly Two Way PM Peak Flows on the B8020 South of A904 Junction

### 5.13.3 Monthly Average HGV Flows

Table 5-51 Site: JTC00600 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00600	B8020 South of A904 Junction	Aug-11	1
		Aug-14	3
		Sep-14	4
		Oct-14	7
		Nov-14	3
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	No Data
		Mar-15	2
		Apr-15	3
		May-15	4
		Jun-15	5
		Jul-15	4
		Aug-15	3
		Sep-15	3

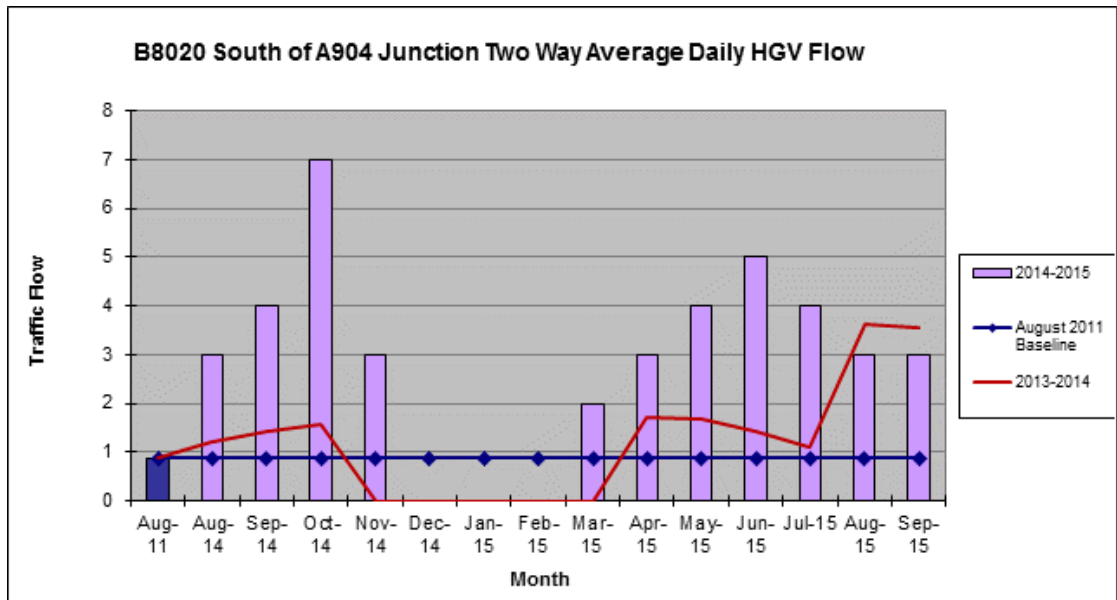
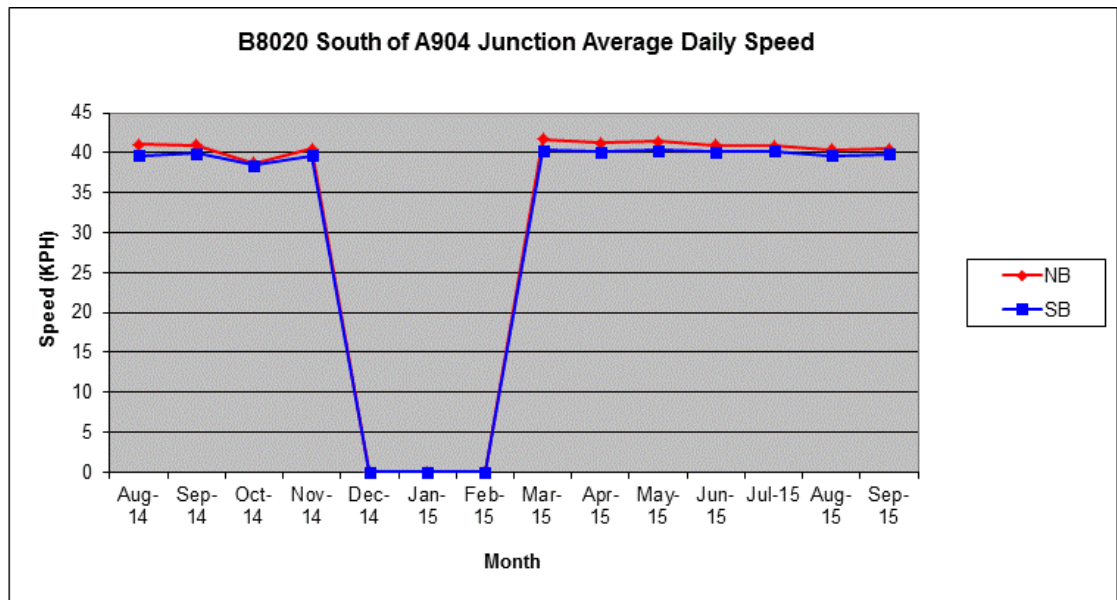


Figure 5-88 Monthly Two Way HGV Traffic Flows on the B8020 South of A904 Junction

### 5.13.4 Monthly Average All Vehicles Traffic Speeds

**Table 5-52 Site: JTC00600 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00600	B8020 South of A904 Junction	Aug-14	41	40
		Sep-14	41	40
		Oct-14	39	38
		Nov-14	41	40
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	42	40
		Apr-15	41	40
		May-15	41	40
		Jun-15	41	40
		Jul-15	41	40
		Aug-15	40	40
		Sep-15	40	40



**Figure 5-89 Average Monthly Traffic Speeds (KPH) on the B8020 South of A904 Junction**

## 5.14 Traffic Counter JTC00601 - B800 New Liston Road

### 5.14.1 Monthly Average Traffic Flows

*Table 5-53 Site: JTC00601 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	EB	WB	Two Way
JTC00601	B800 New Liston Road	Aug-11	4,339	4,131	8,470
		Aug-14	4,584	4,152	8,737
		Sep-14	4,596	4,209	8,805
		Oct-14	3,852	3,623	7,475
		Nov-14	3,780	3,553	7,333
		Dec-14	3,491	3,230	6,721
		Jan-15	3,435	3,245	6,681
		Feb-15	4,104	3,812	7,916
		Mar-15	4,209	3,928	8,138
		Apr-15	4,060	3,755	7,815
		May-15	4,257	3,883	8,140
		Jun-15	4,349	4,165	8,514
		Jul-15	4,189	3,950	8,139
		Aug-15	4,255	4,023	8,278
		Sep-15	4,415	4,122	8,537
		<b>Annual Average</b>	<b>4,076</b>	<b>3,792</b>	<b>7,868</b>



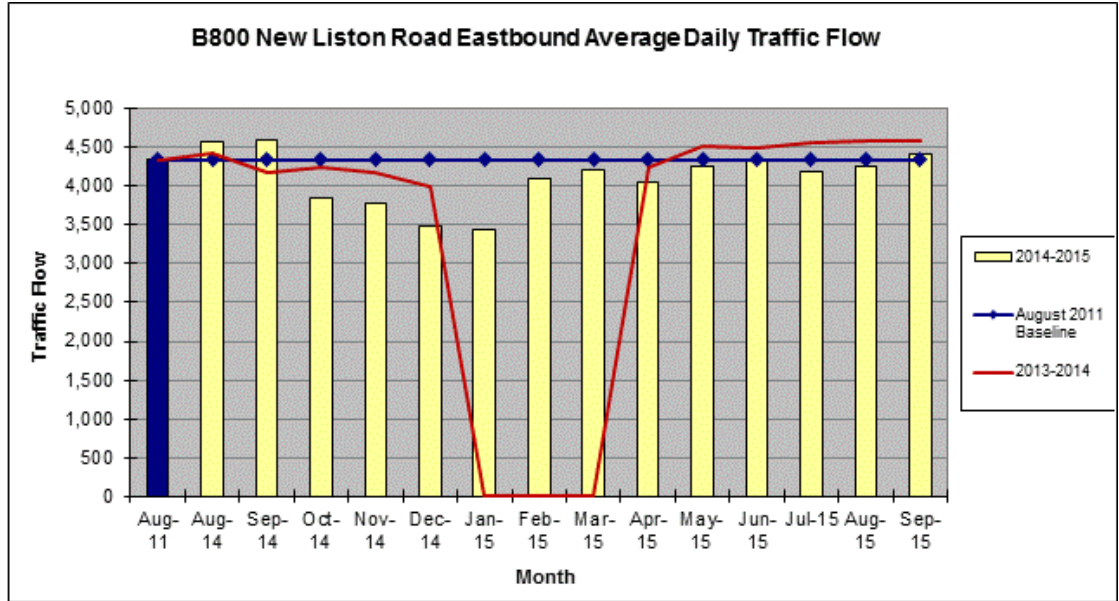


Figure 5-90 Monthly Eastbound AADTs on the B800 New Liston Road

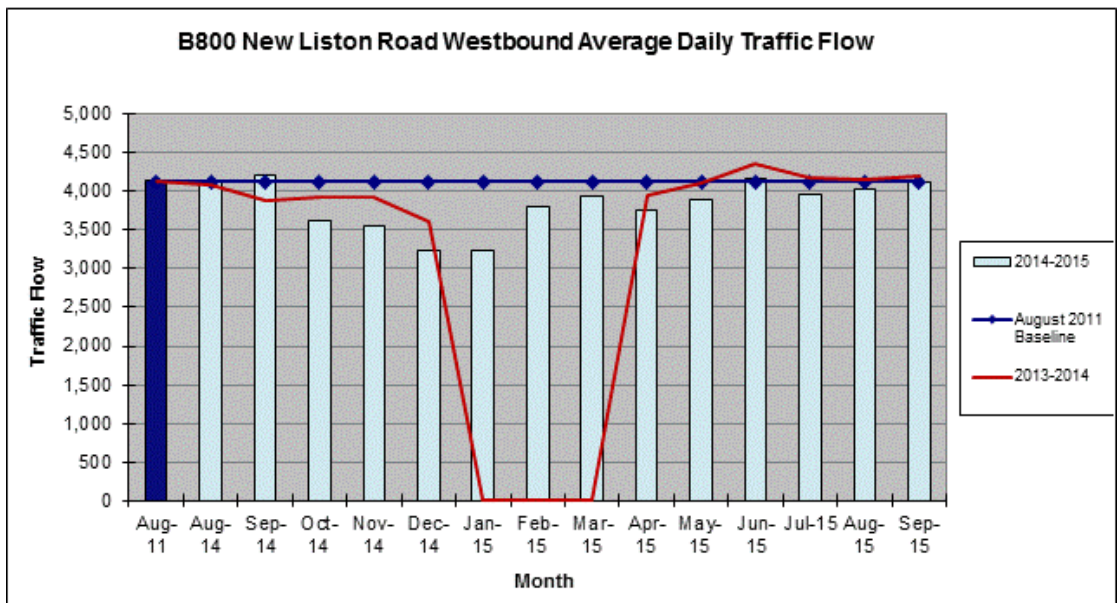


Figure 5-91 Monthly Westbound AADTs on the B800 New Liston Road

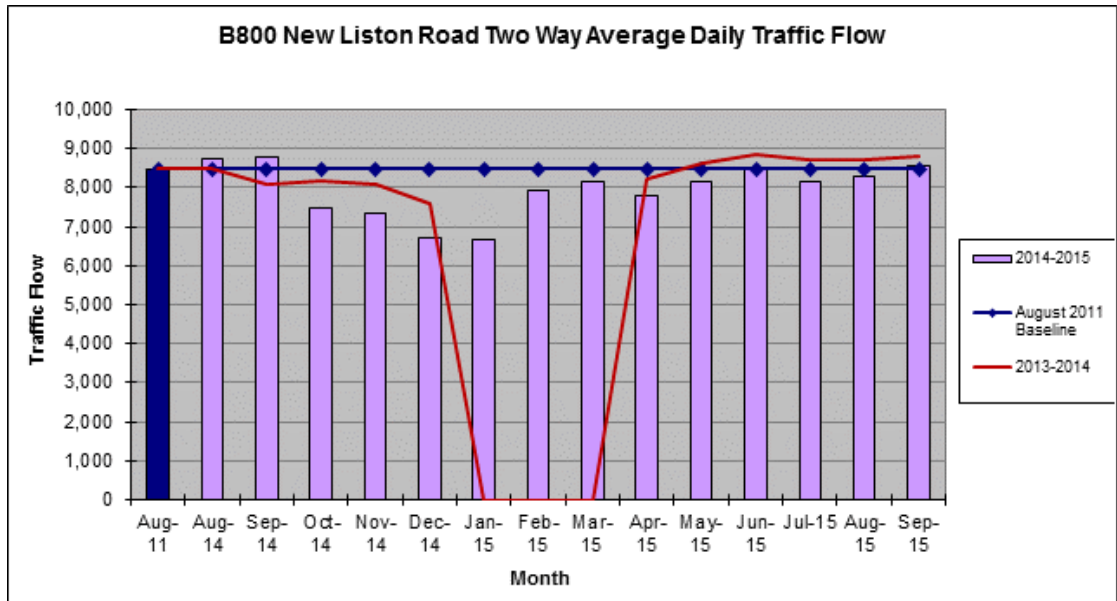


Figure 5-92 Monthly Two Way Daily Traffic Flows on the B800 New Liston Road

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

Table 5-54 Site: JTC00601 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00601	B800 New Liston Road	Aug-11	1,504	2,246
		Aug-14	1,446	2,263
		Sep-14	1,641	2,297
		Oct-14	1,270	1,777
		Nov-14	1,053	1,769
		Dec-14	881	1,601
		Jan-15	967	1,719
		Feb-15	1,224	2,033
		Mar-15	1,263	2,068
		Apr-15	1,281	1,956
		May-15	1,320	1,984
		Jun-15	1,467	2,071
		Jul-15	1,330	1,978
		Aug-15	1,334	1,981
Sep-15	1,557	2,085		
		<b>Annual Average</b>	<b>1,262</b>	<b>1,960</b>

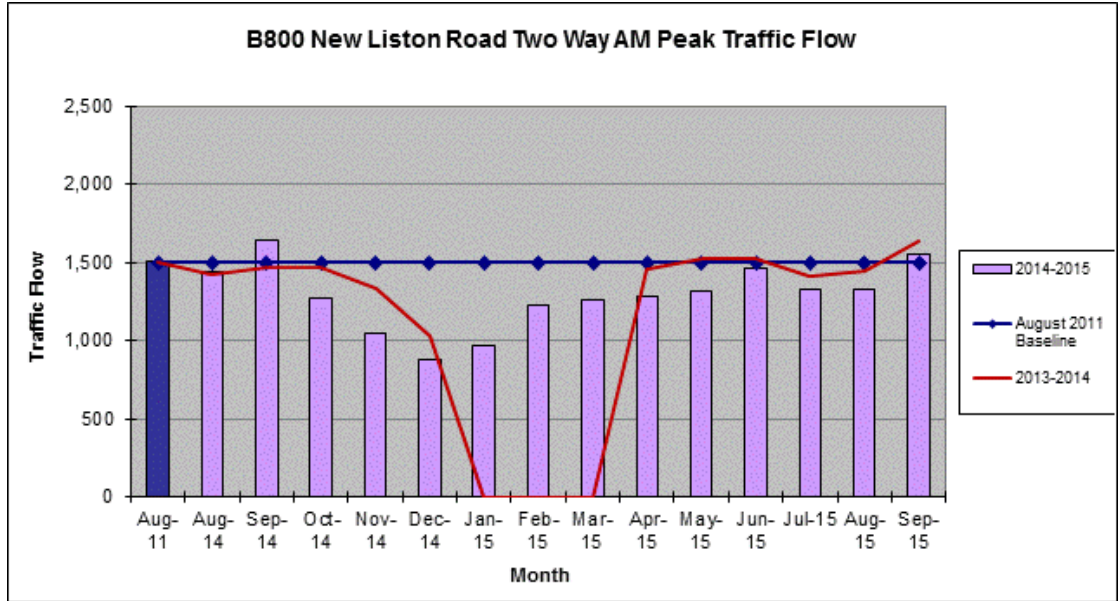


Figure 5-93 Monthly Two Way AM Peak Flows on the B800 New Liston Road

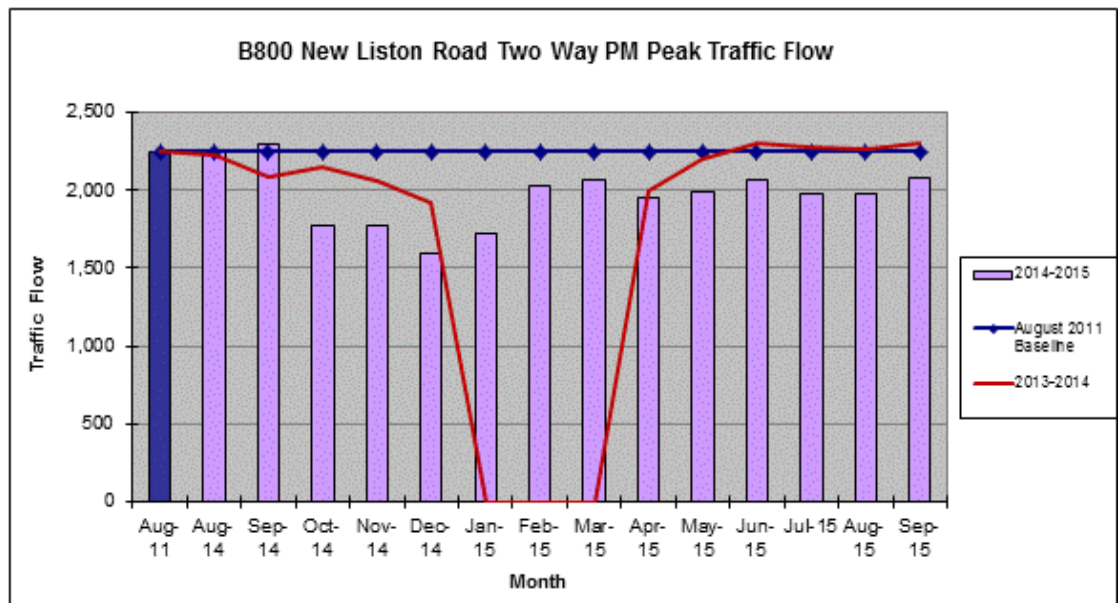


Figure 5-94 Monthly Two Way PM Peak Flows on the B800 New Liston Road



### 5.14.3 Monthly Average HGV Flows

Table 5-55 Site: JTC00601 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00601	B800 New Liston Road	Aug-11	130
		Aug-14	131
		Sep-14	143
		Oct-14	135
		Nov-14	133
		Dec-14	112
		Jan-15	113
		Feb-15	128
		Mar-15	131
		Apr-15	130
		May-15	140
		Jun-15	150
		Jul-15	144
		Aug-15	146
		Sep-15	170
		<b>Annual Average</b>	<b>133</b>

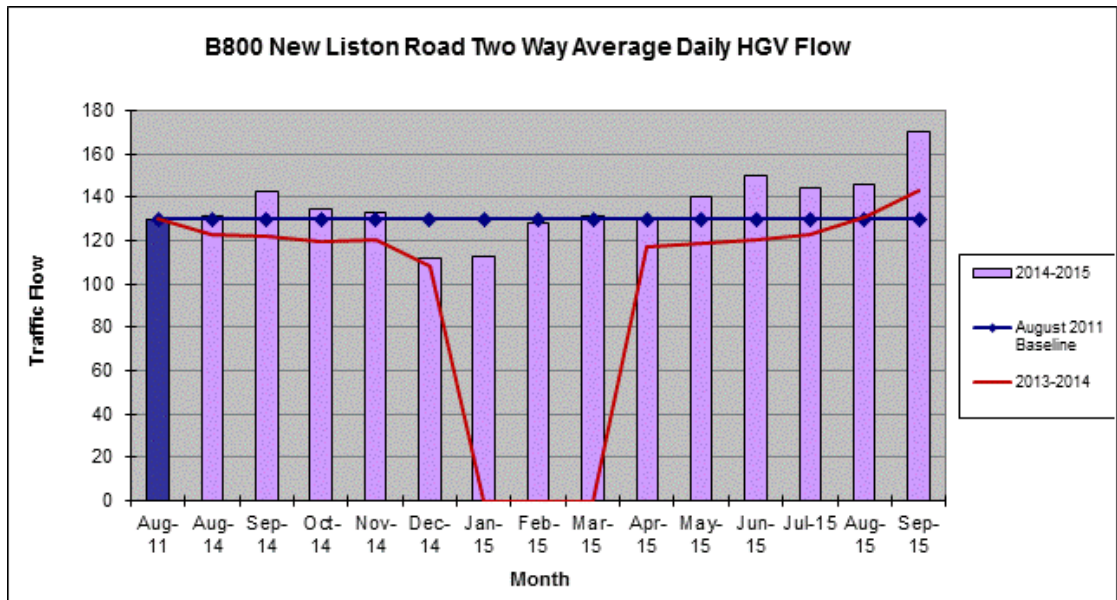


Figure 5-95 Monthly Two Way HGV Traffic Flows on the B800 New Liston Road

5.14.4 Monthly Average All Vehicles Traffic Speeds

Table 5-56 Site: JTC00601 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	EB	WB
JTC00601	B800 New Liston Road	Aug-14	68	65
		Sep-14	68	66
		Oct-14	68	66
		Nov-14	67	65
		Dec-14	66	64
		Jan-15	66	64
		Feb-15	67	65
		Mar-15	68	65
		Apr-15	69	66
		May-15	69	66
		Jun-15	68	65
		Jul-15	68	65
		Aug-15	68	65
Sep-15	69	66		

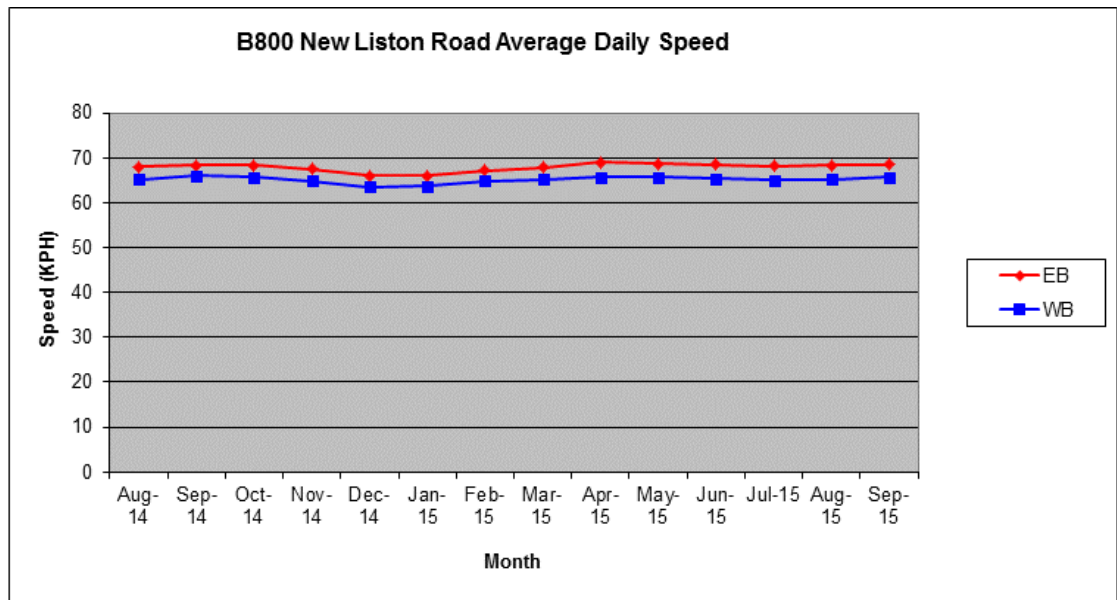


Figure 5-96 Average Monthly Traffic Speeds (KPH) on the B800 New Liston Road

## 5.15 Traffic Counter JTC00603 - B907 Kirkliston Road (South Queensferry)

### 5.15.1 Monthly Average Traffic Flows

Table 5-57 Site: JTC00603 Annual Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB	SB	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	4,479	4,575	9,053
		Aug-14	4,518	4,673	9,191
		Sep-14	4,741	4,800	9,541
		Oct-14	4,477	4,664	9,141
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	4,403	4,450	8,853
		Mar-15	4,773	4,805	9,578
		Apr-15	4,749	4,762	9,511
		May-15	4,833	4,802	9,634
		Jun-15	4,883	4,927	9,810
		Jul-15	4,323	4,490	8,813
		Aug-15	4,707	4,961	9,668
		Sep-15	4,562	4,798	9,360
	<b>Annual Average</b>		<b>4,633</b>	<b>4,708</b>	<b>9,341</b>

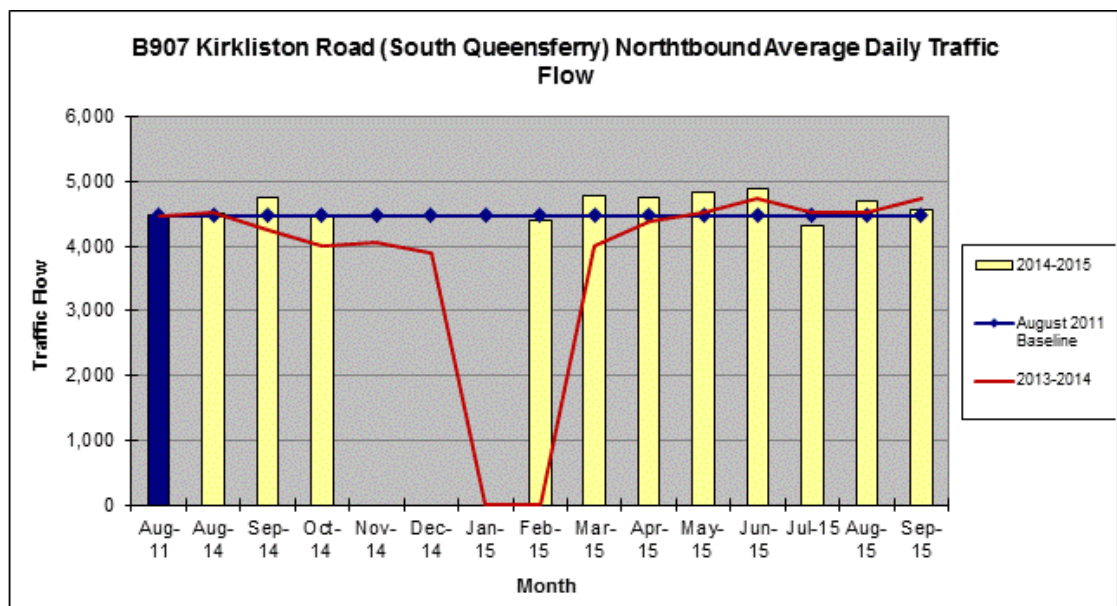


Figure 5-97 Monthly Northbound AADTs on the B907 Kirkliston Road (South Queensferry)

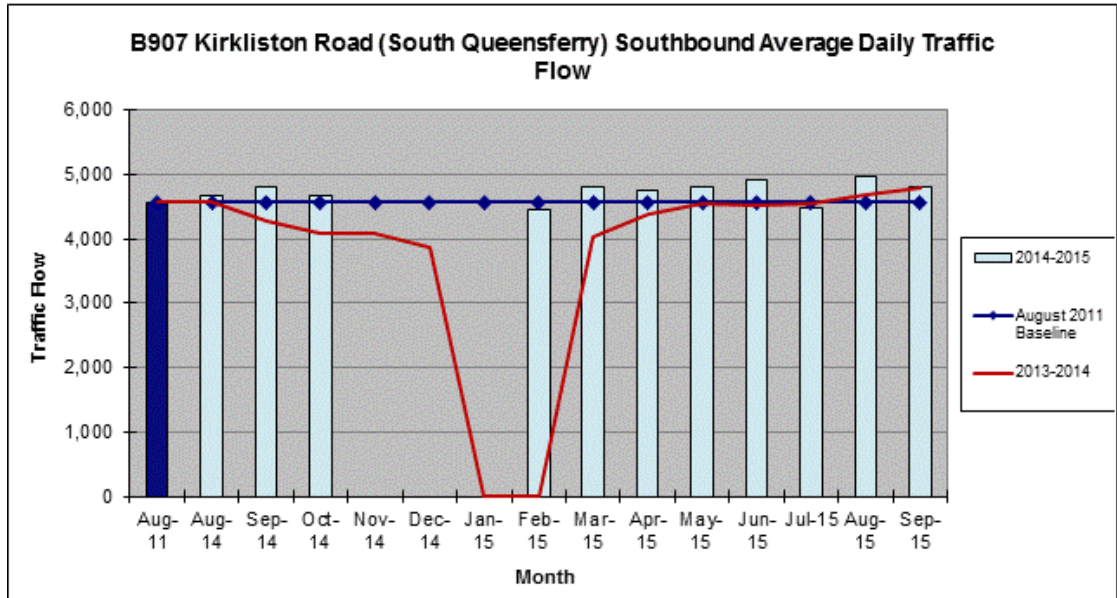


Figure 5-98 Monthly Southbound AADTs on the B907 Kirkliston Road (South Queensferry)

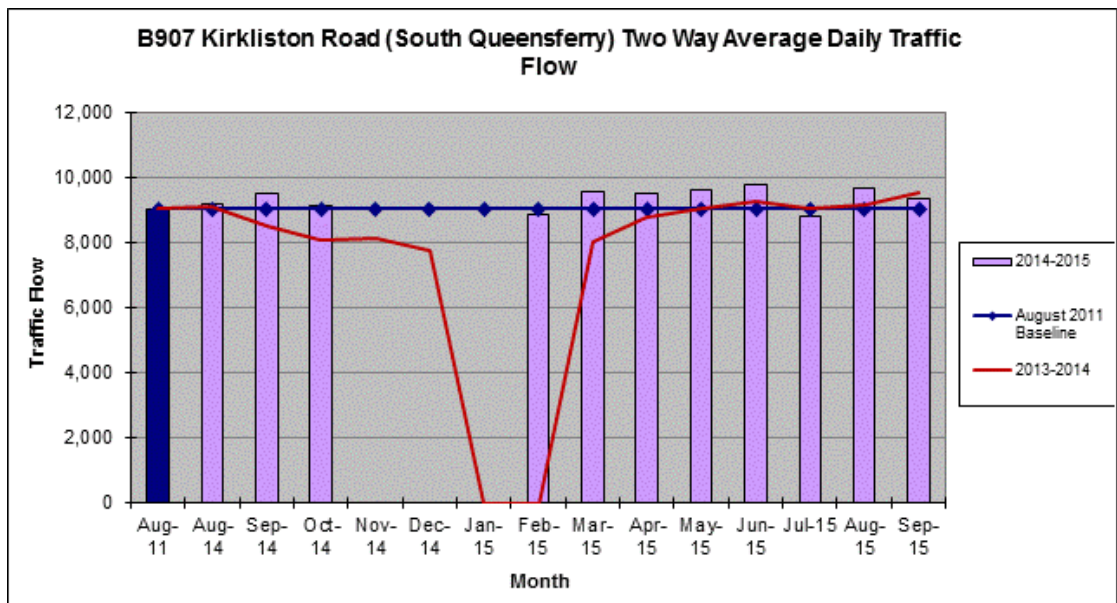


Figure 5-99 Monthly Two Way Daily Traffic Flows on the B907 Kirkliston Road (South Queensferry)

5.15.2 Monthly Average AM and PM Peak Traffic Flows

Table 5-58 Site: JTC00603 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	1,247	2,232
		Aug-14	1,248	2,280
		Sep-14	1,372	2,379
		Oct-14	1,354	2,170
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	1,001	2,183
		Mar-15	1,140	2,260
		Apr-15	1,287	2,307
		May-15	1,352	2,315
		Jun-15	1,403	2,403
		Jul-15	1,164	2,167
		Aug-15	1,262	2,464
		Sep-15	1,364	2,400
	<b>Annual Average</b>	<b>1,258</b>	<b>2,274</b>	

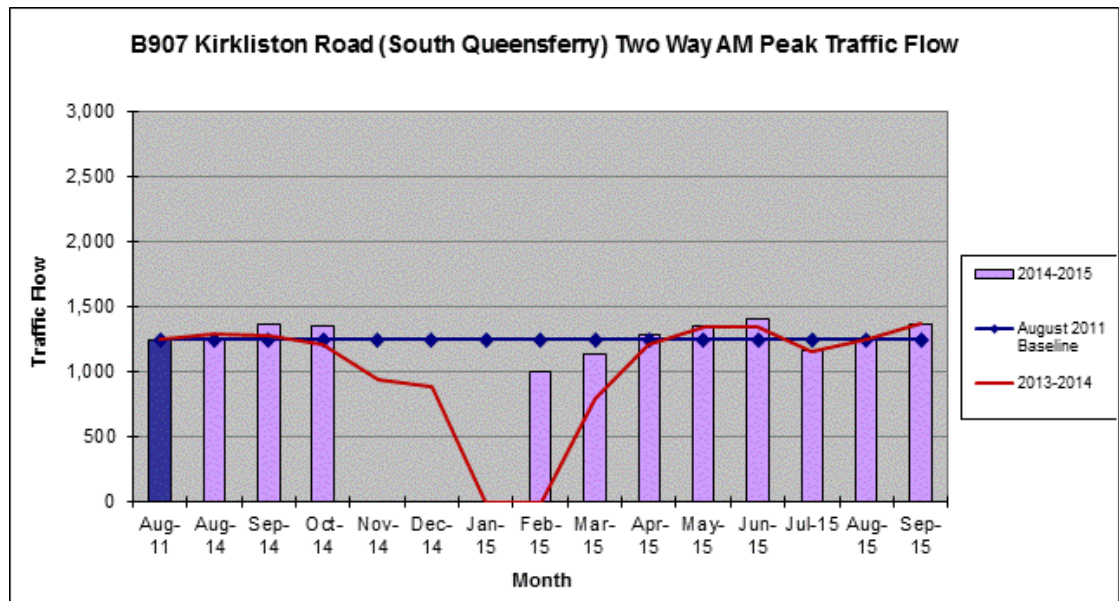


Figure 5-100 Monthly Two Way AM Peak Flows on the B907 Kirkliston Road (South Queensferry)



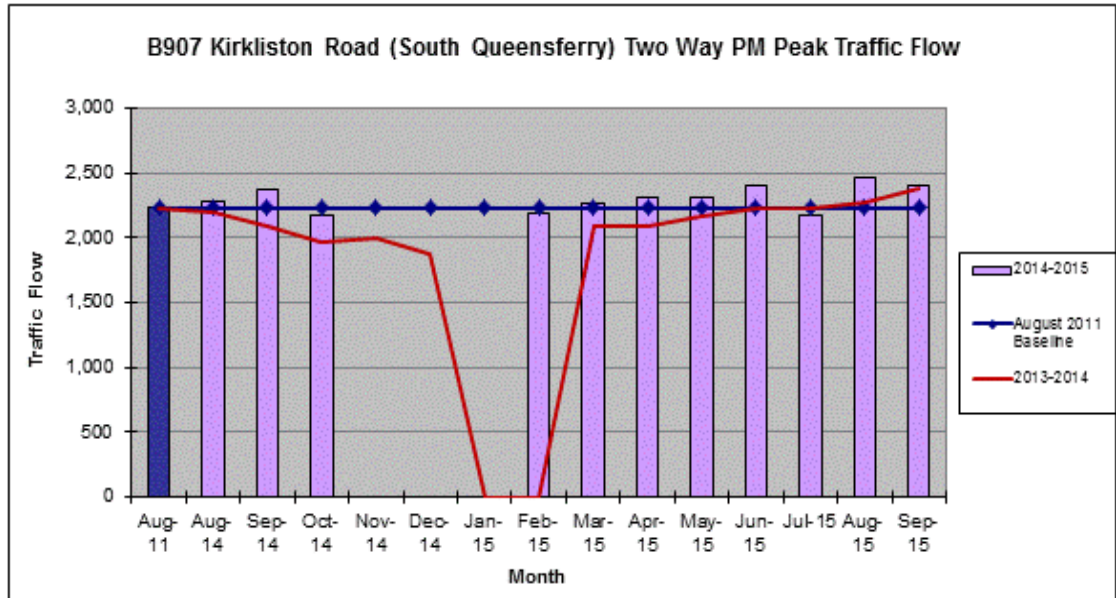


Figure 5-101 Monthly Two Way PM Peak Flows on the B907 Kirkliston Road (South Queensferry)

### 5.15.3 Monthly Average HGV Flows

Table 5-59 Site: JTC00603 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-11	59
		Aug-14	154
		Sep-14	156
		Oct-14	151
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	139
		Mar-15	147
		Apr-15	145
		May-15	146
		Jun-15	150
		Jul-15	152
		Aug-15	146
Sep-15	149		
<b>Annual Average</b>			<b>149</b>

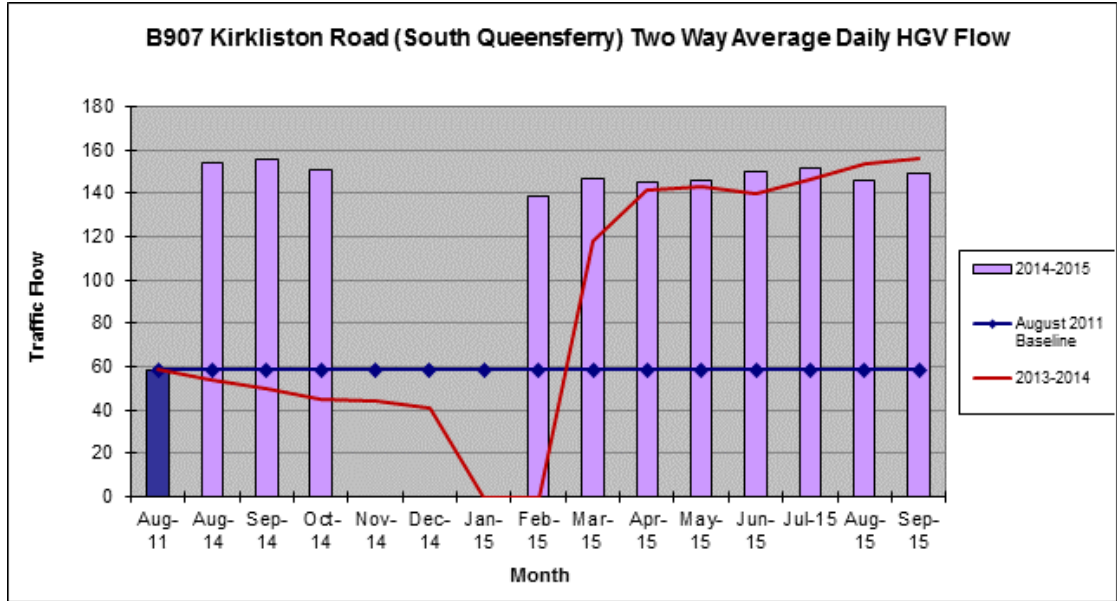


Figure 5-102 Monthly Two Way HGV Traffic Flows on the B907 Kirkliston Road (South Queensferry)

### 5.15.4 Monthly Average All Vehicles Traffic Speeds

Table 5-60 Site: JTC00603 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	NB	SB
JTC00603	B907 Kirkliston Road (South Queensferry)	Aug-14	44	44
		Sep-14	43	43
		Oct-14	43	42
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	44	44
		Mar-15	44	44
		Apr-15	44	44
		May-15	44	44
		Jun-15	44	44
		Jul-15	43	45
		Aug-15	44	44
Sep-15	44	44		

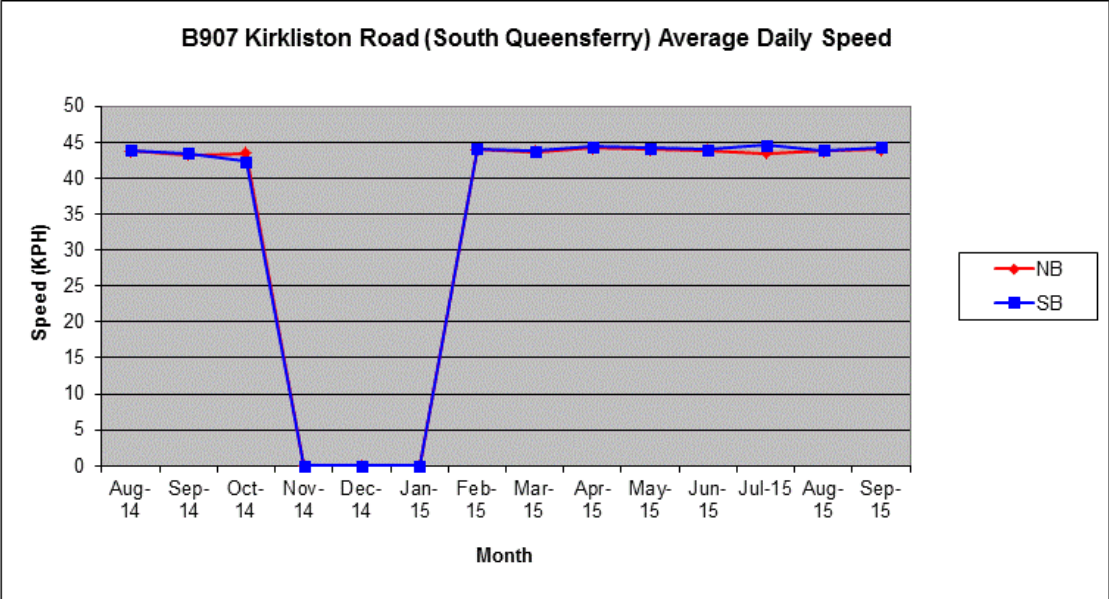


Figure 5-103 Average Monthly Traffic Speeds (KPH) on the B907 Kirkliston Road (South Queensferry)



## 6 Other Roads – Automatic Traffic Counter Data

### 6.1 Traffic Counter JTC00392 - Hillend Road (West of Inverkeithing)

Summary of statistics between August 2014 and September 2015:

- HGV flows show an unusual peak in October 2014

#### 6.1.1 Monthly Average Traffic Flows

**Table 6-1 Site: JTC00392 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB	WB	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	1,407	1,074	2,481
		Aug-14	1,282	1,033	2,315
		Sep-14	1,590	1,233	2,823
		Oct-14	1,370	1,115	2,486
		Nov-14	1,476	1,203	2,680
		Dec-14	1,595	1,323	2,918
		Jan-15	1,465	1,230	2,695
		Feb-15	1,497	1,257	2,753
		Mar-15	1,434	1,179	2,614
		Apr-15	1,332	1,106	2,438
		May-15	1,484	1,218	2,703
		Jun-15	1,445	1,189	2,633
		Jul-15	1,234	1,022	2,256
		Aug-15	1,390	1,116	2,506
		Sep-15	1,526	1,200	2,726
		<b>Annual Average</b>	<b>1,434</b>	<b>1,176</b>	<b>2,609</b>

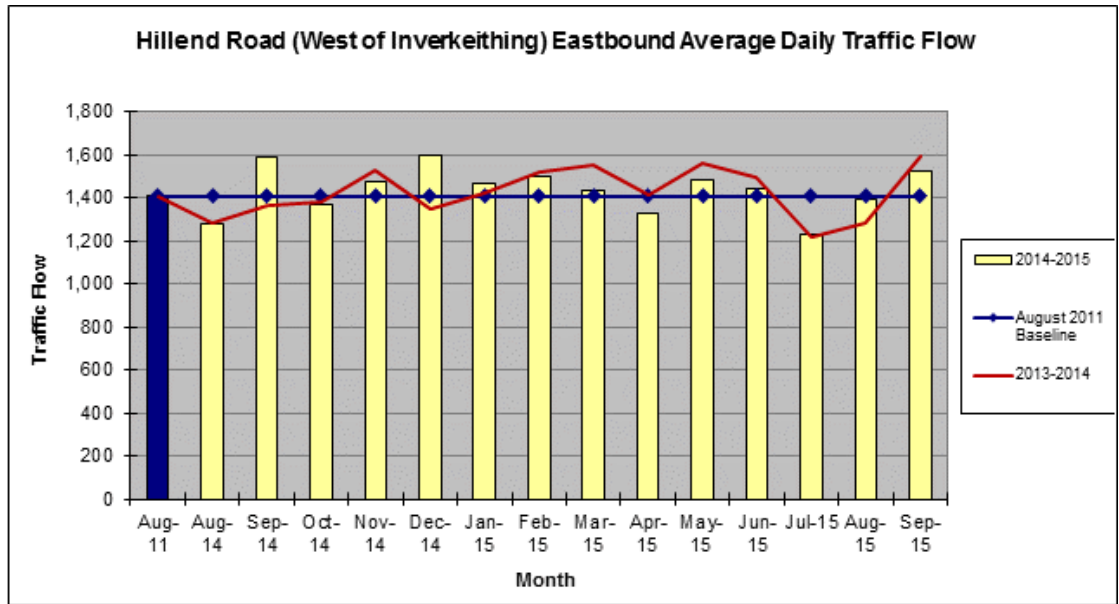


Figure 6-1 Monthly Eastbound AADTs on the Hillend Road (West of Inverkeithing)

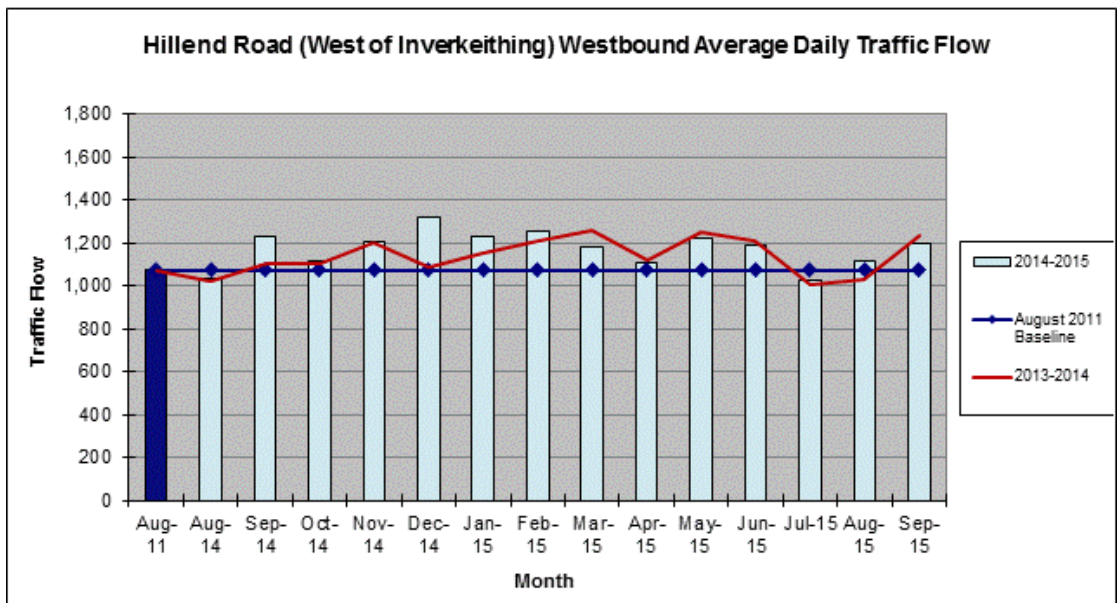


Figure 6-2 Monthly Westbound AADTs on the Hillend Road (West of Inverkeithing)

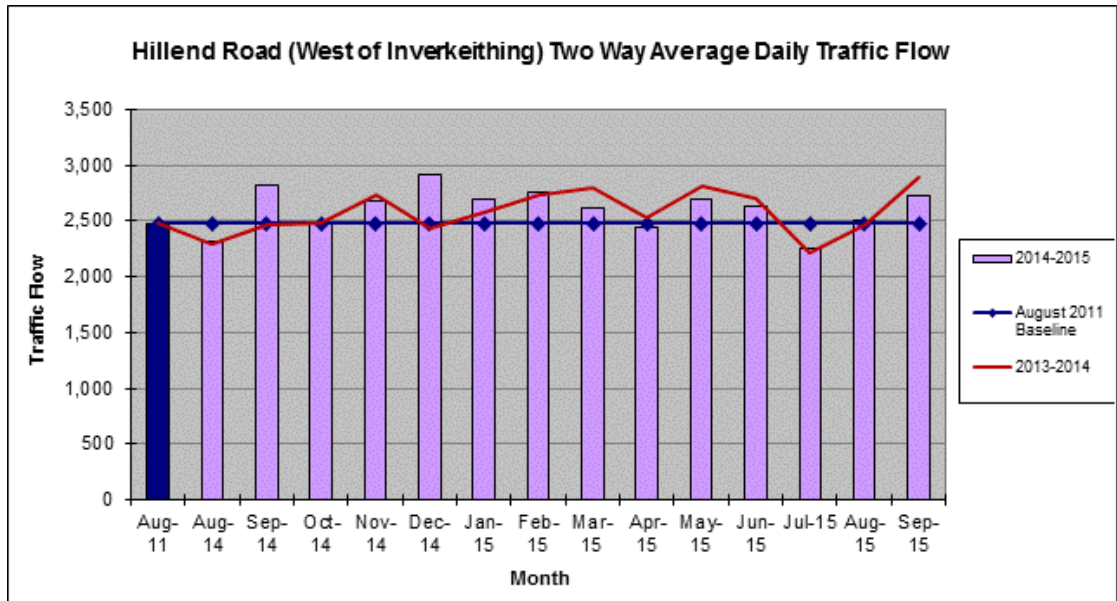


Figure 6-3 Monthly Two Way Daily Traffic Flows on the Hillend Road (West of Inverkeithing)

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

Table 6-2 Site: JTC00392 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	411	639
		Aug-14	336	630
		Sep-14	534	793
		Oct-14	423	645
		Nov-14	536	716
		Dec-14	637	750
		Jan-15	553	722
		Feb-15	560	735
		Mar-15	484	690
		Apr-15	399	656
		May-15	470	724
		Jun-15	444	682
		Jul-15	327	610
		Aug-15	391	686
Sep-15	484	760		
	<b>Annual Average</b>	<b>475</b>	<b>696</b>	

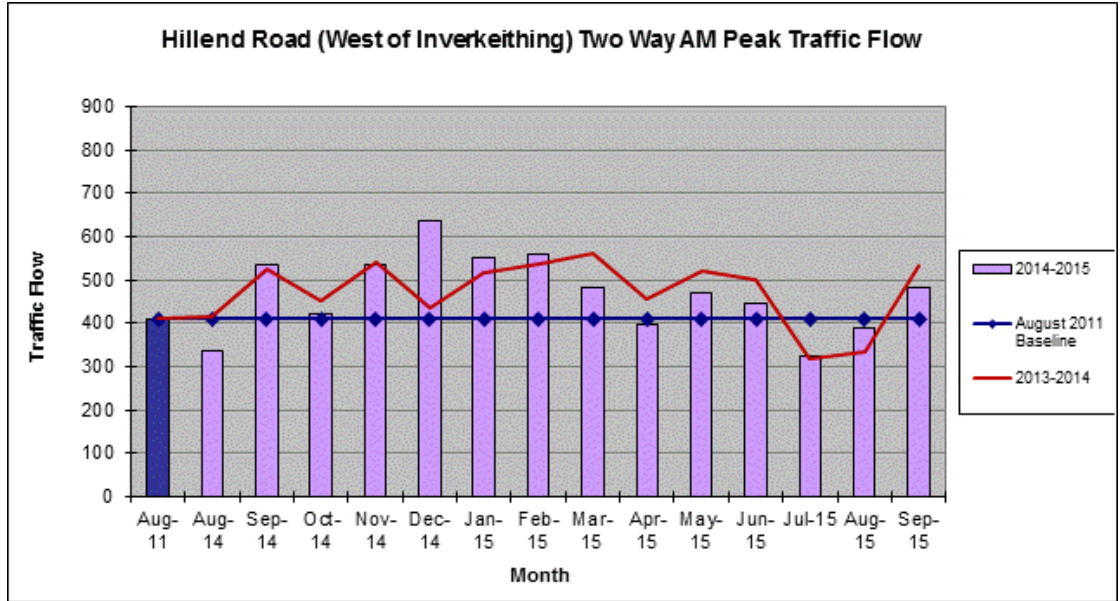


Figure 6-4 Monthly Two Way AM Peak Flows on the Hillend Road (West of Inverkeithing)

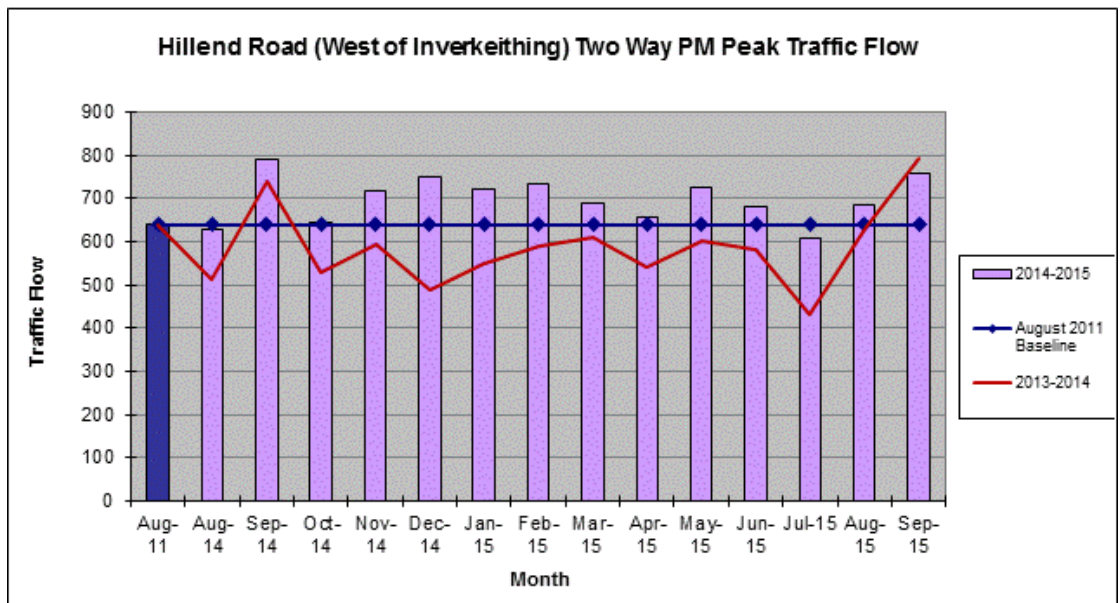


Figure 6-5 Monthly Two Way PM Peak Flows on the Hillend Road (West of Inverkeithing)

### 6.1.3 Monthly Average HGV Flows

Table 6-3 Site: JTC00392 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00392	Hillend Road (West of Inverkeithing)	Aug-11	82
		Aug-14	54
		Sep-14	109
		Oct-14	184
		Nov-14	72
		Dec-14	102
		Jan-15	80
		Feb-15	79
		Mar-15	75
		Apr-15	82
		May-15	84
		Jun-15	77
		Jul-15	76
		Aug-15	73
		Sep-15	76
		<b>Annual Average</b>	<b>90</b>

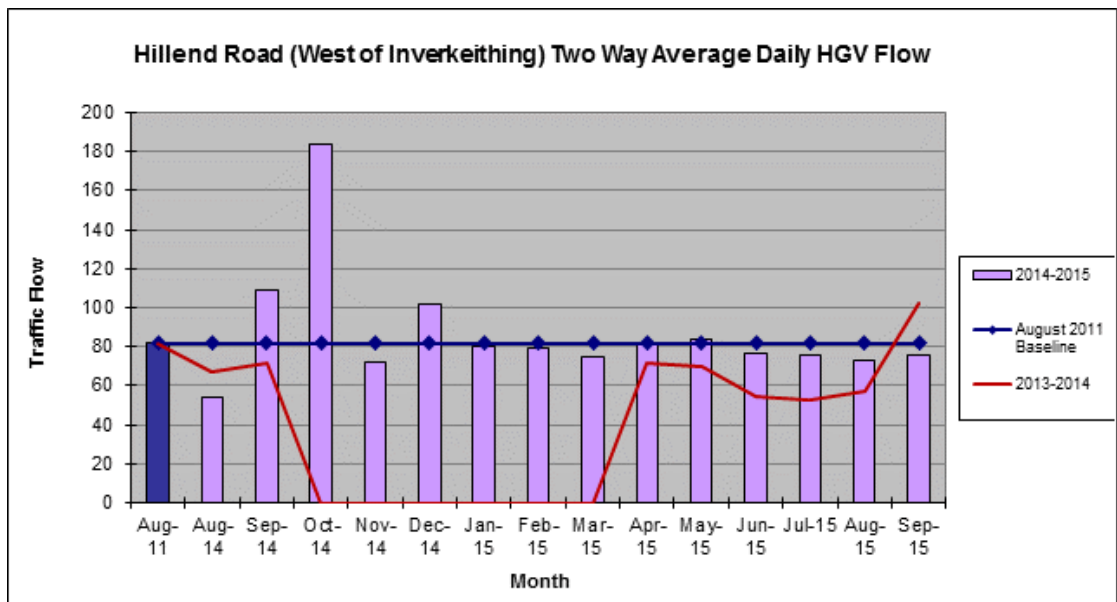


Figure 6-6 Monthly Two Way HGV Traffic Flows on the Hillend Road (West of Inverkeithing)

6.1.4 Monthly Average All Vehicles Traffic Speeds

Table 6-4 Site: JTC00392 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	EB	WB
JTC00392	Hillend Road (West of Inverkeithing)	Aug-14	49	50
		Sep-14	48	48
		Oct-14	45	47
		Nov-14	47	48
		Dec-14	47	46
		Jan-15	46	47
		Feb-15	47	48
		Mar-15	47	48
		Apr-15	50	50
		May-15	48	49
		Jun-15	48	49
		Jul-15	51	51
		Aug-15	50	50
		Sep-15	48	48

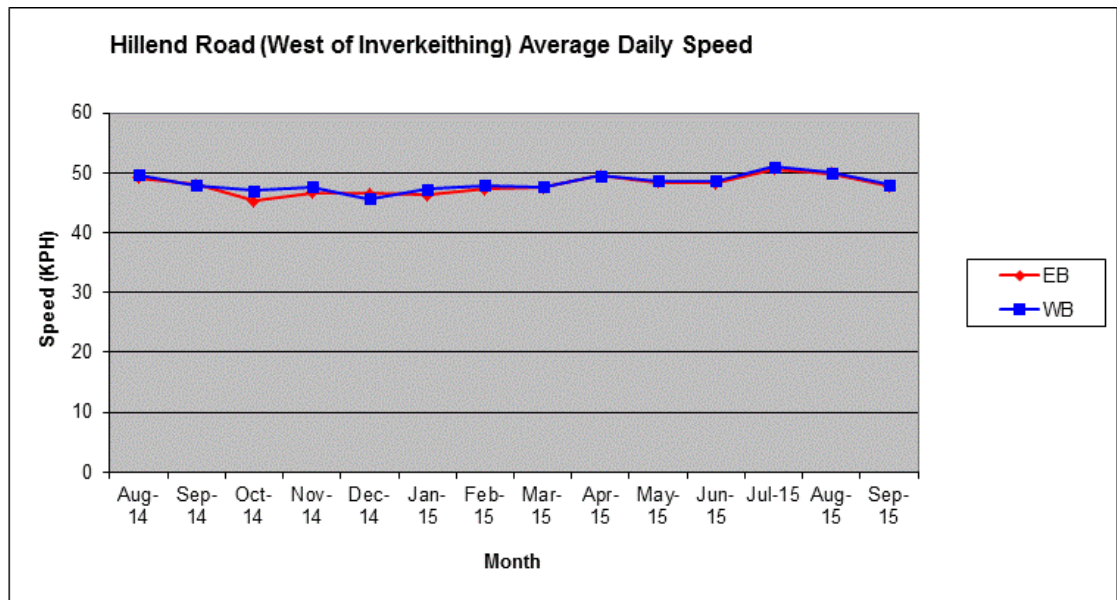


Figure 6-7 Average Monthly Traffic Speeds (KPH) on the Hillend Road (West of Inverkeithing)



## 6.2 Traffic Counter JTC00576 - Burnshot Road (West of Craigiehall)

### 6.2.1 Monthly Average Traffic Flows

Table 6-5 Site: JTC00576 Annual Traffic Flows - August 2014 to September 2015

Counter	Location	Date	EB	WB	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	1,424	1,867	3,291
		Aug-14	1,606	1,876	3,482
		Sep-14	1,492	1,797	3,289
		Oct-14	1,457	1,784	3,242
		Nov-14	1,467	1,720	3,187
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	No Data	No Data	No Data
		Apr-15	No Data	No Data	No Data
		May-15	1,645	1,940	3,585
		Jun-15	1,804	2,125	3,930
		Jul-15	1,645	2,000	3,645
		Aug-15	1,698	2,114	3,812
		Sep-15	1,723	2,083	3,805
	<b>Annual Average</b>	<b>1,588</b>	<b>1,892</b>	<b>3,480</b>	

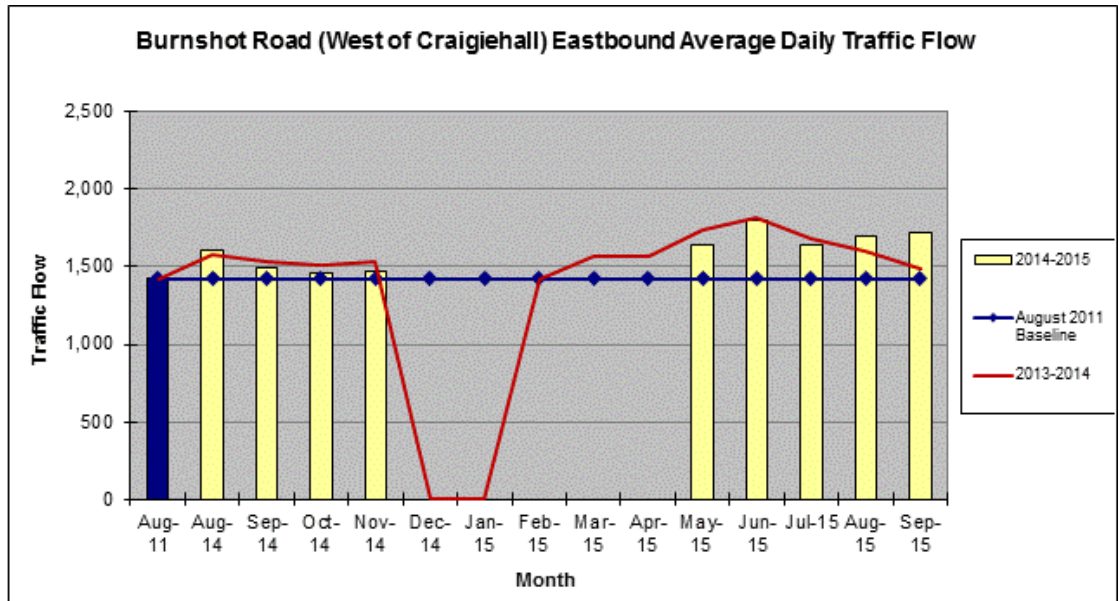


Figure 6-8 Monthly Eastbound AADTs on the Burnshot Road (West of Craigiehall)

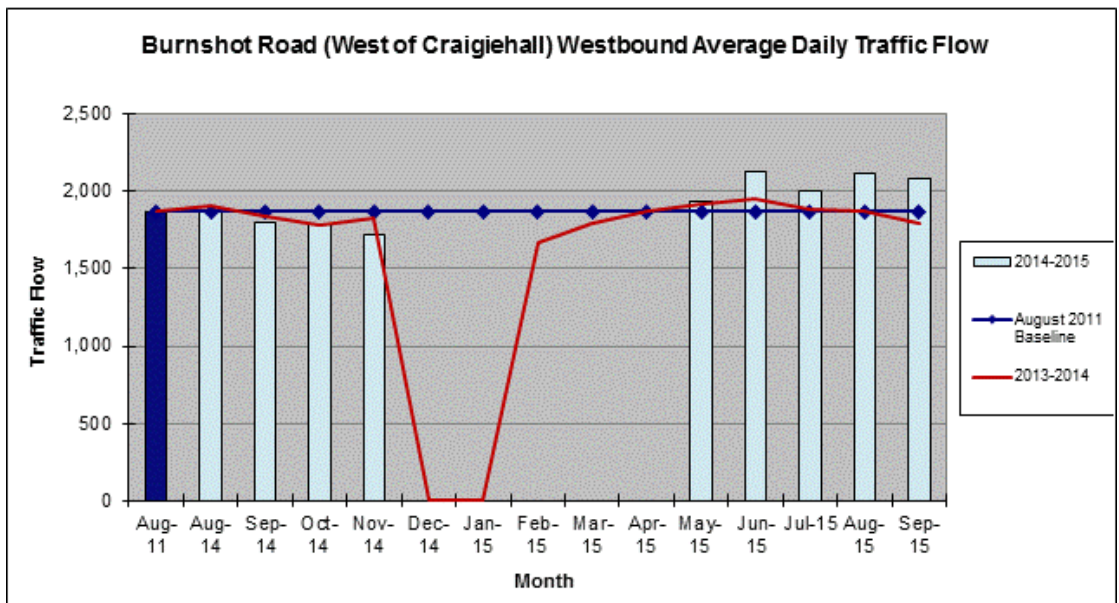


Figure 6-9 Monthly Westbound AADTs on the Burnshot Road (West of Craigiehall)



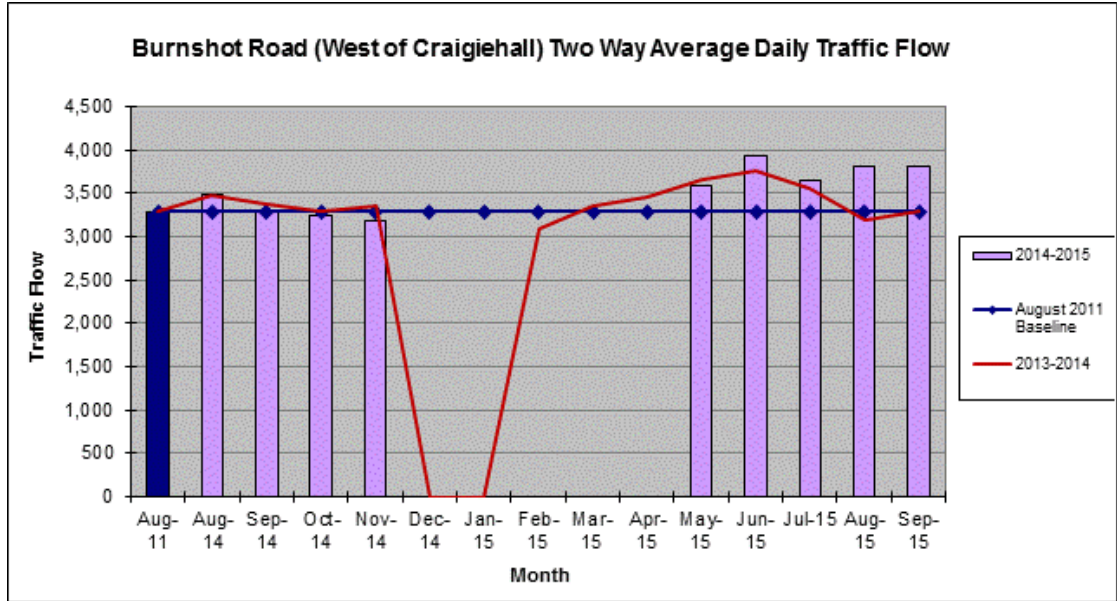


Figure 6-10 Monthly Two Way Daily Traffic Flows on the Burnshot Road (West of Craighiehall)

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

Table 6-6 Site: JTC00576 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00576	Burnshot Road (West of Craighiehall)	Aug-11	655	989
		Aug-14	659	997
		Sep-14	698	928
		Oct-14	694	896
		Nov-14	596	873
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	744	1,013
		Jun-15	829	1,135
		Jul-15	644	1,057
		Aug-15	714	1,104
		Sep-15	829	1,150
	<b>Annual Average</b>	<b>695</b>	<b>986</b>	

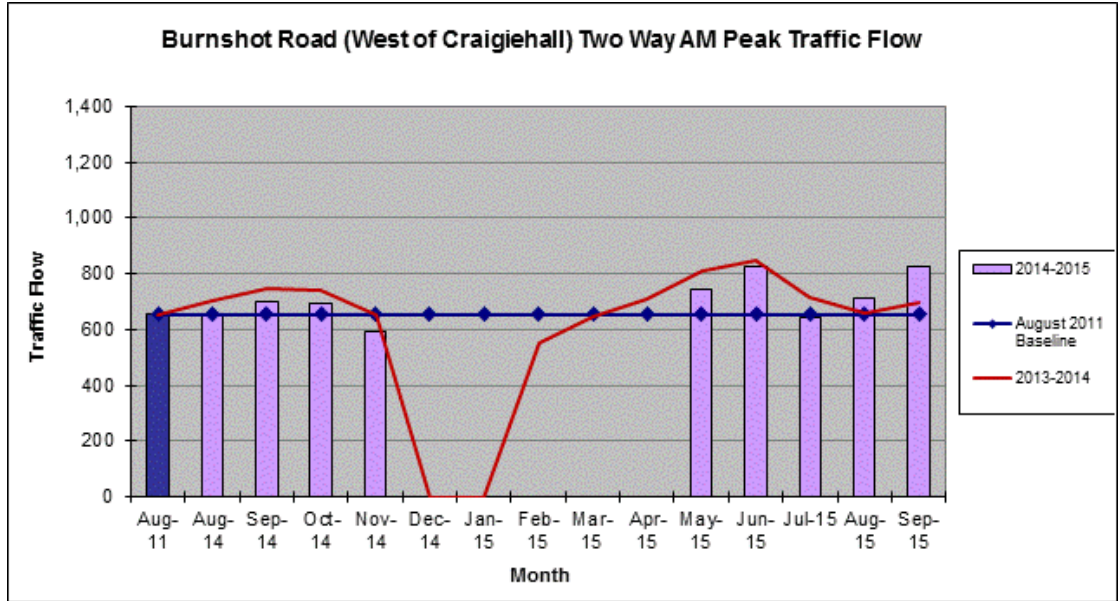


Figure 6-11 Monthly Two Way AM Peak Flows on the Burnshot Road (West of Craigiehall)

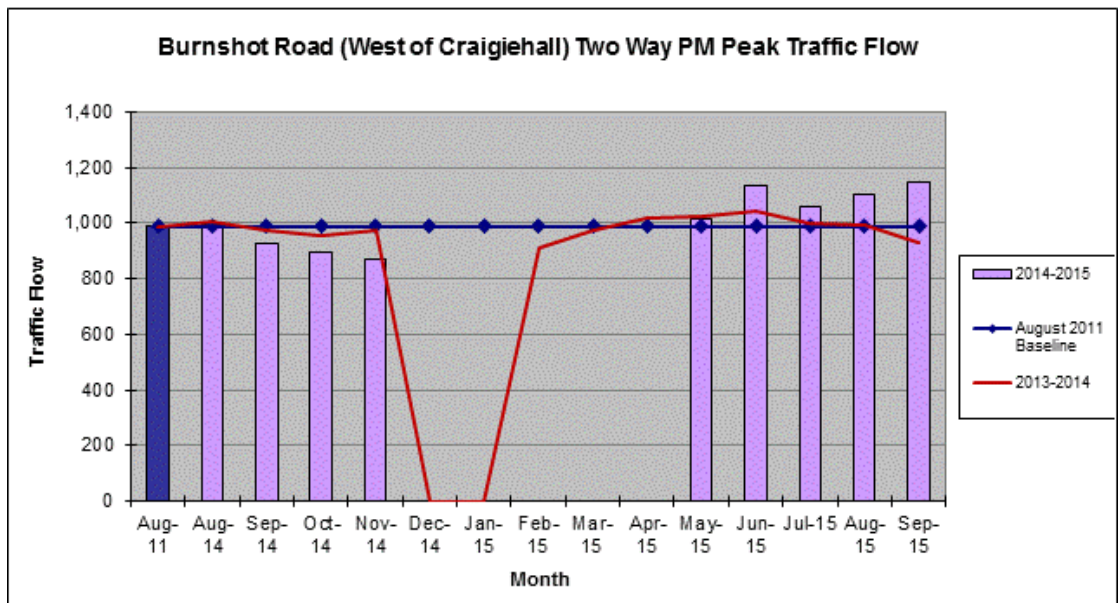


Figure 6-12 Monthly Two Way PM Peak Flows on the Burnshot Road (West of Craigiehall)

### 6.2.3 Monthly Average HGV Flows

Table 6-7 Site: JTC00576 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00576	Burnshot Road (West of Craigiehall)	Aug-11	13
		Aug-14	7
		Sep-14	9
		Oct-14	8
		Nov-14	13
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	No Data
		May-15	8
		Jun-15	7
		Jul-15	6
		Aug-15	6
		Sep-15	11

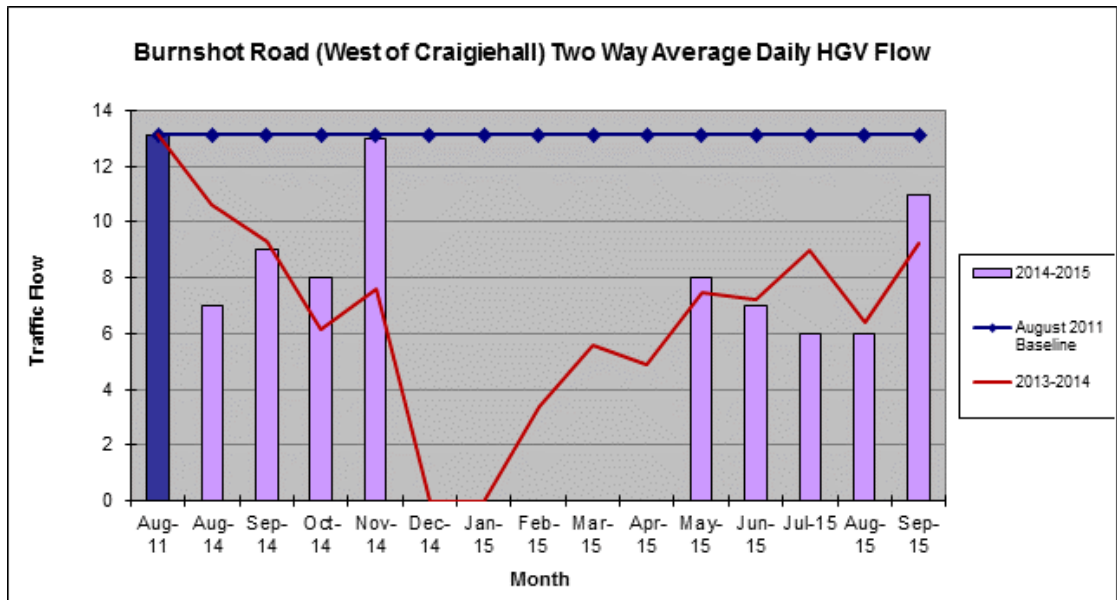
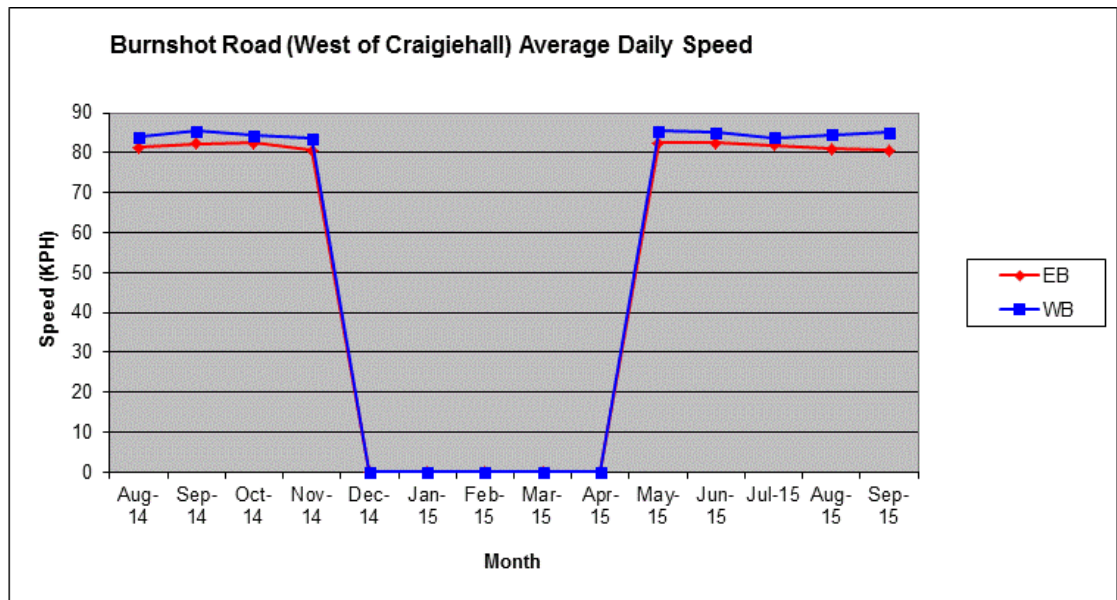


Figure 6-13 Monthly Two Way HGV Traffic Flows on the Burnshot Road (West of Craigiehall)

### 6.2.4 Monthly Average All Vehicles Traffic Speeds

**Table 6-8 Site: JTC00576 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	EB	WB
JTC00576	Burnshot Road (West of Craigiehall)	Aug-14	81	84
		Sep-14	82	86
		Oct-14	82	84
		Nov-14	81	84
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	82	85
		Jun-15	82	85
		Jul-15	82	84
		Aug-15	81	84
		Sep-15	81	85



**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 6-9 Site: JTC00579 Annual Traffic Flows - August 2014 to September 2015

Counter	Location	Date	NB	SB	Two Way
JTC00579	Queensferry Road (Rosyth)	Aug-11	3,024	3,832	6,856
		Aug-14	3,316	3,770	7,086
		Sep-14	3,230	3,722	6,953
		Oct-14	3,156	3,723	6,879
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	No Data	No Data	No Data
		Apr-15	No Data	No Data	No Data
		May-15	No Data	No Data	No Data
		Jun-15	No Data	No Data	No Data
		Jul-15	No Data	No Data	No Data
		Aug-15	2,982	3,866	6,848
		Sep-15	3,142	3,829	6,971
			<b>Annual Average</b>	<b>3,234</b>	<b>3,738</b>

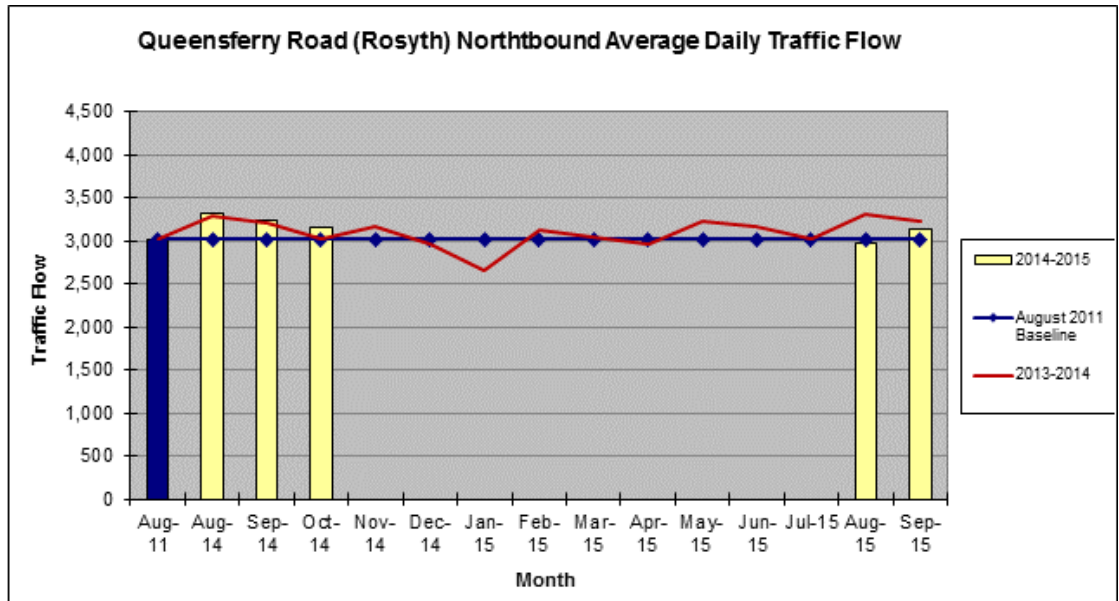


Figure 6-15 Monthly Northbound AADTs on the Queensferry Road (Rosyth)

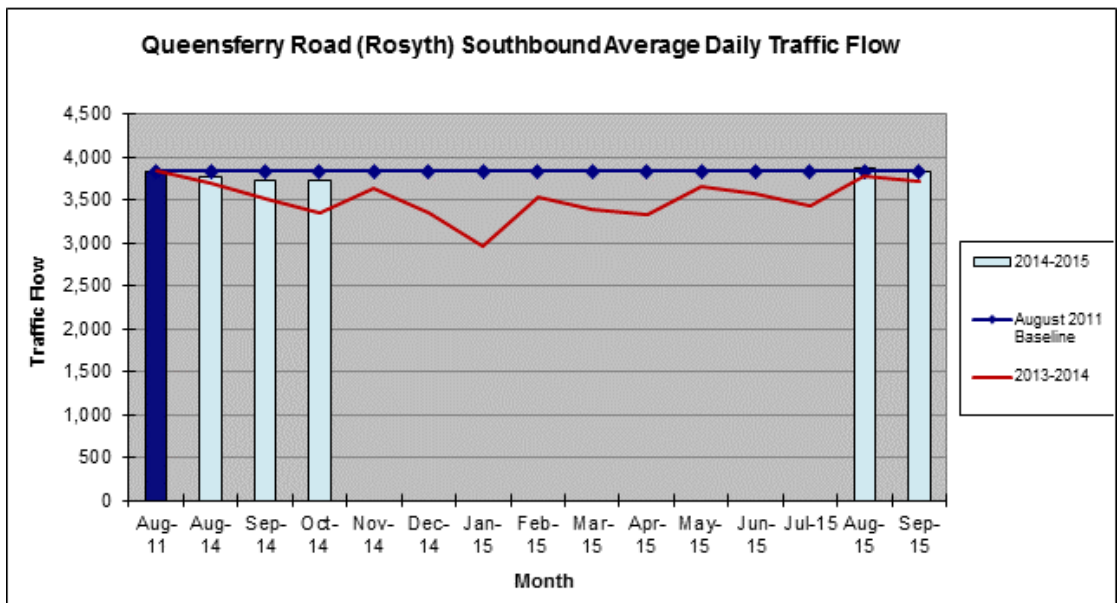


Figure 6-16 Monthly Southbound AADTs on the Queensferry Road (Rosyth)



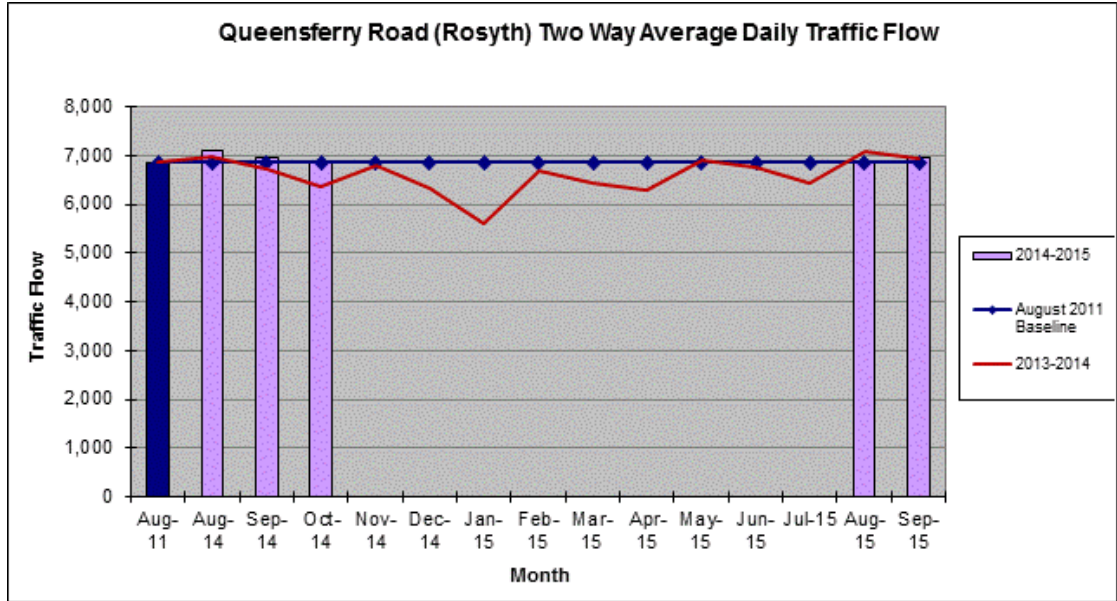


Figure 6-17 Monthly Two Way Daily Traffic Flows on the Queensferry Road (Rosyth)

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

Table 6-10 Site: JTC00579 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00579	Queensferry Road (Rosyth)	Aug-11	1,062	1,481
		Aug-14	1,055	1,585
		Sep-14	1,168	1,545
		Oct-14	1,136	1,529
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	No Data	No Data
		Jun-15	No Data	No Data
		Jul-15	No Data	No Data
		Aug-15	1,069	1,501
		Sep-15	1,218	1,531
	<b>Annual Average</b>	<b>1,120</b>	<b>1,553</b>	

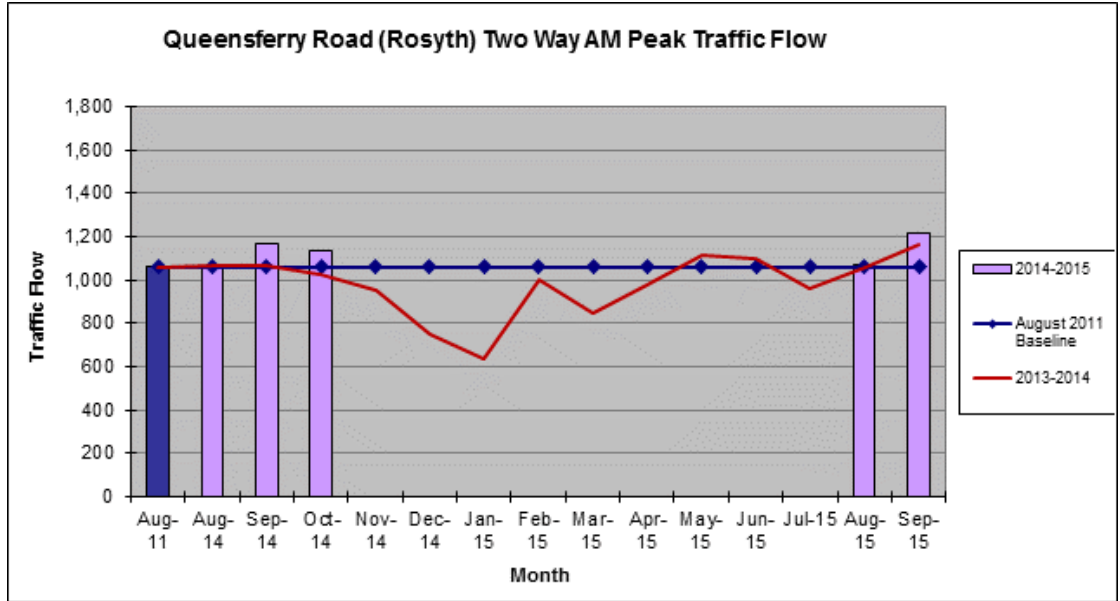


Figure 6-18 Monthly Two Way AM Peak Flows on the Queensferry Road (Rosyth)

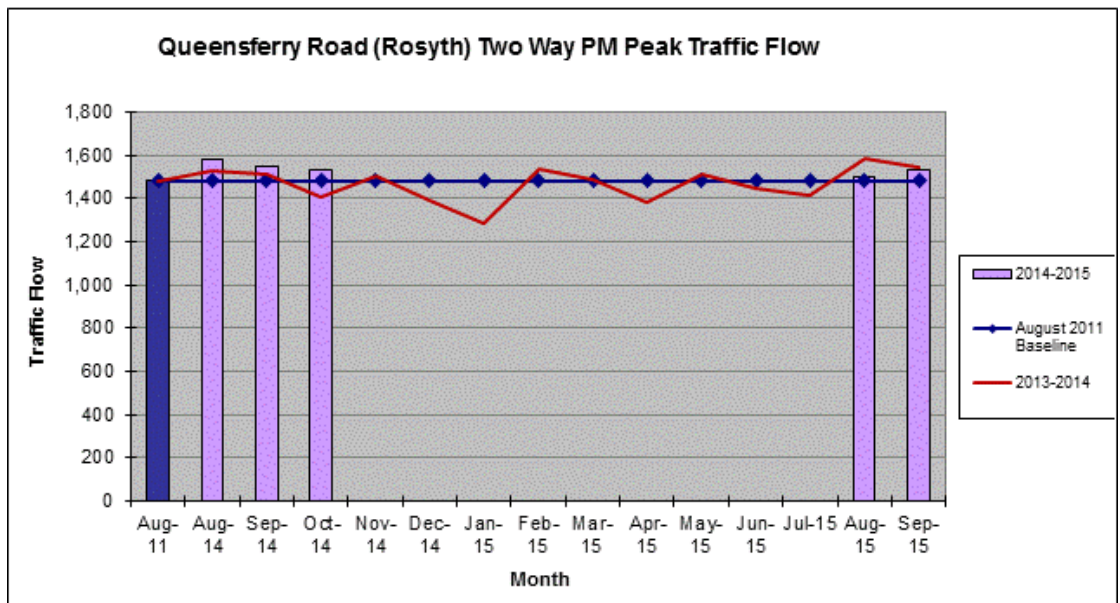


Figure 6-19 Monthly Two Way PM Peak Flows on the Queensferry Road (Rosyth)



### 6.3.3 Monthly Average HGV Flows

Table 6-11 Site: JTC00579 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way	
JTC00579	Queensferry Road (Rosyth)	Aug-11	356	
		Aug-14	323	
		Sep-14	352	
		Oct-14	355	
		Nov-14	No Data	
		Dec-14	No Data	
		Jan-15	No Data	
		Feb-15	No Data	
		Mar-15	No Data	
		Apr-15	No Data	
		May-15	No Data	
		Jun-15	No Data	
		Jul-15	No Data	
		Aug-15	341	
		Sep-15	346	
		<b>Annual Average</b>		<b>343</b>

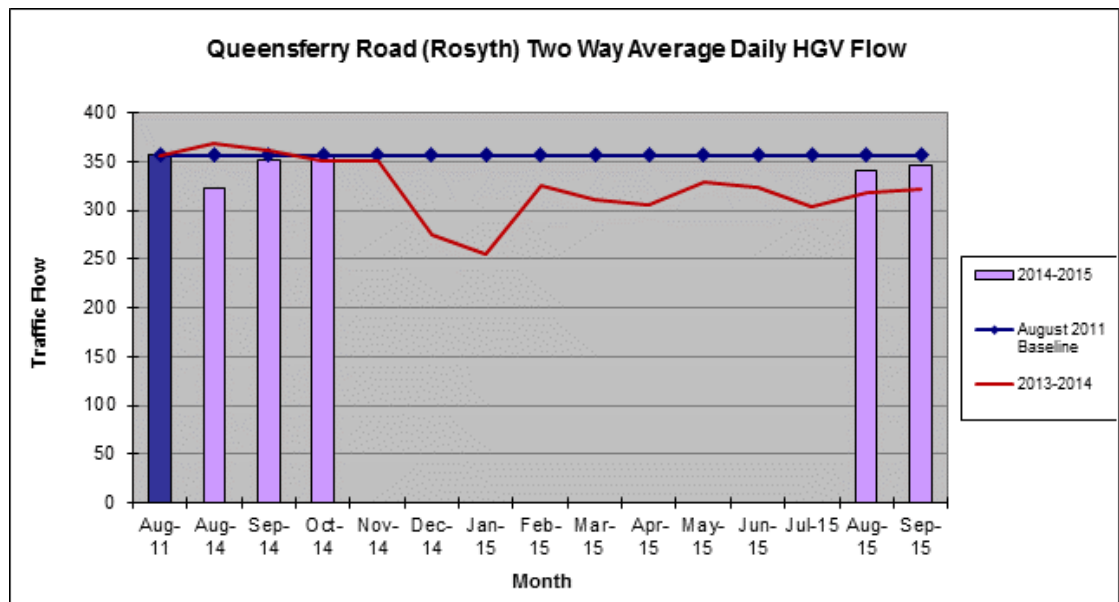
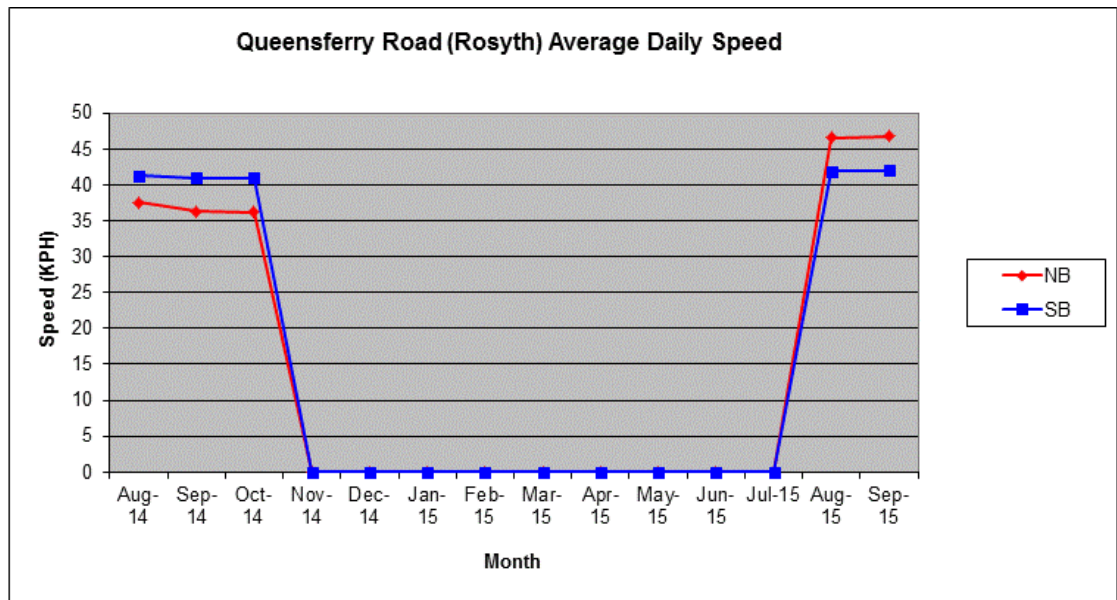


Figure 6-20 Monthly Two Way HGV Traffic Flows on the Queensferry Road (Rosyth)

### 6.3.4 Monthly Average All Vehicles Traffic Speeds

**Table 6-12 Site: JTC00579 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00579	Queensferry Road (Rosyth)	Aug-14	38	41
		Sep-14	36	41
		Oct-14	36	41
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	No Data	No Data
		Jun-15	No Data	No Data
		Jul-15	No Data	No Data
		Aug-15	47	42
		Sep-15	47	42



**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 6-13 Site: JTC00580 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	7,114	3,103	10,217
		Aug-14	7,821	2,816	10,637
		Sep-14	7,974	3,072	11,046
		Oct-14	8,227	3,149	11,375
		Nov-14	7,725	2,970	10,695
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	7,848	3,061	10,909
		Mar-15	8,077	3,085	11,163
		Apr-15	7,786	3,016	10,802
		May-15	7,527	2,921	10,448
		Jun-15	8,168	3,187	11,355
		Jul-15	8,001	2,914	10,914
		Aug-15	8,198	3,046	11,244
		Sep-15	8,513	3,333	11,847
		<b>Annual Average</b>	<b>7,915</b>	<b>3,019</b>	<b>10,934</b>

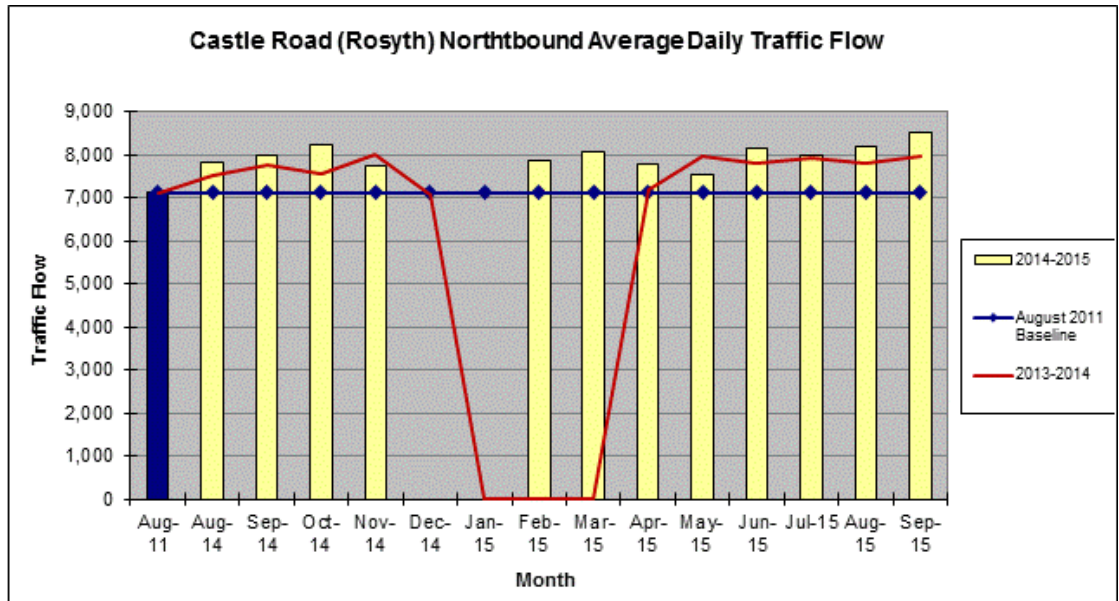


Figure 6-22 Monthly Northbound AADTs on the Castle Road (Rosyth)

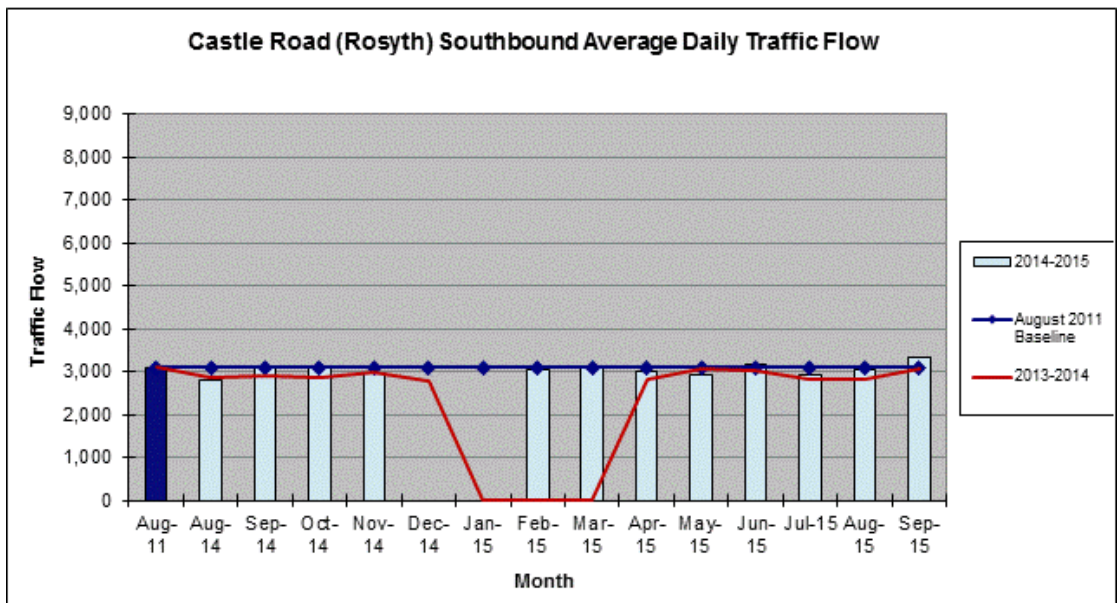


Figure 6-23 Monthly Southbound AADTs on the Castle Road (Rosyth)

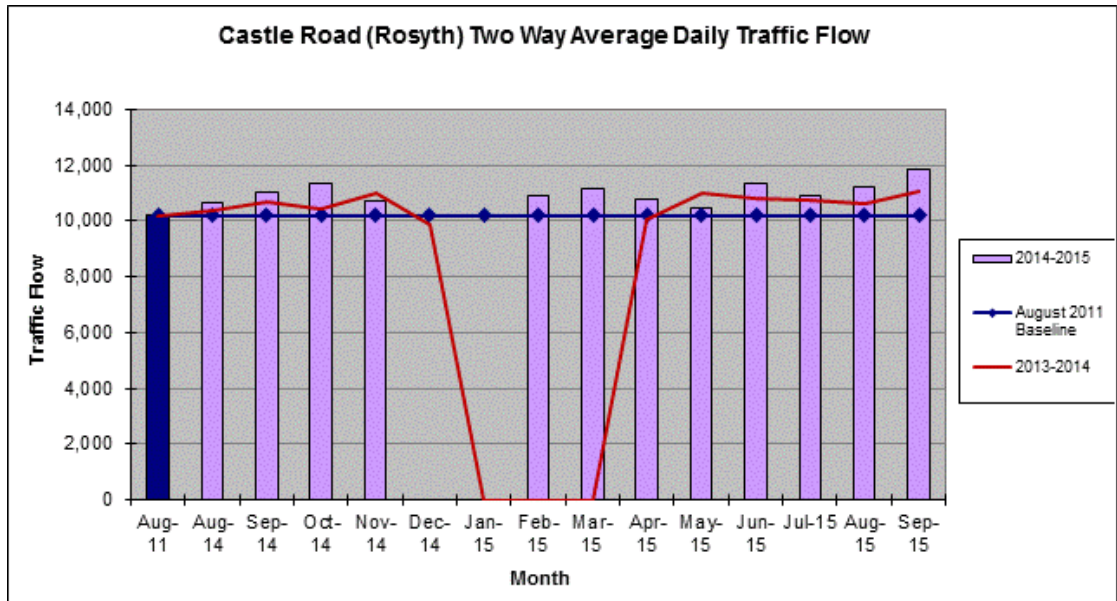


Figure 6-24 Monthly Two Way Daily Traffic Flows on the Castle Road (Rosyth)

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

Table 6-14 Site: JTC00580 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00580	Castle Road (Rosyth)	Aug-11	1,970	2,408
		Aug-14	1,641	2,184
		Sep-14	1,806	2,327
		Oct-14	2,038	2,549
		Nov-14	2,013	2,541
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	2,072	2,601
		Mar-15	2,073	2,692
		Apr-15	1,614	2,304
		May-15	1,604	2,128
		Jun-15	1,744	2,390
		Jul-15	1,531	2,314
		Aug-15	1,635	2,402
Sep-15	2,215	2,854		
	<b>Annual Average</b>	<b>1,814</b>	<b>2,403</b>	

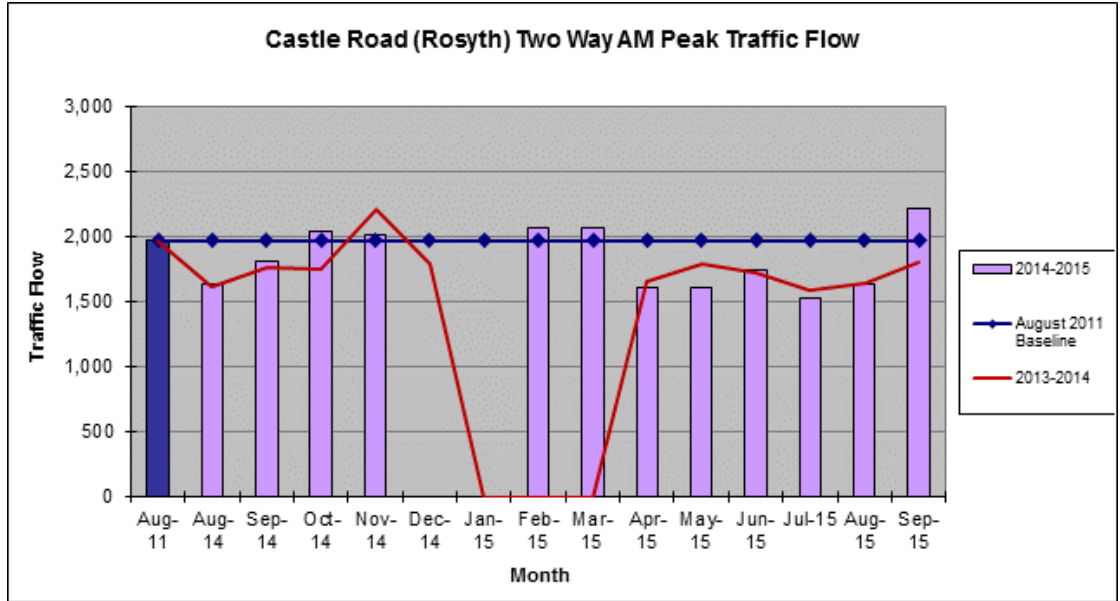


Figure 6-25 Monthly Two Way AM Peak Flows on the Castle Road (Rosyth)

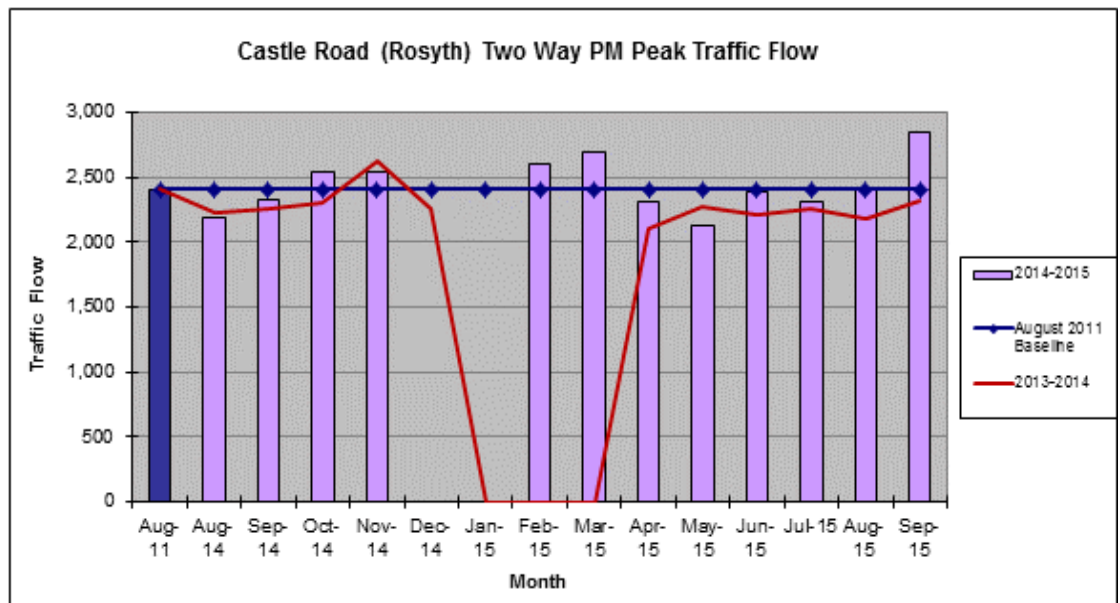


Figure 6-26 Monthly Two Way PM Peak Flows on the Castle Road (Rosyth)

### 6.4.3 Monthly Average HGV Flows

Table 6-15 Site: JTC00580 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00580	Castle Road (Rosyth)	Aug-11	109
		Aug-14	171
		Sep-14	177
		Oct-14	184
		Nov-14	157
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	167
		Mar-15	179
		Apr-15	168
		May-15	165
		Jun-15	176
		Jul-15	162
		Aug-15	175
		Sep-15	193
		<b>Annual Average</b>	<b>171</b>

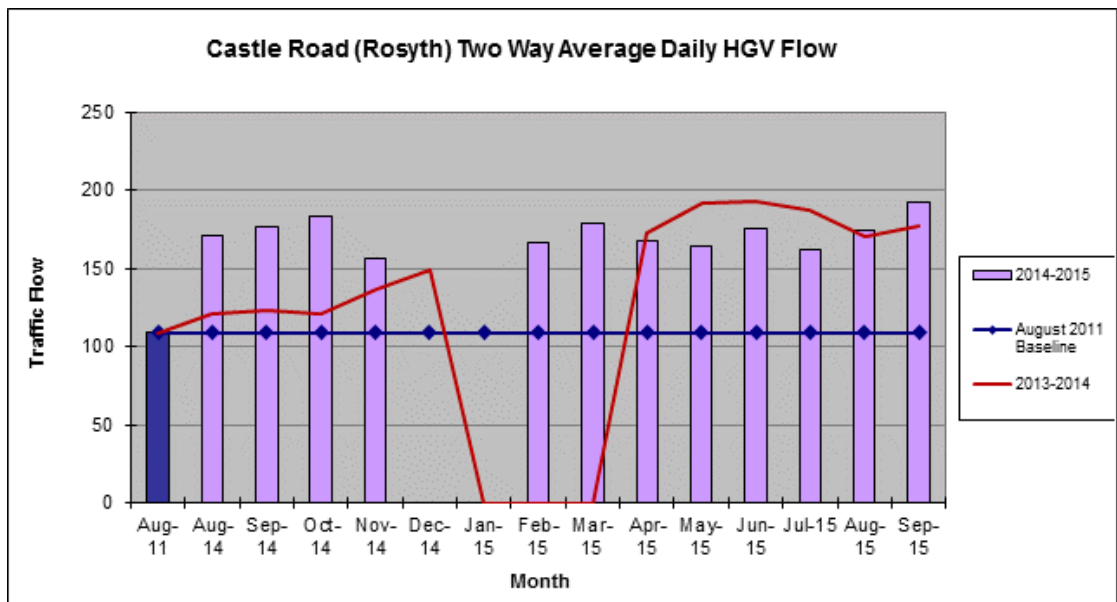


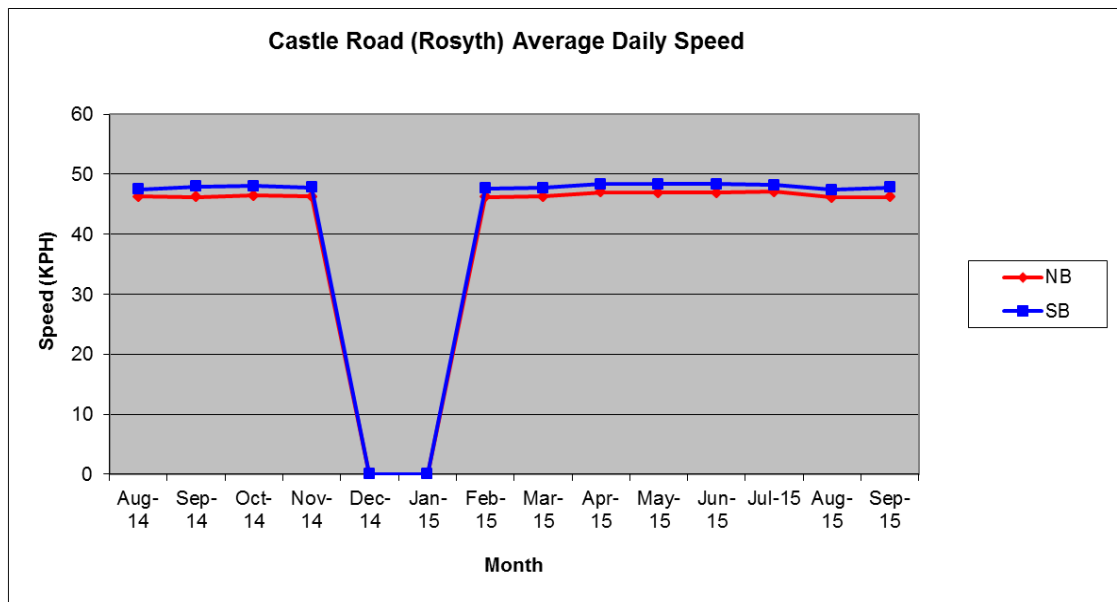
Figure 6-27 Monthly Two Way HGV Traffic Flows on the Castle Road (Rosyth)



### 6.4.4 Monthly Average All Vehicles Traffic Speeds

**Table 6-16 Site: JTC00580 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00580	Castle Road (Rosyth)	Aug-14	46	47
		Sep-14	46	48
		Oct-14	46	48
		Nov-14	46	48
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	46	48
		Mar-15	46	48
		Apr-15	47	48
		May-15	47	48
		Jun-15	47	48
		Jul-15	47	48
		Aug-15	46	47
		Sep-15	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 6-17 Site: JTC00585 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	7,137	7,296	14,434
		Aug-14	7,697	7,928	15,626
		Sep-14	7,351	7,608	14,959
		Oct-14	7,434	7,694	15,127
		Nov-14	7,878	8,095	15,973
		Dec-14	7,640	7,883	15,522
		Jan-15	6,968	7,270	14,239
		Feb-15	7,677	7,936	15,613
		Mar-15	7,572	7,834	15,406
		Apr-15	7,878	8,108	15,986
		May-15	7,896	8,170	16,066
		Jun-15	7,909	8,162	16,071
		Jul-15	7,819	7,907	15,726
		Aug-15	7,886	8,128	16,014
		Sep-15	7,733	8,000	15,733
		<b>Annual Average</b>	<b>7,643</b>	<b>7,883</b>	<b>15,526</b>

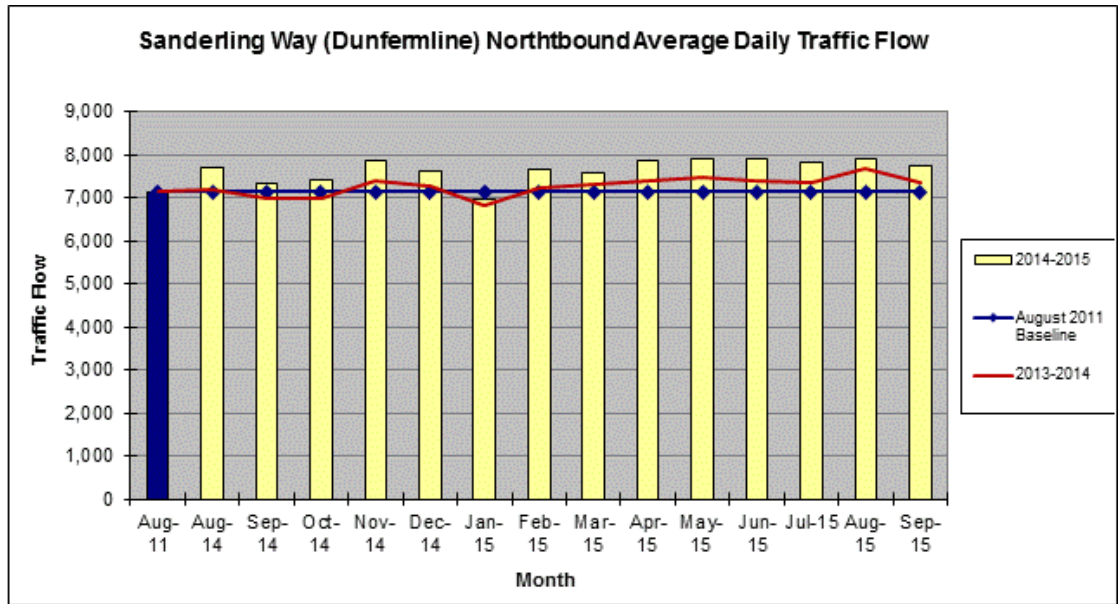


Figure 6-29 Monthly Northbound AADTs on the Sanderling Way (Dunfermline)

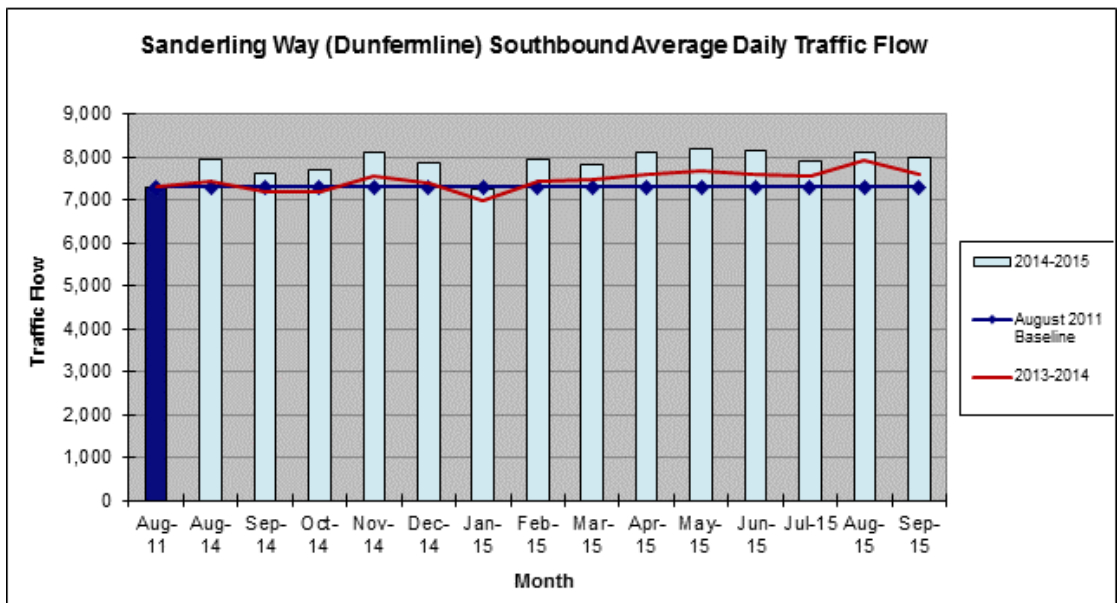


Figure 6-30 Monthly Southbound AADTs on the Sanderling Way (Dunfermline)

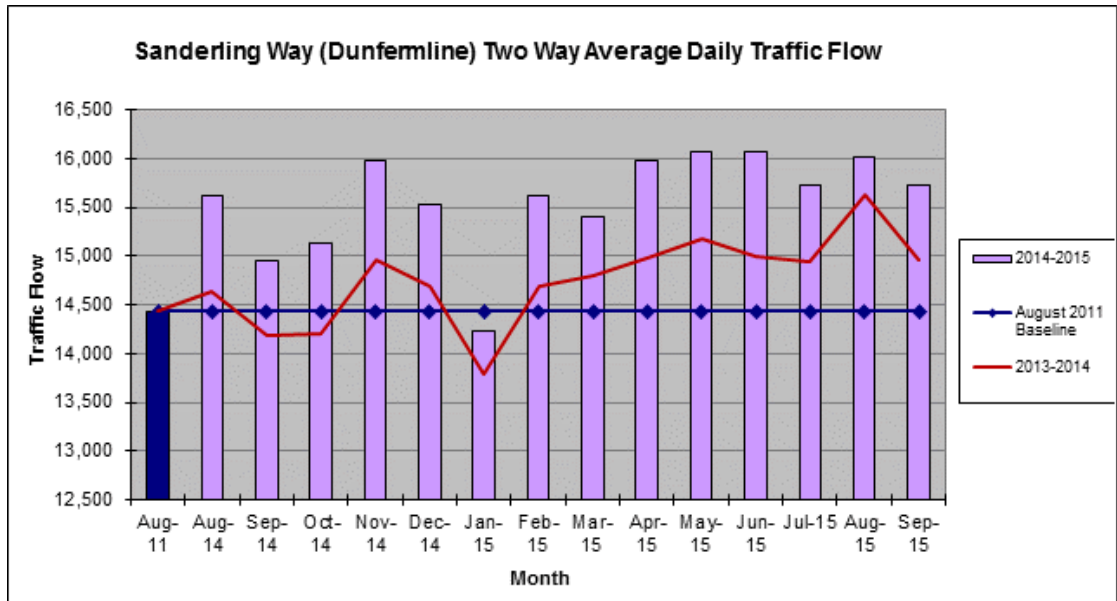


Figure 6-31 Monthly Two Way Daily Traffic Flows on the Sanderling Way (Dunfermline)

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

Table 6-18 Site: JTC00585 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00585	Sanderling Way (Dunfermline)	Aug-11	1,880	3,658
		Aug-14	2,020	4,003
		Sep-14	2,249	3,950
		Oct-14	2,091	3,922
		Nov-14	2,111	3,831
		Dec-14	1,829	3,691
		Jan-15	1,764	3,557
		Feb-15	1,943	3,807
		Mar-15	2,025	3,801
		Apr-15	2,164	4,078
		May-15	2,254	4,161
		Jun-15	2,348	4,219
		Jul-15	2,048	4,030
		Aug-15	2,129	4,135
Sep-15	2,399	4,146		
	<b>Annual Average</b>	<b>2,070</b>	<b>3,921</b>	

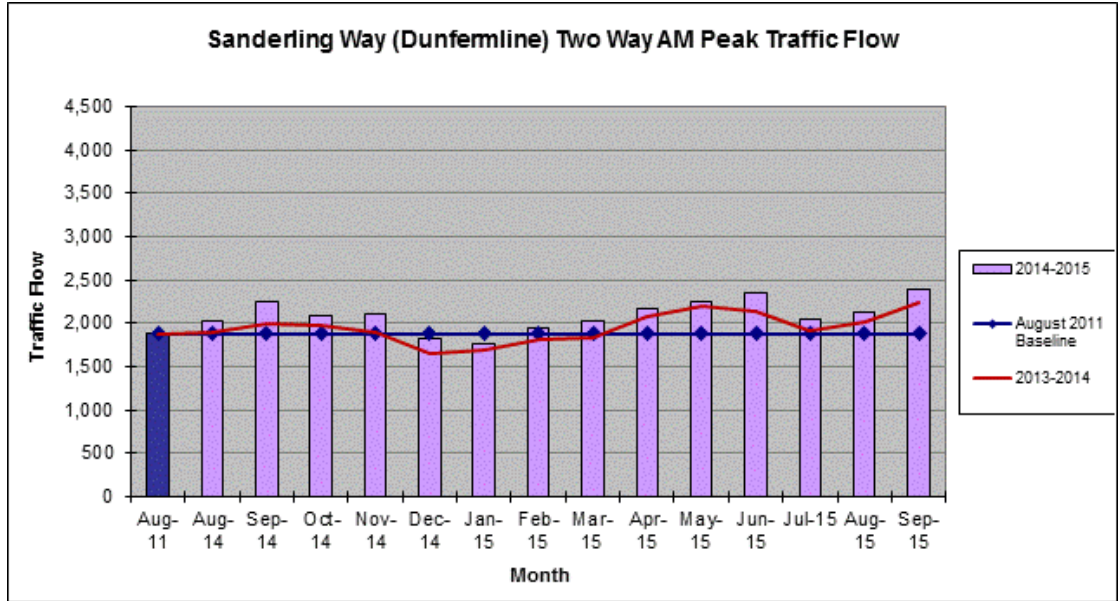


Figure 6-32 Monthly Two Way AM Peak Flows on the Sanderling Way (Dunfermline)

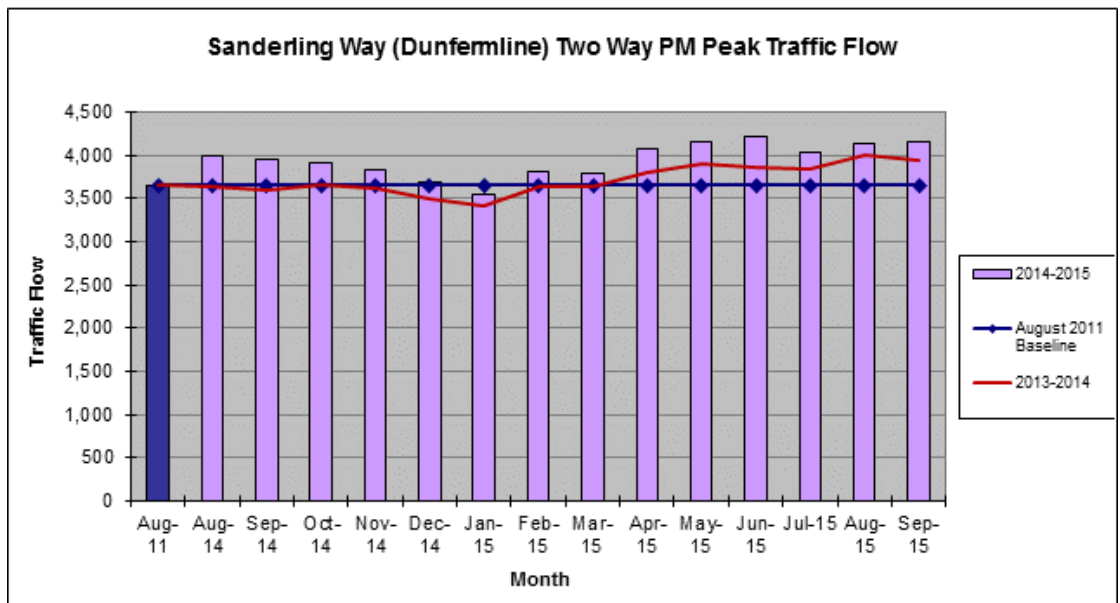


Figure 6-33 Monthly Two Way PM Peak Flows on the Sanderling Way (Dunfermline)

### 6.5.3 Monthly Average HGV Flows

Table 6-19 Site: JTC00585 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00585	Sanderling Way (Dunfermline)	Aug-11	232
		Aug-14	359
		Sep-14	390
		Oct-14	398
		Nov-14	454
		Dec-14	450
		Jan-15	372
		Feb-15	382
		Mar-15	391
		Apr-15	392
		May-15	390
		Jun-15	415
		Jul-15	408
		Aug-15	393
		Sep-15	428
		<b>Annual Average</b>	<b>400</b>

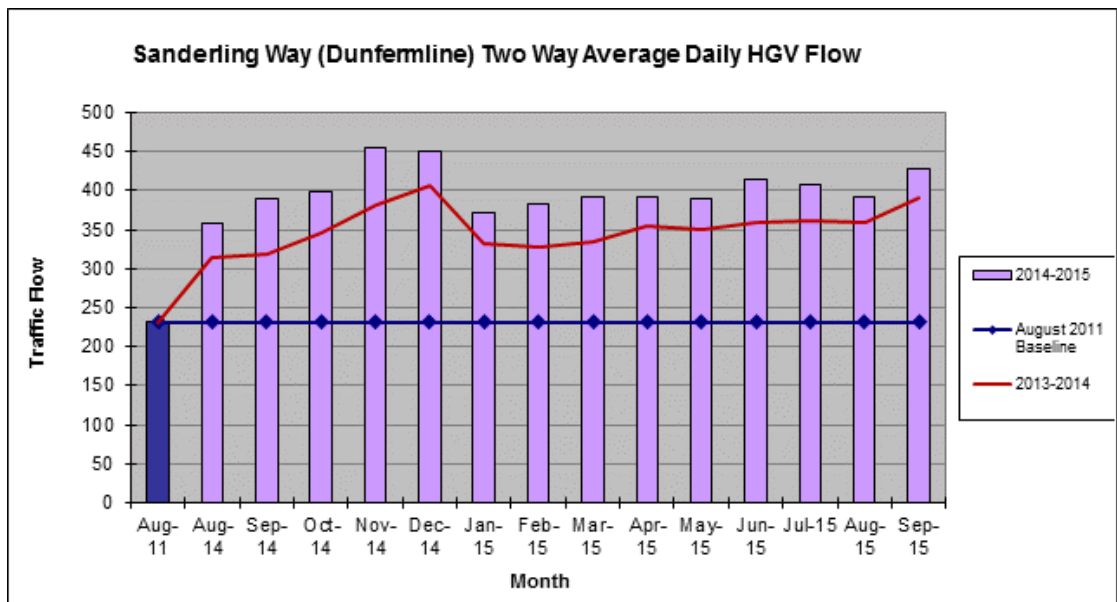
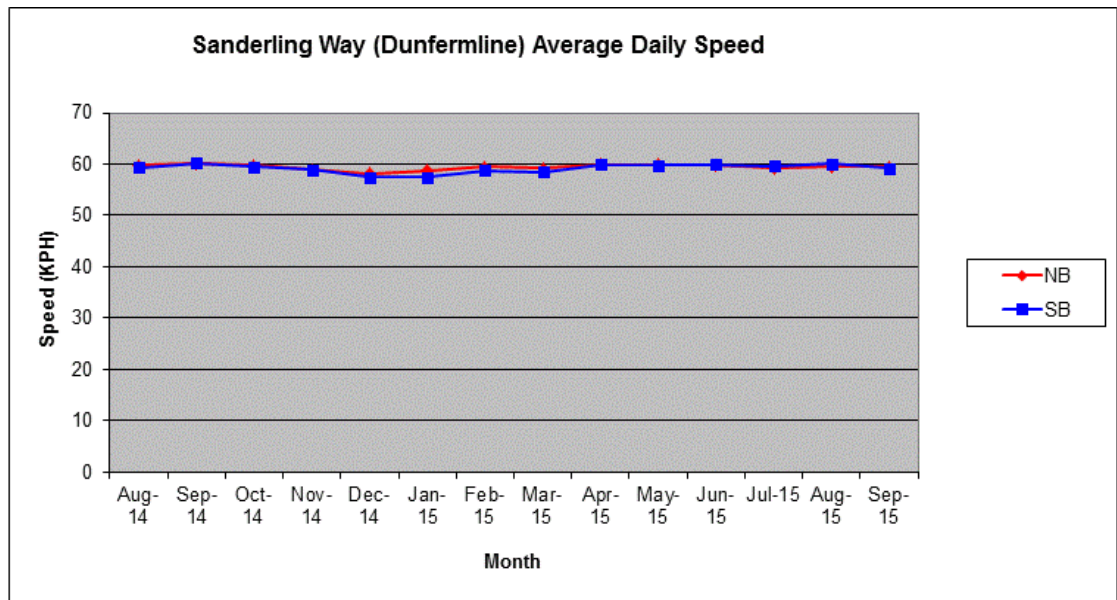


Figure 6-34 Monthly Two Way HGV Traffic Flows on the Sanderling Way (Dunfermline)

**6.5.4 Monthly Average All Vehicles Traffic Speeds**

**Table 6-20 Site: JTC00585 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00585	Sanderling Way (Dunfermline)	Aug-14	60	59
		Sep-14	60	60
		Oct-14	60	59
		Nov-14	59	59
		Dec-14	58	57
		Jan-15	59	57
		Feb-15	59	59
		Mar-15	59	58
		Apr-15	60	60
		May-15	60	60
		Jun-15	60	60
		Jul-15	59	60
		Aug-15	59	60
		Sep-15	60	59



**Figure 6-35 Average Monthly Traffic Speeds (KPH) on the Sanderling Way (Dunfermline)**

## 6.6 Traffic Counter JTC00587 - Ferry Toll Road (Rosyth)

### 6.6.1 Monthly Average Traffic Flows

*Table 6-21 Site: JTC00587 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	NB	SB	Two Way
JTC00587	Ferry Toll Road (Rosyth)	Aug-11	2,033	2,780	4,814
		Aug-14	No Data	No Data	No Data
		Sep-14	1,669	1,826	3,495
		Oct-14	1,704	1,885	3,589
		Nov-14	1,754	1,958	3,713
		Dec-14	1,627	1,801	3,428
		Jan-15	1,670	1,858	3,528
		Feb-15	1,837	2,047	3,883
		Mar-15	1,899	2,175	4,074
		Apr-15	1,880	2,062	3,941
		May-15	1,887	2,139	4,027
		Jun-15	1,932	2,214	4,145
		Jul-15	No Data	No Data	No Data
		Aug-15	No Data	No Data	No Data
		Sep-15	1,561	1,765	3,326
	<b>Annual Average</b>	<b>1,786</b>	<b>1,996</b>	<b>3,782</b>	



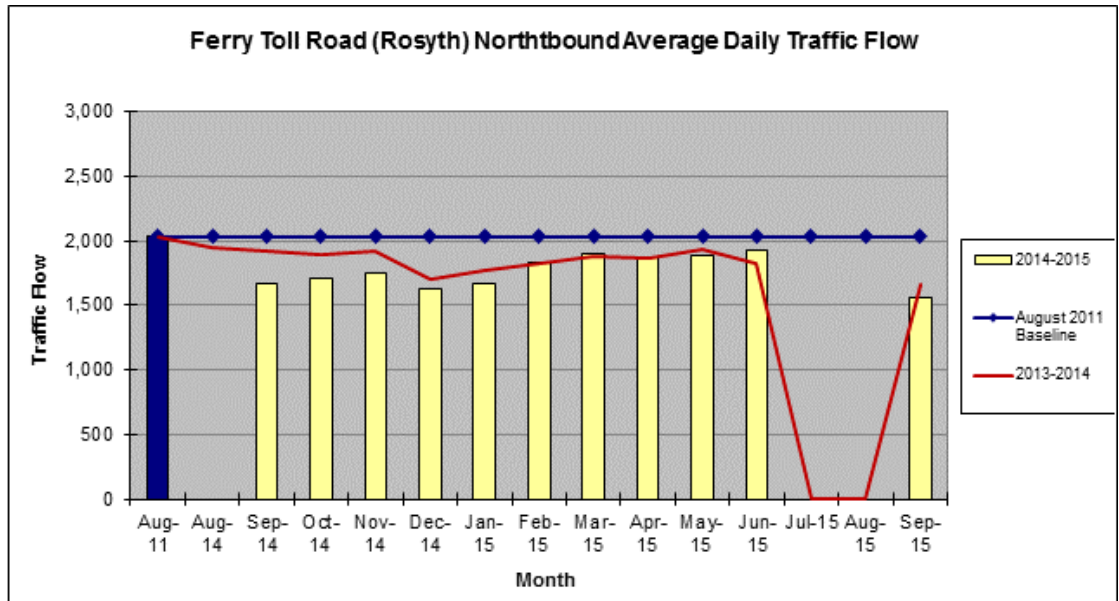


Figure 6-36 Monthly Northbound AADTs on the Ferry Toll Road (Rosyth)

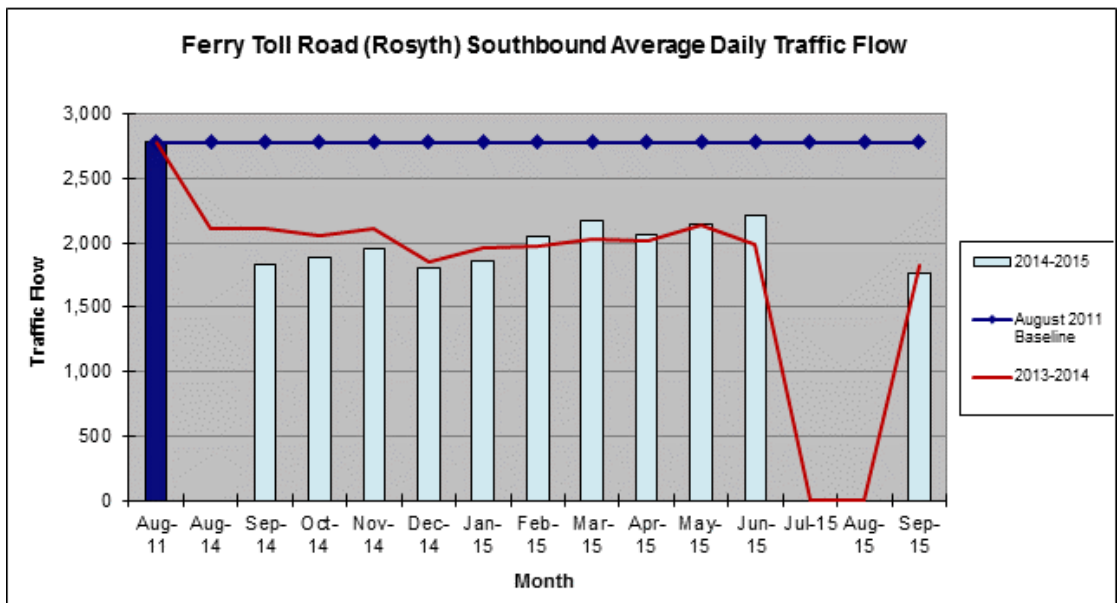


Figure 6-37 Monthly Southbound AADTs on the Ferry Toll Road (Rosyth)



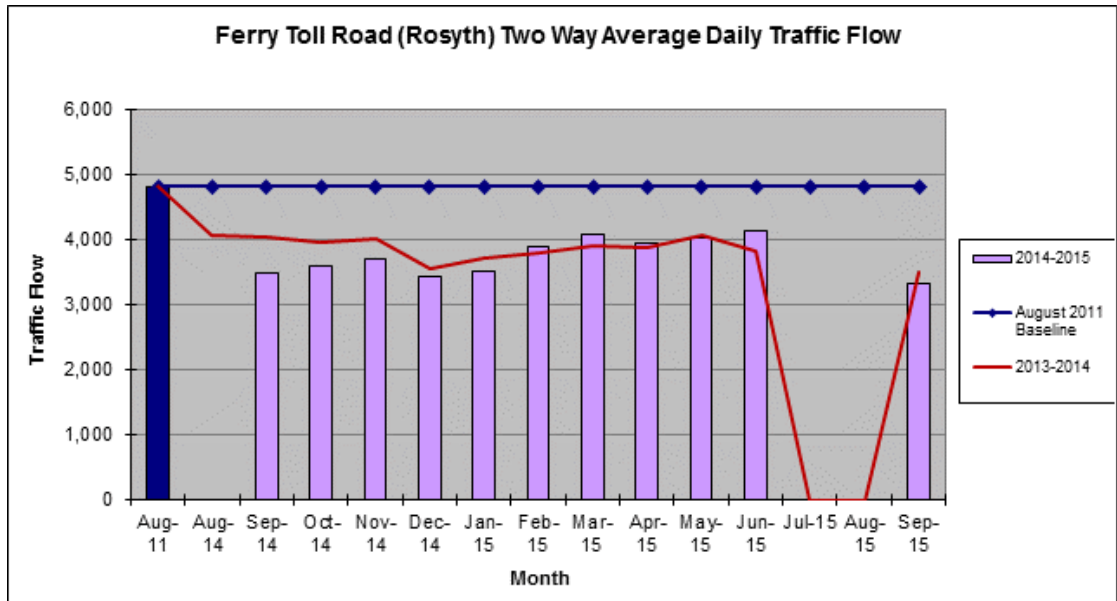


Figure 6-38 Monthly Two Way Daily Traffic Flows on the Ferry Toll Road (Rosyth)

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

Table 6-22 Site: JTC00587 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00587	Ferry Toll Road (Rosyth)	Aug-11	1,007	1,182
		Aug-14	No Data	No Data
		Sep-14	764	862
		Oct-14	822	878
		Nov-14	832	875
		Dec-14	694	815
		Jan-15	773	893
		Feb-15	867	962
		Mar-15	931	1,017
		Apr-15	814	1,029
		May-15	821	1,014
		Jun-15	897	1,057
		Jul-15	No Data	No Data
		Aug-15	No Data	No Data
Sep-15	711	856		
	<b>Annual Average</b>	<b>821</b>	<b>940</b>	

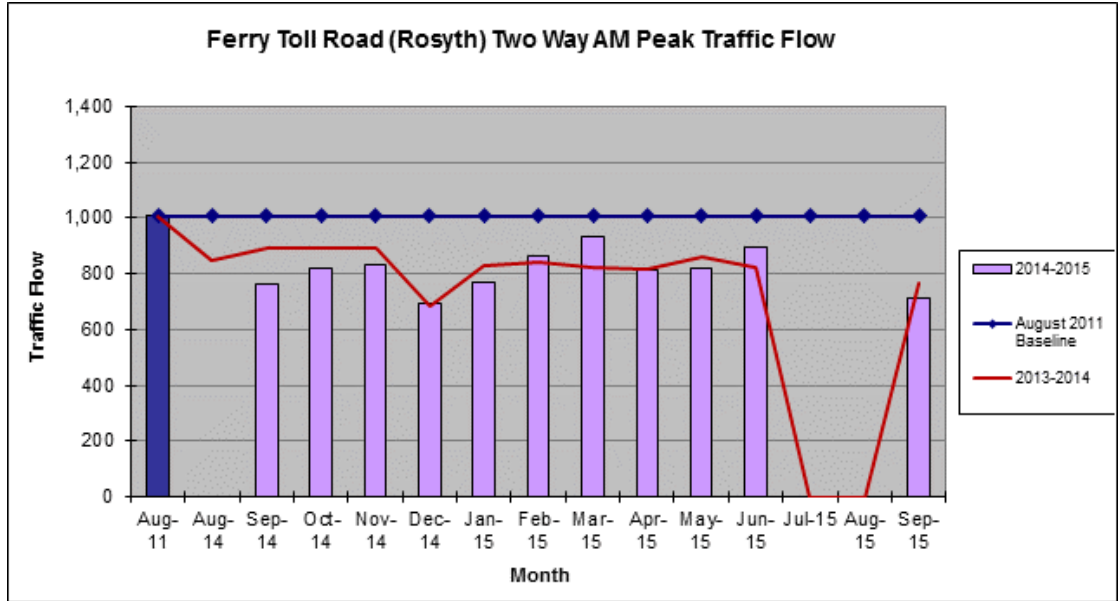


Figure 6-39 Monthly Two Way AM Peak Flows on the Ferry Toll Road (Rosyth)

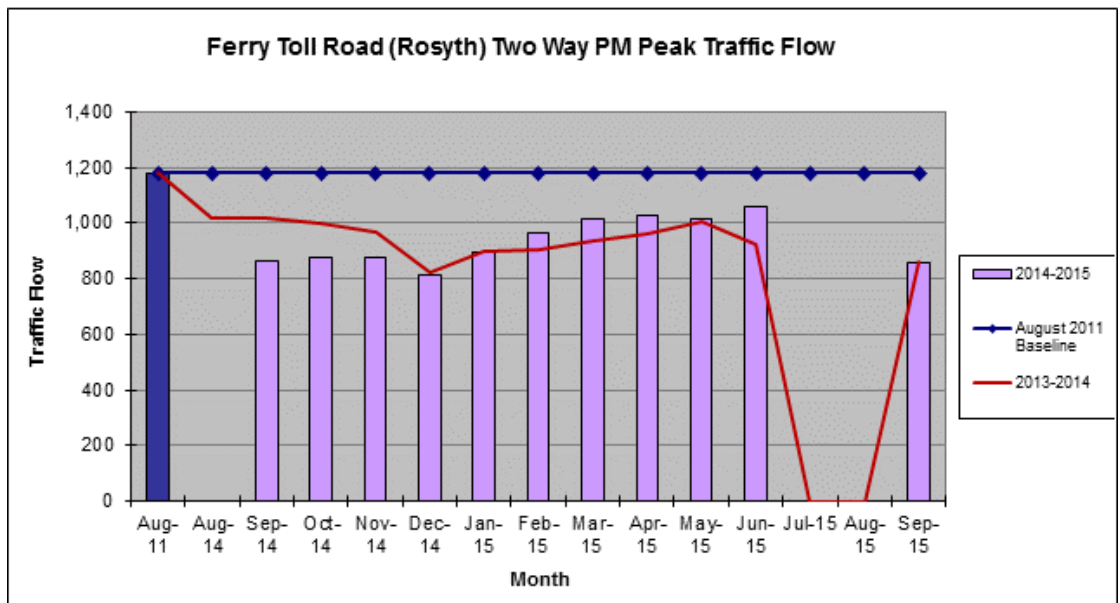


Figure 6-40 Monthly Two Way PM Peak Flows on the Ferry Toll Road (Rosyth)

### 6.6.3 Monthly Average HGV Flows

Table 6-23 Site: JTC00587 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00587	Ferry Toll Road (Rosyth)	Aug-11	9
		Aug-14	No Data
		Sep-14	3
		Oct-14	4
		Nov-14	3
		Dec-14	3
		Jan-15	5
		Feb-15	5
		Mar-15	5
		Apr-15	5
		May-15	5
		Jun-15	5
		Jul-15	No Data
		Aug-15	No Data
		Sep-15	5
		<b>Annual Average</b>	

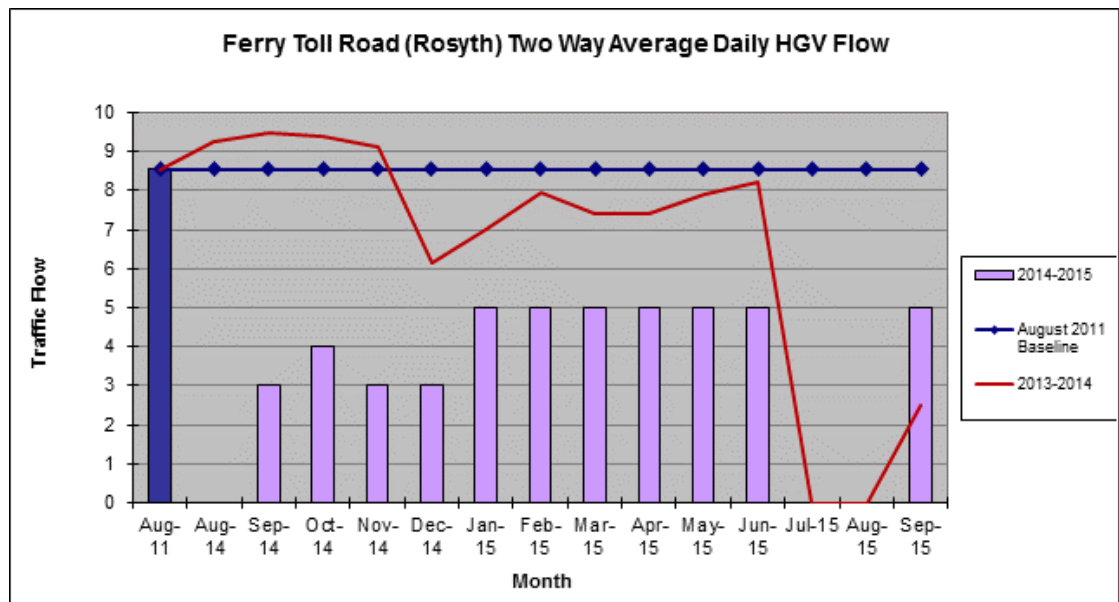
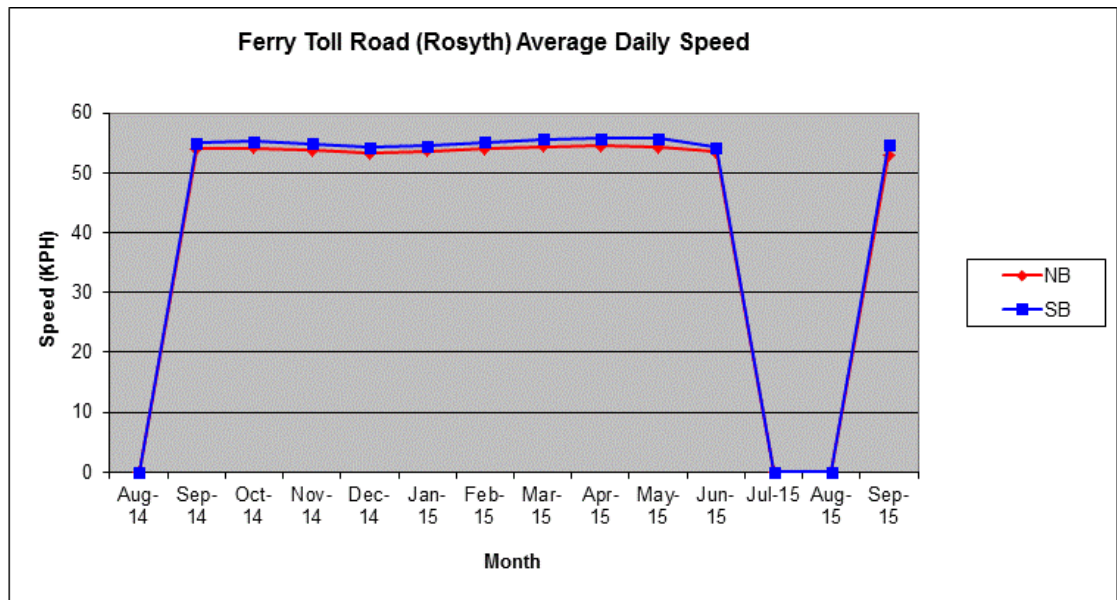


Figure 6-41 Monthly Two Way HGV Traffic Flows on the Ferry Toll Road (Rosyth)

### 6.6.4 Monthly Average All Vehicles Traffic Speeds

**Table 6-24 Site: JTC00587 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	NB	SB
JTC00587	Ferry Toll Road (Rosyth)	Aug-14	No Data	No Data
		Sep-14	54	55
		Oct-14	54	55
		Nov-14	54	55
		Dec-14	53	54
		Jan-15	54	54
		Feb-15	54	55
		Mar-15	54	56
		Apr-15	55	56
		May-15	54	56
		Jun-15	54	54
		Jul-15	No Data	No Data
		Aug-15	No Data	No Data
		Sep-15	53	55



**Figure 6-42 Average Monthly Traffic Speeds (KPH) on the Ferry Toll Road (Rosyth)**

## 6.7 Traffic Counter JTC00588 - King Malcolm Drive (Rosyth)

Summary of statistics between August 2014 and September 2015:

- Limited traffic flow data was available for September 2014 to July 2015. For months which have data available, general traffic and HGV flows were significantly higher than the baseline.

### 6.7.1 Monthly Average Traffic Flows

**Table 6-25 Site: JTC00588 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB	WB	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	1,748	1,443	3,191
		Aug-14	3,195	3,024	6,218
		Sep-14	No Data	No Data	No Data
		Oct-14	No Data	No Data	No Data
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	No Data	No Data	No Data
		Apr-15	No Data	No Data	No Data
		May-15	No Data	No Data	No Data
		Jun-15	No Data	No Data	No Data
		Jul-15	3,670	3,408	7,078
		Aug-15	3,857	4,125	7,982
		Sep-15	2,816	2,655	5,470
	<b>Annual Average</b>	<b>3,432</b>	<b>3,216</b>	<b>6,648</b>	

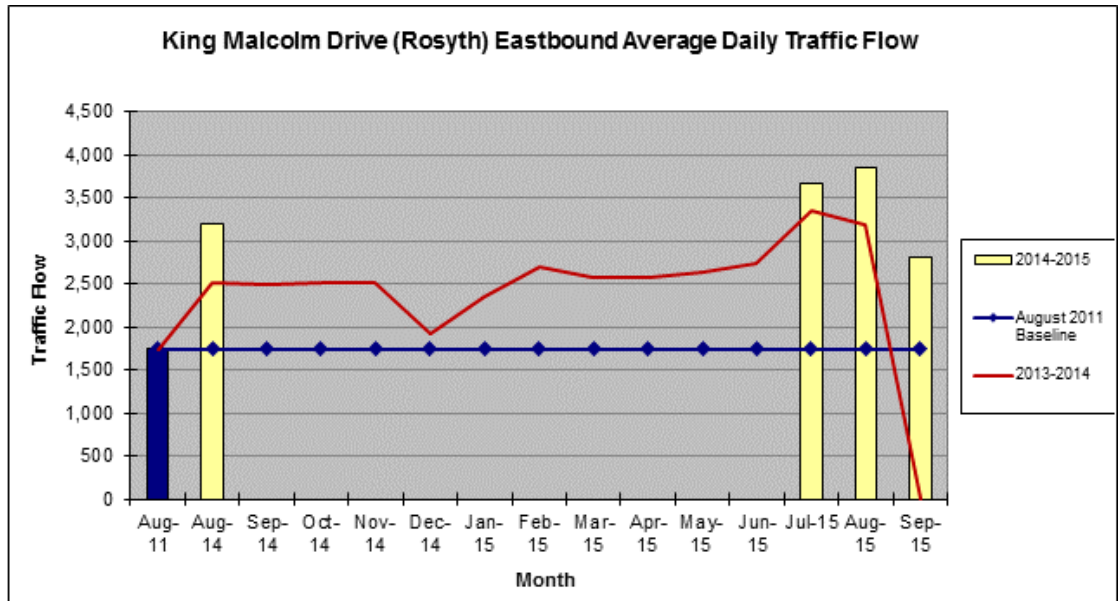


Figure 6-43 Monthly Eastbound AADTs on the King Malcolm Drive (Rosyth)

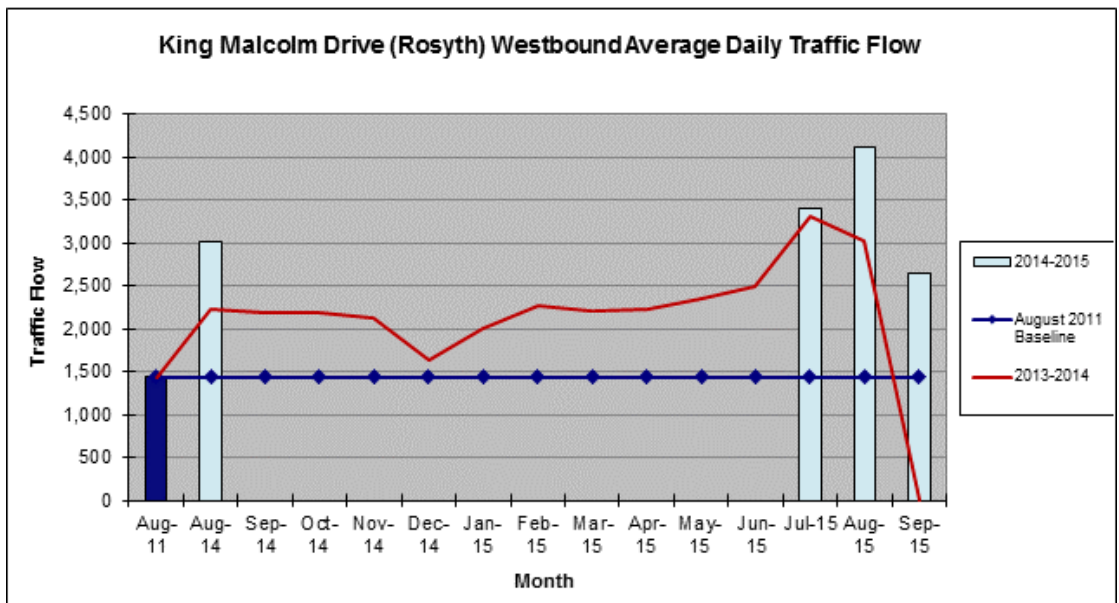


Figure 6-44 Monthly Westbound AADTs on the King Malcolm Drive (Rosyth)

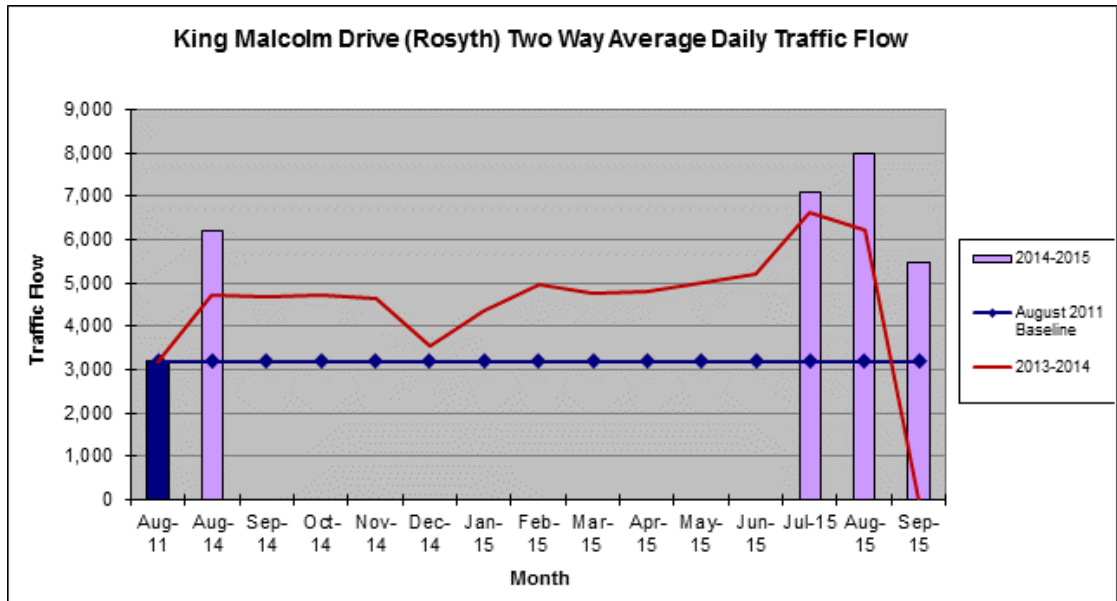


Figure 6-45 Monthly Two Way Daily Traffic Flows on the King Malcolm Drive (Rosyth)

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

Table 6-26 Site: JTC00588 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	873	906
		Aug-14	1,374	1,724
		Sep-14	No Data	No Data
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	No Data	No Data
		Jun-15	No Data	No Data
		Jul-15	1,498	1,831
		Aug-15	1,570	2,138
Sep-15	1,224	1,564		
	<b>Annual Average</b>	<b>1,436</b>	<b>1,778</b>	

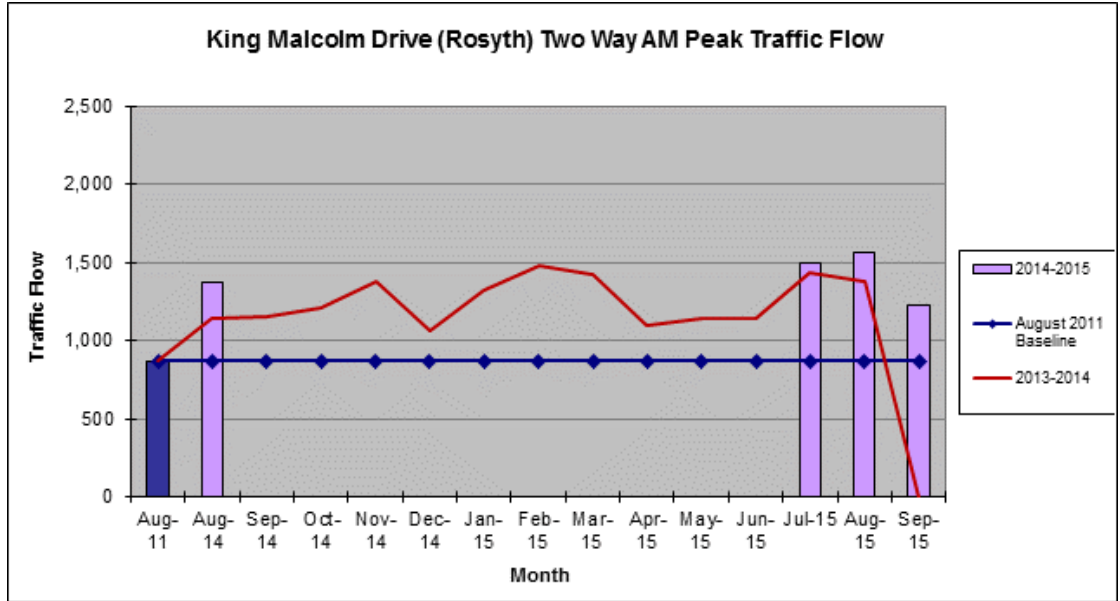


Figure 6-46 Monthly Two Way AM Peak Flows on the King Malcolm Drive (Rosyth)

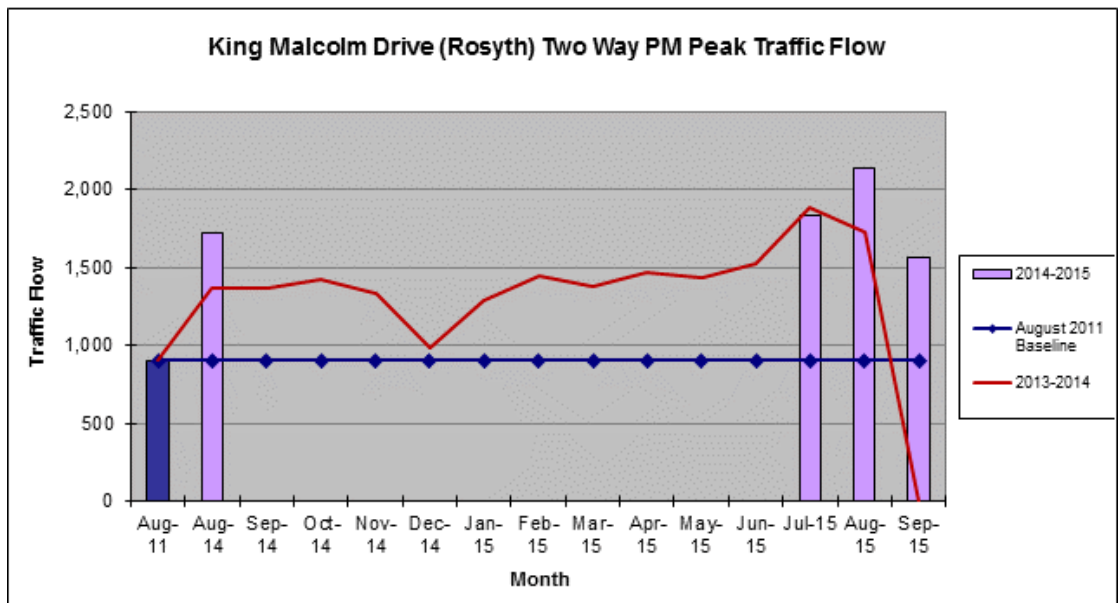


Figure 6-47 Monthly Two Way PM Peak Flows on the King Malcolm Drive (Rosyth)



### 6.7.3 Monthly Average HGV Flows

Table 6-27 Site: JTC00588 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00588	King Malcolm Drive (Rosyth)	Aug-11	156
		Aug-14	175
		Sep-14	No Data
		Oct-14	No Data
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	No Data
		May-15	No Data
		Jun-15	No Data
		Jul-15	223
		Aug-15	267
		Sep-15	253
		<b>Annual Average</b>	<b>199</b>

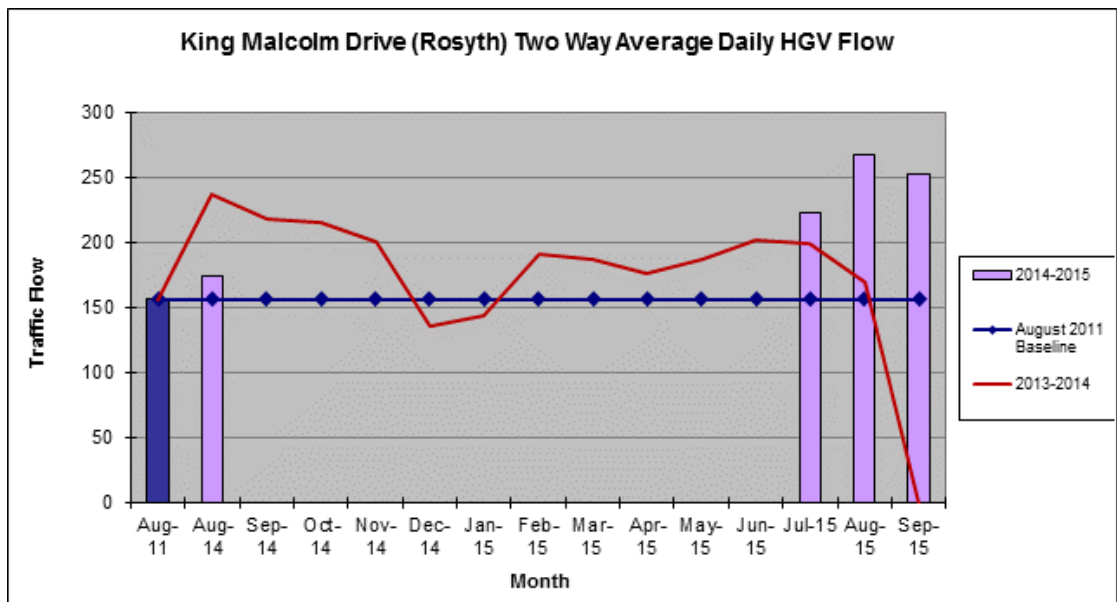


Figure 6-48 Monthly Two Way HGV Traffic Flows on the King Malcolm Drive (Rosyth)

6.7.4 Monthly Average All Vehicles Traffic Speeds

Table 6-28 Site: JTC00588 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	EB	WB
JTC00588	King Malcolm Drive (Rosyth)	Aug-14	40	44
		Sep-14	No Data	No Data
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	No Data	No Data
		Jun-15	No Data	No Data
		Jul-15	41	42
		Aug-15	40	41
		Sep-15	41	42

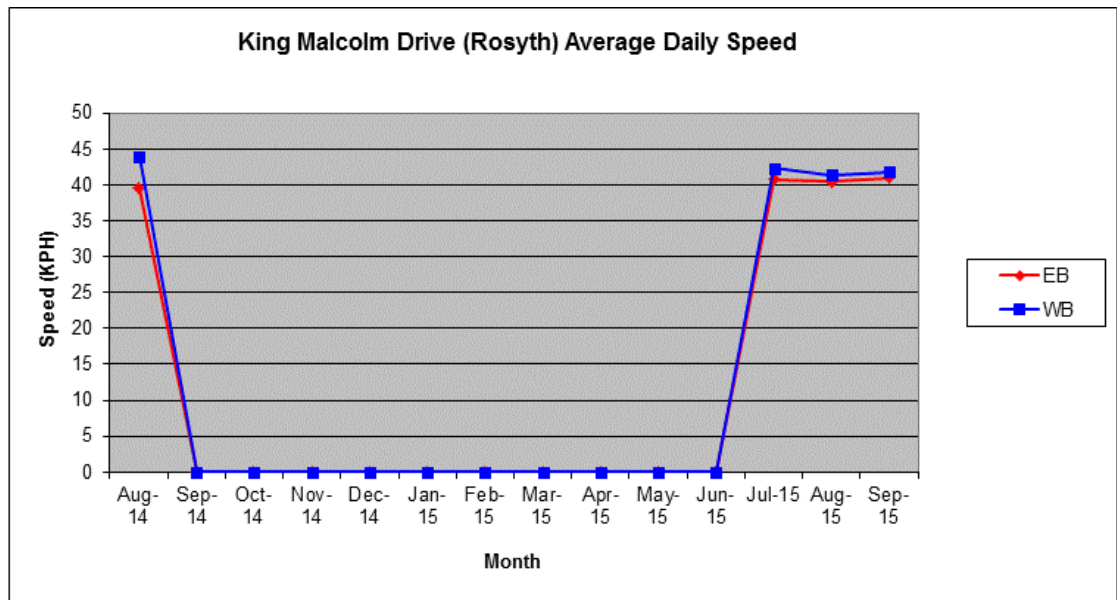


Figure 6-49 Average Monthly Traffic Speeds (KPH) on the King Malcolm Drive (Rosyth)

## 6.8 Traffic Counter JTC00593 - Main Street West (Dalmeny)

### 6.8.1 Monthly Average Traffic Flows

*Table 6-29 Site: JTC00593 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	EB	WB	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	518	372	890
		Aug-14	No Data	No Data	No Data
		Sep-14	587	378	965
		Oct-14	567	342	909
		Nov-14	570	343	913
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	No Data	No Data	No Data
		Apr-15	529	334	864
		May-15	No Data	No Data	No Data
		Jun-15	606	396	1,002
		Jul-15	544	380	924
		Aug-15	633	393	1,026
		Sep-15	639	399	1,038
			<b>Annual Average</b>	<b>567</b>	<b>362</b>

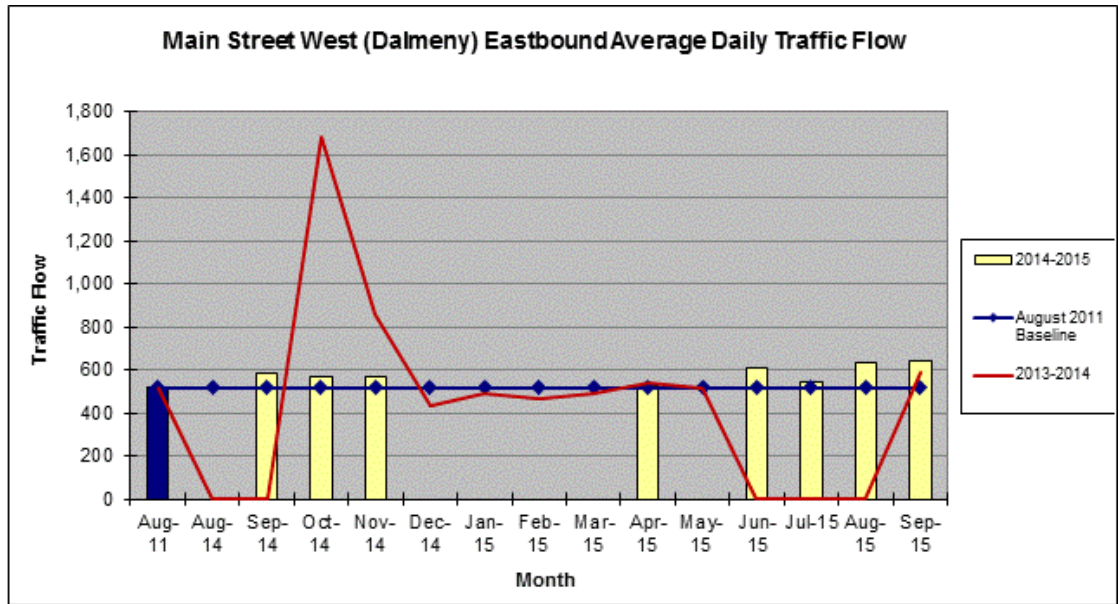


Figure 6-50 Monthly Eastbound AADTs on the Main Street West (Dalmeny)

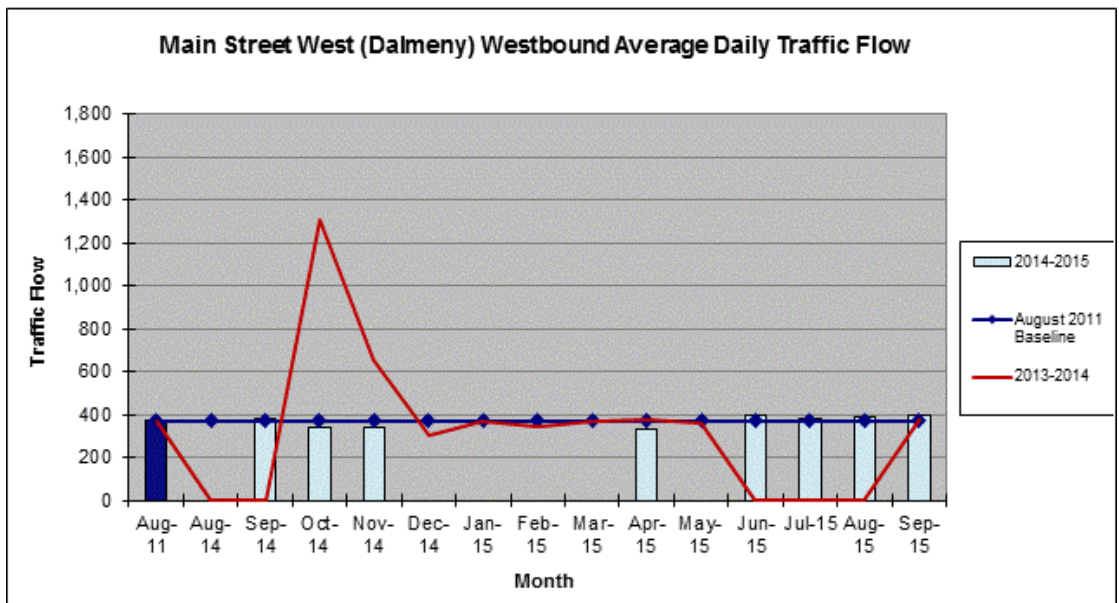


Figure 6-51 Monthly Westbound AADTs on the Main Street West (Dalmeny)

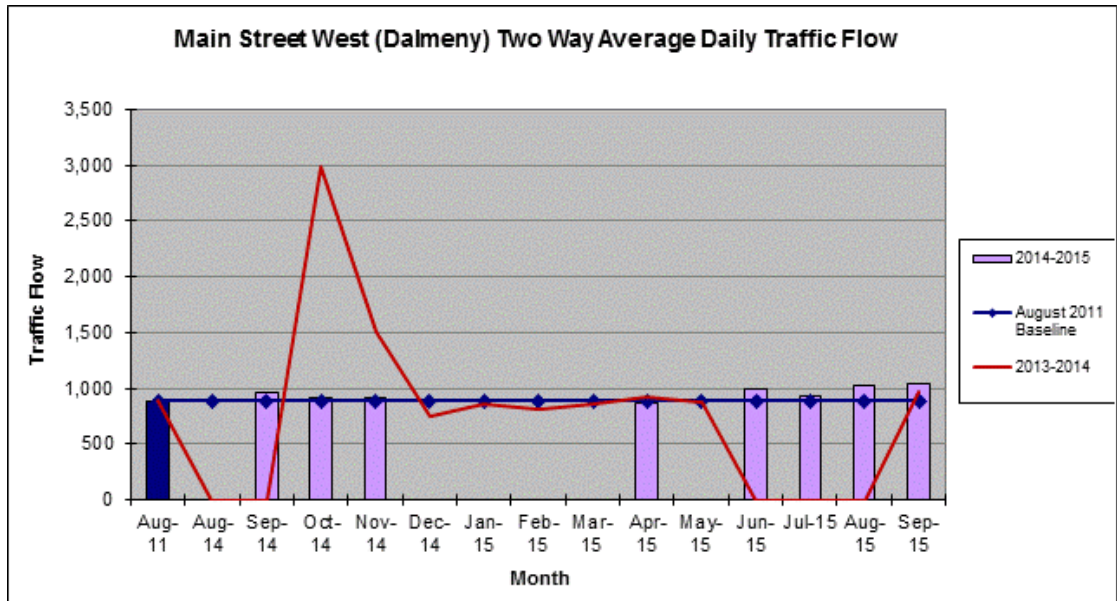


Figure 6-52 Monthly Two Way Daily Traffic Flows on the Main Street West (Dalmeny)

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

Table 6-30 Site: JTC00593 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00593	Main Street West (Dalmeny)	Aug-11	126	254
		Aug-14	No Data	No Data
		Sep-14	160	292
		Oct-14	136	276
		Nov-14	143	267
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	125	254
		May-15	No Data	No Data
		Jun-15	158	304
		Jul-15	141	276
		Aug-15	138	344
		Sep-15	168	342
	<b>Annual Average</b>	<b>144</b>	<b>278</b>	



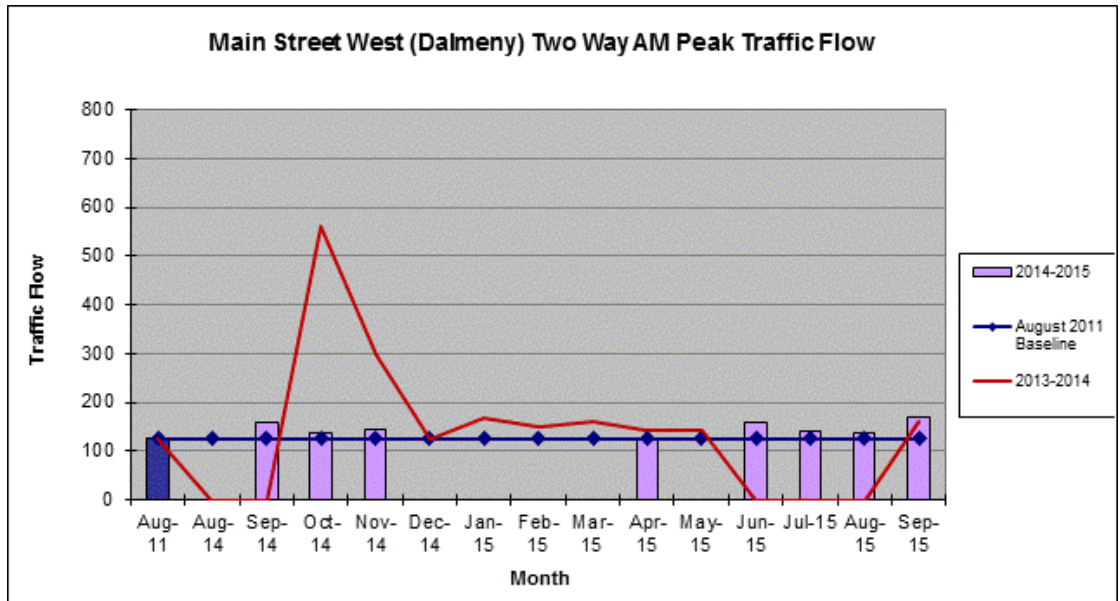


Figure 6-53 Monthly Two Way AM Peak Flows on the Main Street West (Dalmeny)

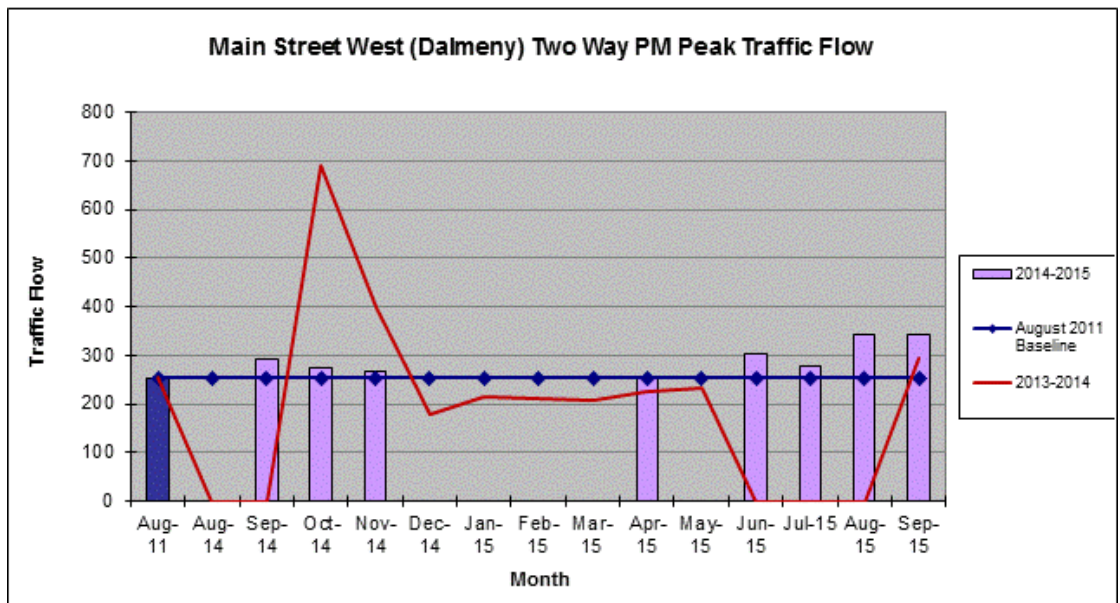


Figure 6-54 Monthly Two Way PM Peak Flows on the Main Street West (Dalmeny)

### 6.8.3 Monthly Average HGV Flows

Table 6-31 Site: JTC00593 Annual HGV Traffic Flows - August 2014 to September 2015

Counter	Location	Date	Two Way
JTC00593	Main Street West (Dalmeny)	Aug-11	59
		Aug-14	No Data
		Sep-14	17
		Oct-14	2
		Nov-14	3
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	12
		May-15	No Data
		Jun-15	10
		Jul-15	10
		Aug-15	11
		Sep-15	16

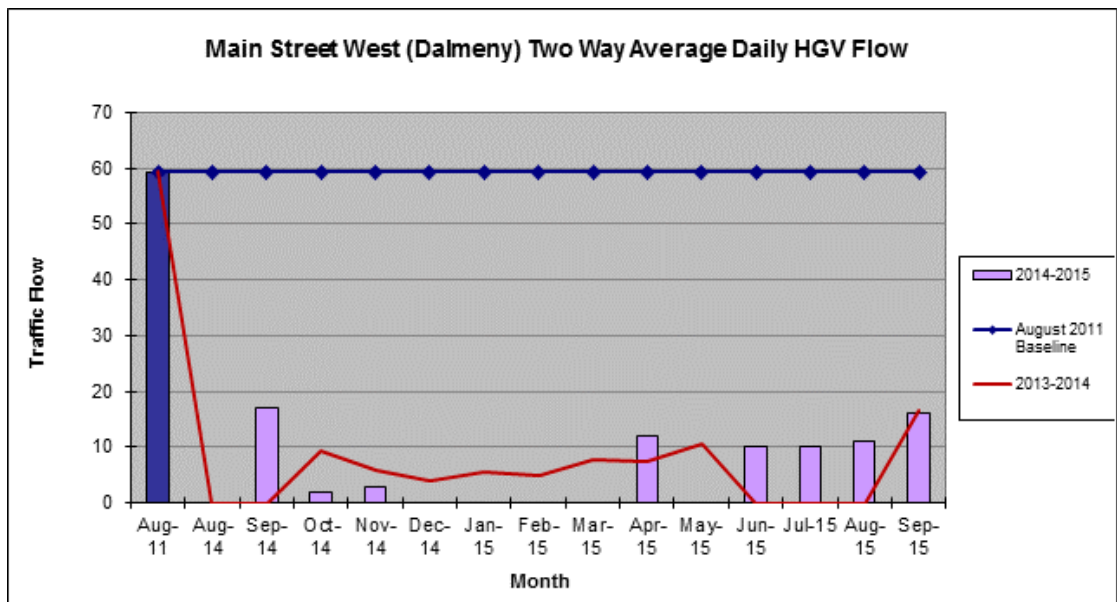
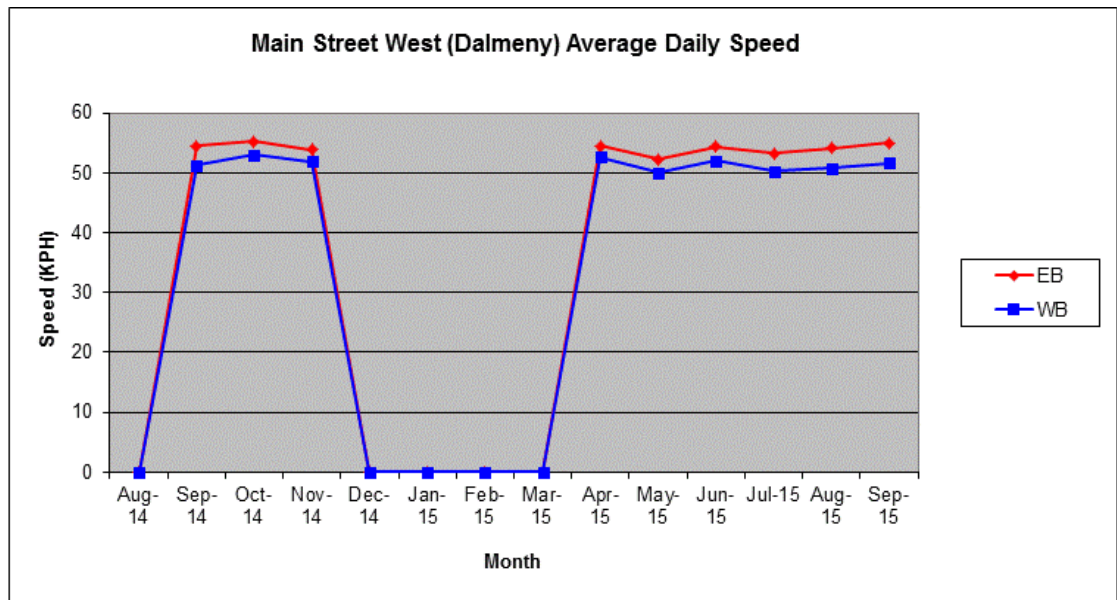


Figure 6-55 Monthly Two Way HGV Traffic Flows on the Main Street West (Dalmeny)

### 6.8.4 Monthly Average All Vehicles Traffic Speeds

**Table 6-32 Site: JTC00593 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	EB	WB
JTC00593	Main Street West (Dalmeny)	Aug-14	No Data	No Data
		Sep-14	55	51
		Oct-14	55	53
		Nov-14	54	52
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	54	53
		May-15	52	50
		Jun-15	54	52
		Jul-15	53	50
		Aug-15	54	51
		Sep-15	55	52



**Figure 6-56 Average Monthly Traffic Speeds (KPH) on the Main Street West (Dalmeny)**



## 6.9 Traffic Counter JTC00596 - Society Road (South Queensferry)

Summary of statistics between August 2014 and September 2015:

- Limited traffic flow data was available until August 2015. Traffic flows in August and September 2015 were similar to the August 2011 baseline.

### 6.9.1 Monthly Average Traffic Flows

**Table 6-33 Site: JTC00596 Annual Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	EB	WB	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	756	672	1,427
		Aug-14	No Data	No Data	No Data
		Sep-14	No Data	No Data	No Data
		Oct-14	No Data	No Data	No Data
		Nov-14	No Data	No Data	No Data
		Dec-14	No Data	No Data	No Data
		Jan-15	No Data	No Data	No Data
		Feb-15	No Data	No Data	No Data
		Mar-15	No Data	No Data	No Data
		Apr-15	No Data	No Data	No Data
		May-15	No Data	No Data	No Data
		Jun-15	No Data	No Data	No Data
		Jul-15	No Data	No Data	No Data
		Aug-15	711	787	1,498
		Sep-15	673	749	1,422
	<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	<b>No Data</b>	

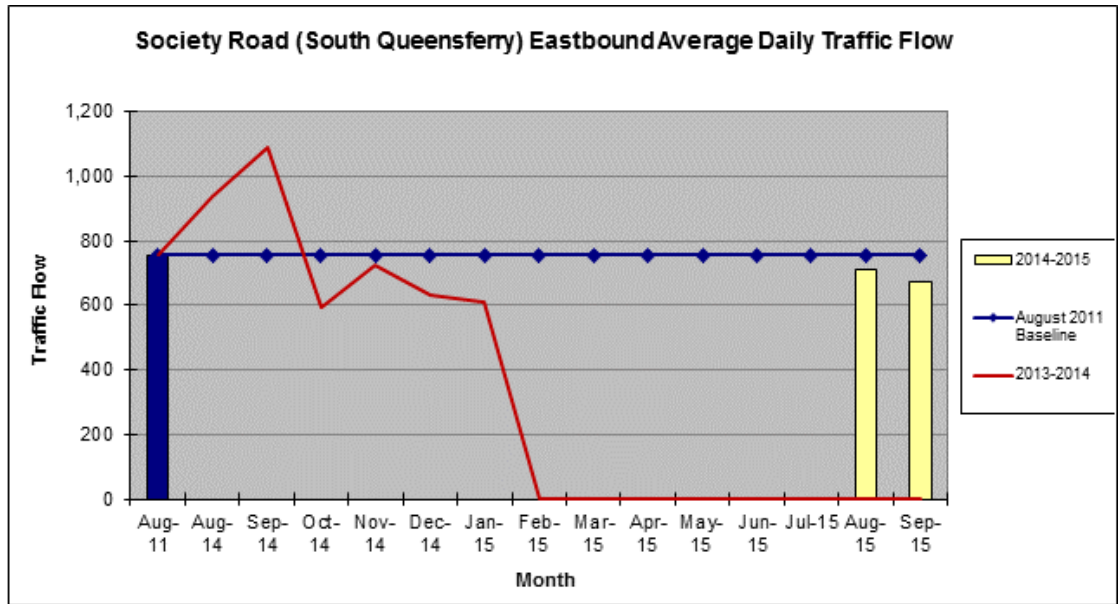


Figure 6-57 Monthly Eastbound AADTs on the Society Road (South Queensferry)

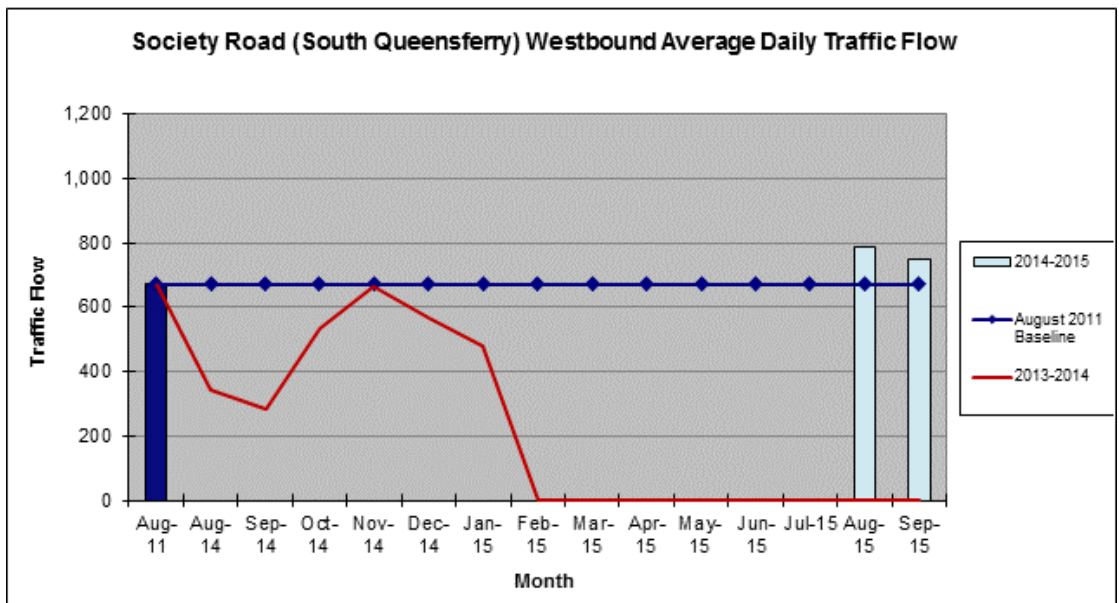


Figure 6-58 Monthly Westbound AADTs on the Society Road (South Queensferry)

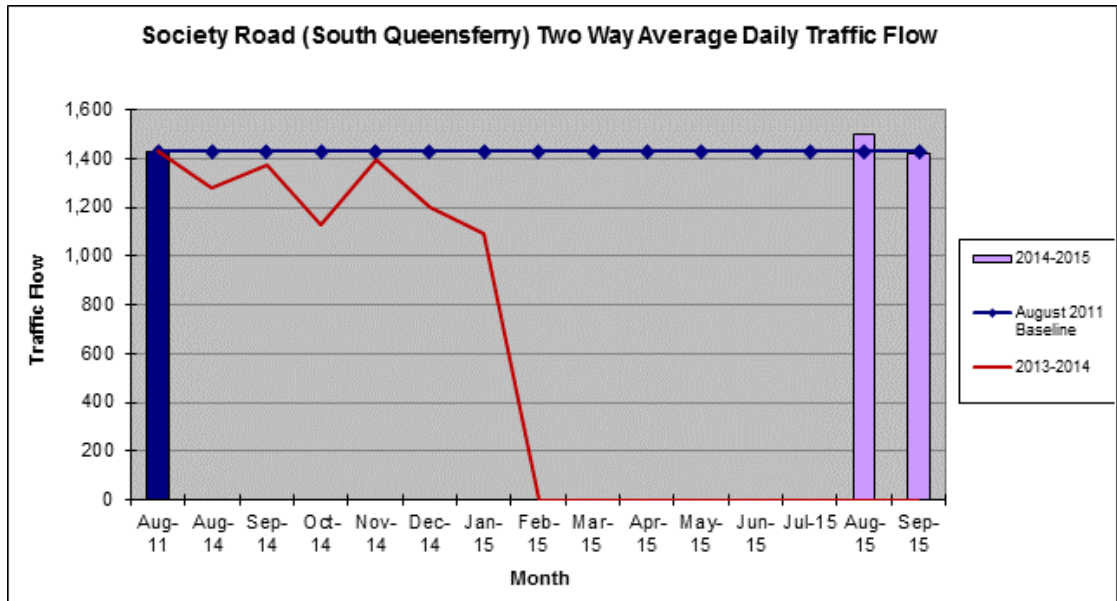


Figure 6-59 Monthly Two Way Daily Traffic Flows on the Society Road (South Queensferry)

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

Table 6-34 Site: JTC00596 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00596	Society Road (South Queensferry)	Aug-11	194	305
		Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	No Data	No Data
		Jun-15	No Data	No Data
		Jul-15	No Data	No Data
		Aug-15	237	308
		Sep-15	229	309
	<b>Annual Average</b>	<b>No Data</b>	<b>No Data</b>	

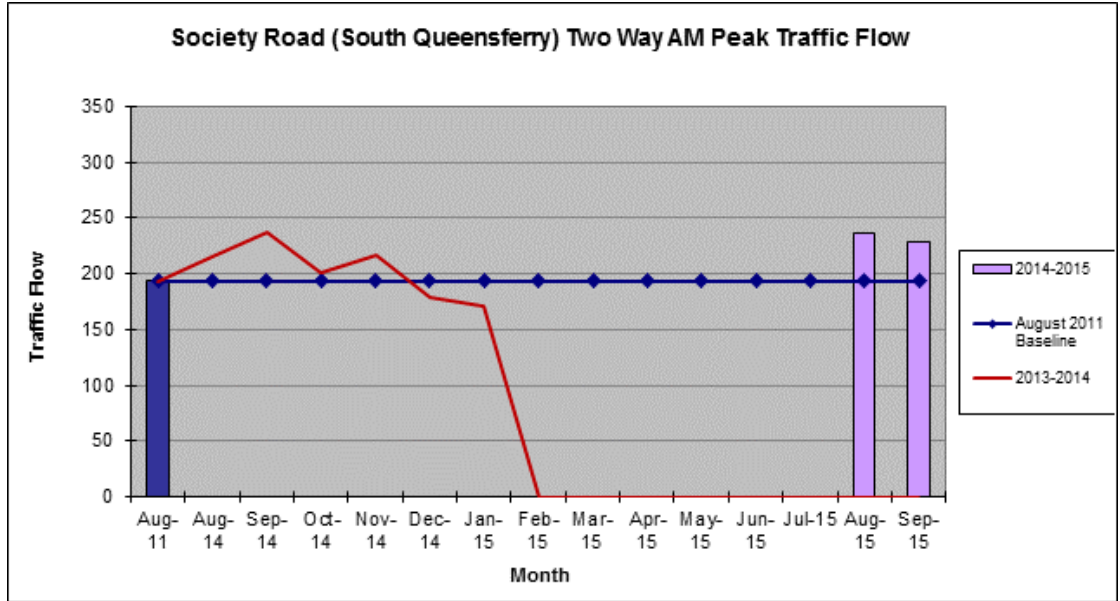


Figure 6-60 Monthly Two Way AM Peak Flows on the Society Road (South Queensferry)

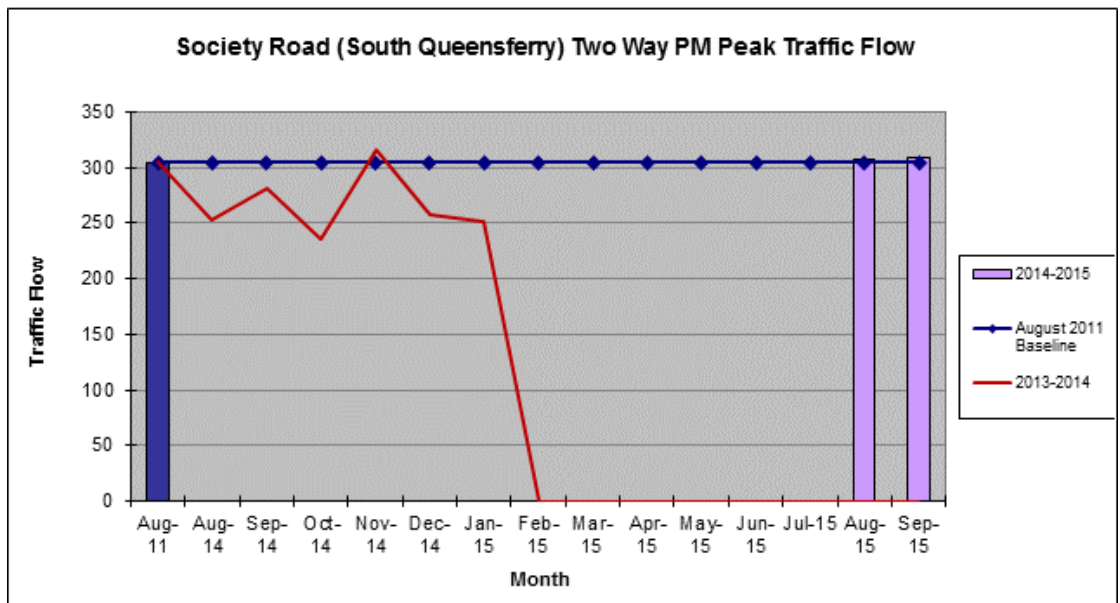


Figure 6-61 Monthly Two Way PM Peak Flows on the Society Road (South Queensferry)

### 6.9.3 Monthly Average HGV Flows

**Table 6-35 Site: JTC00596 Annual HGV Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	Two Way
JTC00596	Society Road (South Queensferry)	Aug-11	2
		Aug-14	No Data
		Sep-14	No Data
		Oct-14	No Data
		Nov-14	No Data
		Dec-14	No Data
		Jan-15	No Data
		Feb-15	No Data
		Mar-15	No Data
		Apr-15	No Data
		May-15	No Data
		Jun-15	No Data
		Jul-15	No Data
		Aug-15	0
		Sep-15	0
		<b>Annual Average</b>	<b>No Data</b>

6.9.4 Monthly Average All Vehicles Traffic Speeds

Table 6-36 Site: JTC00596 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015

Counter	Location	Date	EB	WB
JTC00596	Society Road (South Queensferry)	Aug-14	No Data	No Data
		Sep-14	No Data	No Data
		Oct-14	No Data	No Data
		Nov-14	No Data	No Data
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	No Data	No Data
		Apr-15	No Data	No Data
		May-15	No Data	No Data
		Jun-15	No Data	No Data
		Jul-15	No Data	No Data
		Aug-15	37	37
		Sep-15	38	38

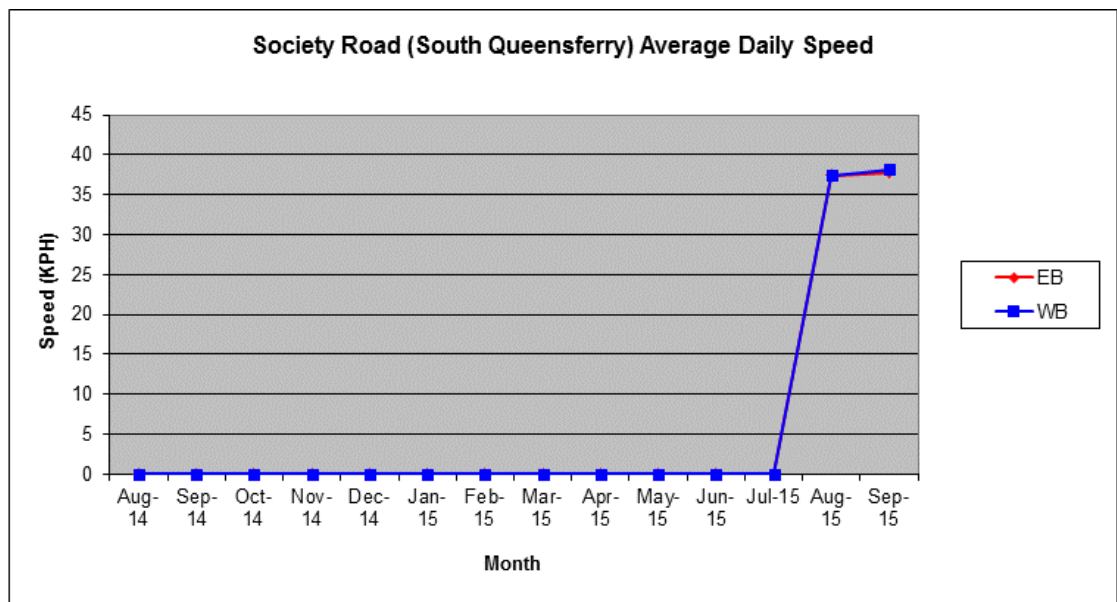


Figure 6-62 Average Monthly Traffic Speeds (KPH) on the Society Road (South Queensferry)

## 6.10 Traffic Counter JTC00597 - Society Road (West of Port Edgar)

### 6.10.1 Monthly Average Traffic Flows

*Table 6-37 Site: JTC00597 Annual Traffic Flows - August 2014 to September 2015*

Counter	Location	Date	EB	WB	Two Way
JTC00597	Society Road (West of Port Edgar)	Aug-11	378	368	746
		Aug-14	339	331	670
		Sep-14	314	308	622
		Oct-14	281	264	545
		Nov-14	280	256	536
		Dec-14	No Data	No Data	No Data
		Jan-15	231	204	435
		Feb-15	No Data	No Data	No Data
		Mar-15	272	247	519
		Apr-15	330	314	644
		May-15	No Data	No Data	No Data
		Jun-15	361	351	712
		Jul-15	345	324	669
		Aug-15	369	354	723
		Sep-15	321	311	632
	<b>Annual Average</b>	<b>306</b>	<b>289</b>	<b>595</b>	

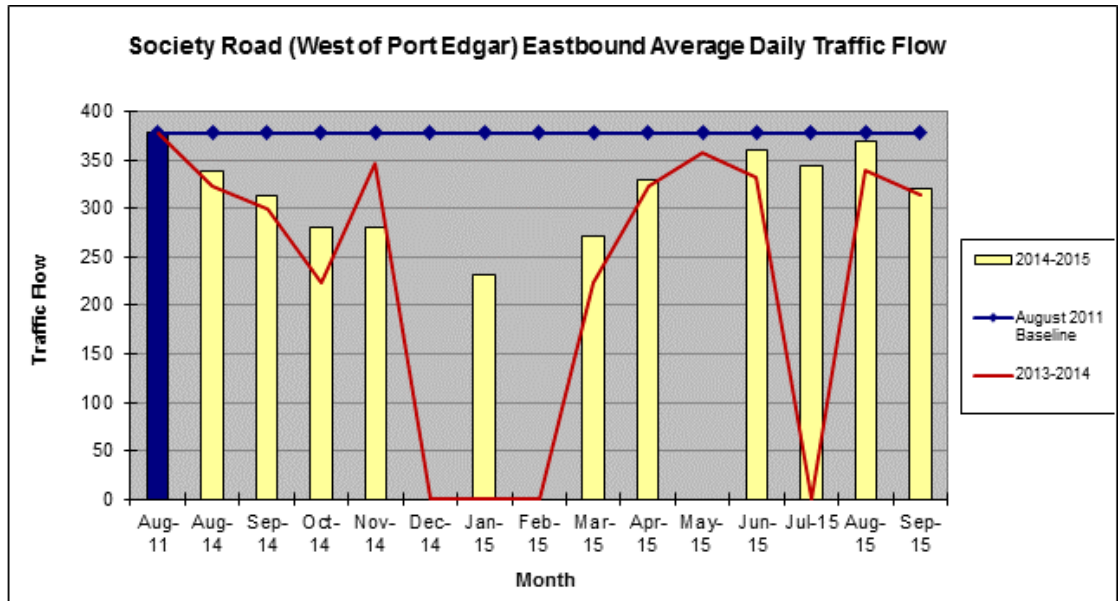


Figure 6-63 Monthly Eastbound AADTs on the Society Road (West of Port Edgar)

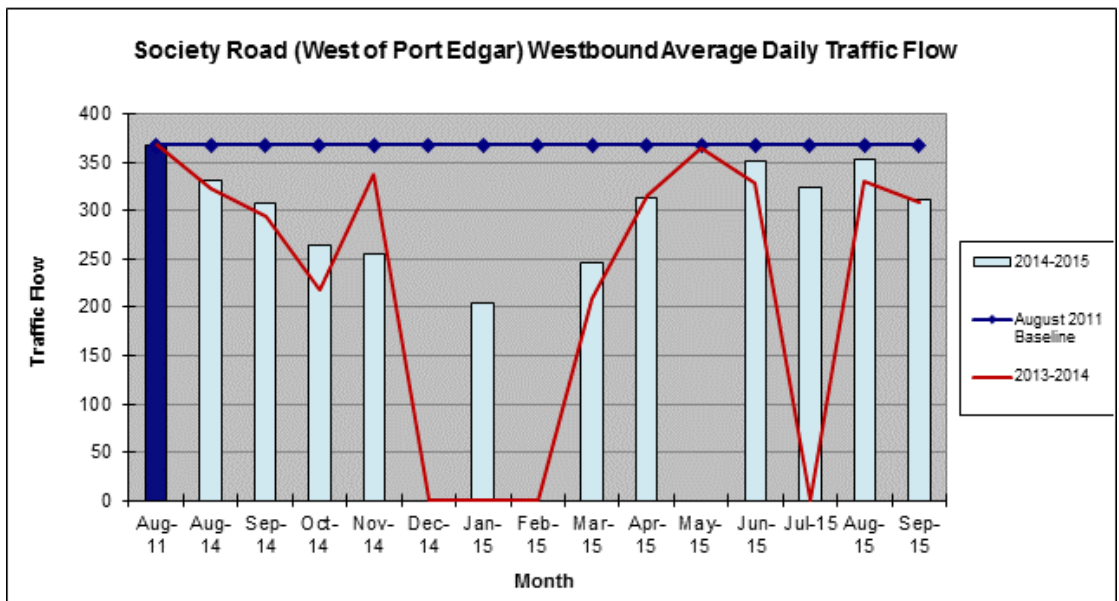


Figure 6-64 Monthly Westbound AADTs on the Society Road (West of Port Edgar)



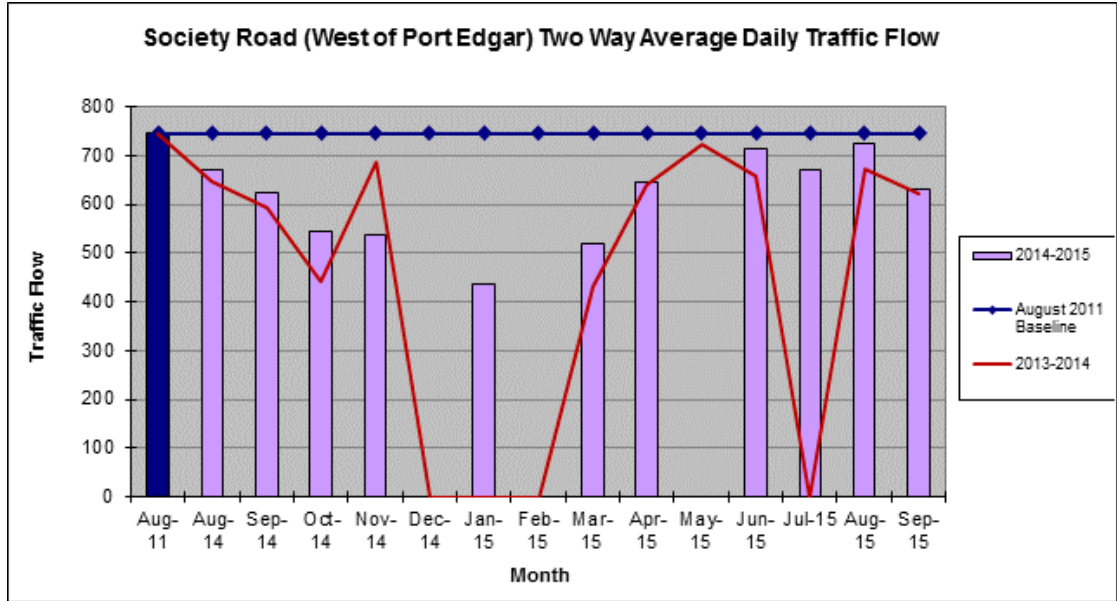


Figure 6-65 Monthly Two Way Daily Traffic Flows on the Society Road (West of Port Edgar)

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

Table 6-38 Site: JTC00597 Two Way AM and PM Peak Traffic Flows - August 2014 to September 2015

Counter	Location	Date	AM	PM
JTC00597	Society Road (West of Port Edgar)	Aug-11	90	137
		Aug-14	78	138
		Sep-14	71	135
		Oct-14	75	114
		Nov-14	44	122
		Dec-14	No Data	No Data
		Jan-15	35	97
		Feb-15	No Data	No Data
		Mar-15	46	119
		Apr-15	77	129
		May-15	No Data	No Data
		Jun-15	89	140
		Jul-15	74	132
		Aug-15	80	148
Sep-15	70	135		
	<b>Annual Average</b>	<b>65</b>	<b>125</b>	

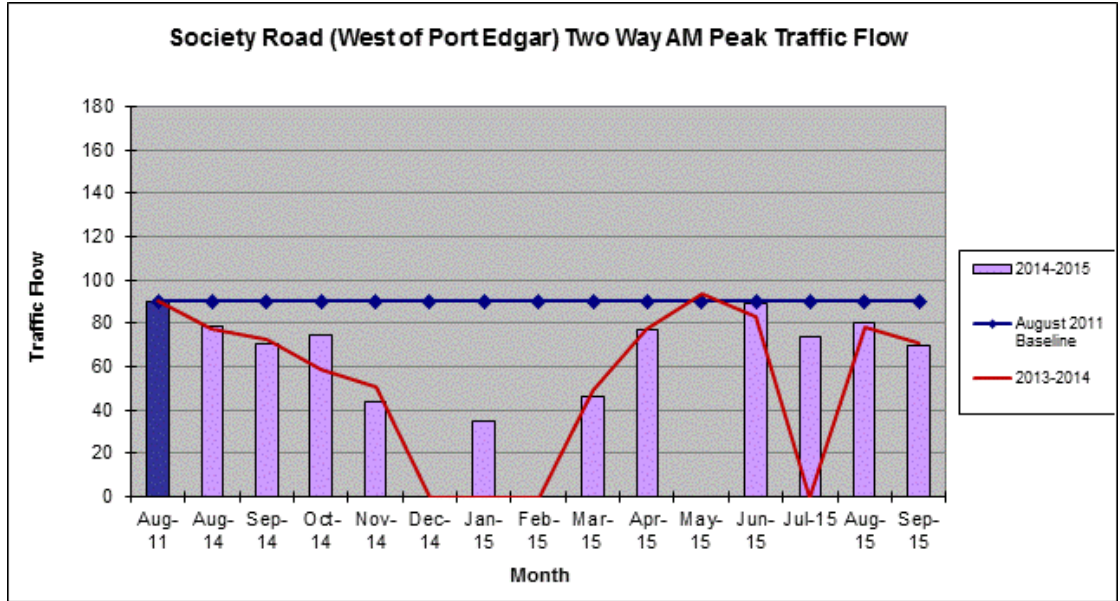


Figure 6-66 Monthly Two Way AM Peak Flows on the Society Road (West of Port Edgar)

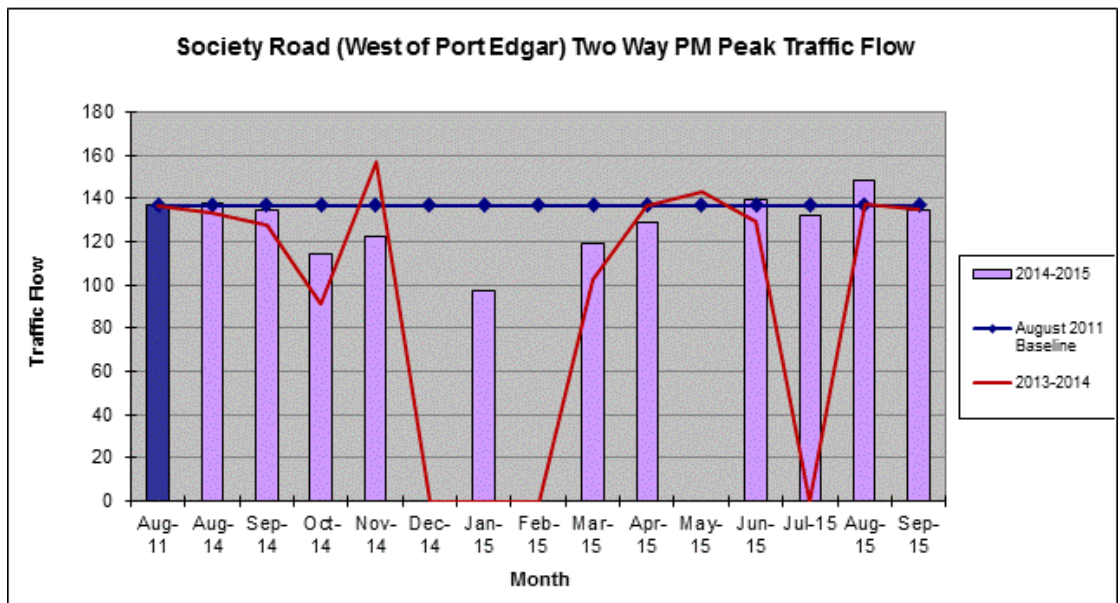


Figure 6-67 Monthly Two Way PM Peak Flows on the Society Road (West of Port Edgar)

### 6.10.3 Monthly Average HGV Flows

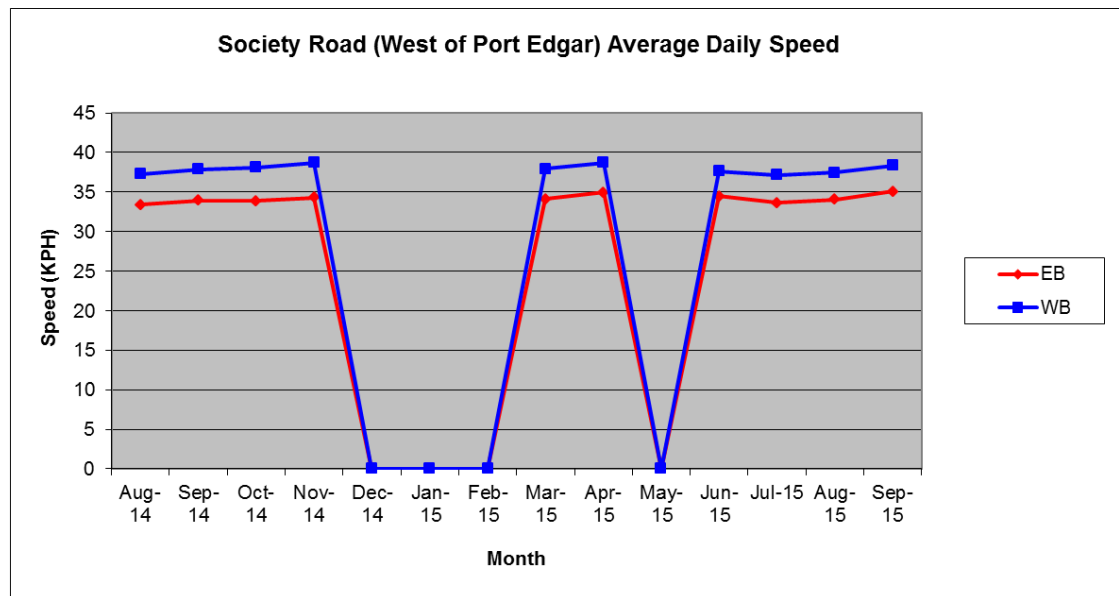
**Table 6-39 Site: JTC00597 Annual HGV Traffic Flows - August 2014 to September 2015**

Counter	Location	Date	Two Way
JTC00597	Society Road (West of Port Edgar)	Aug-11	1
		Aug-14	0
		Sep-14	0
		Oct-14	0
		Nov-14	0
		Dec-14	No Data
		Jan-15	0
		Feb-15	No Data
		Mar-15	0
		Apr-15	0
		May-15	No Data
		Jun-15	0
		Jul-15	0
		Aug-15	0
		Sep-15	0

### 6.10.4 Monthly Average All Vehicles Traffic Speeds

**Table 6-40 Site: JTC00597 Average Monthly Traffic Speeds (KPH) (All Vehicles)- August 2014 to September 2015**

Counter	Location	Date	EB	WB
JTC00597	Society Road (West of Port Edgar)	Aug-14	33	37
		Sep-14	34	38
		Oct-14	34	38
		Nov-14	34	39
		Dec-14	No Data	No Data
		Jan-15	No Data	No Data
		Feb-15	No Data	No Data
		Mar-15	34	38
		Apr-15	35	39
		May-15	No Data	No Data
		Jun-15	34	38
		Jul-15	34	37
		Aug-15	34	37
		Sep-15	35	38



**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), since monitoring started in September 2011, 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.

The strategic journey time surveys are undertaken on an annual basis in September, with at least four runs in each direction for the following time periods:

- AM (07:00 – 09:00); and
- PM (16:00 – 18:00)

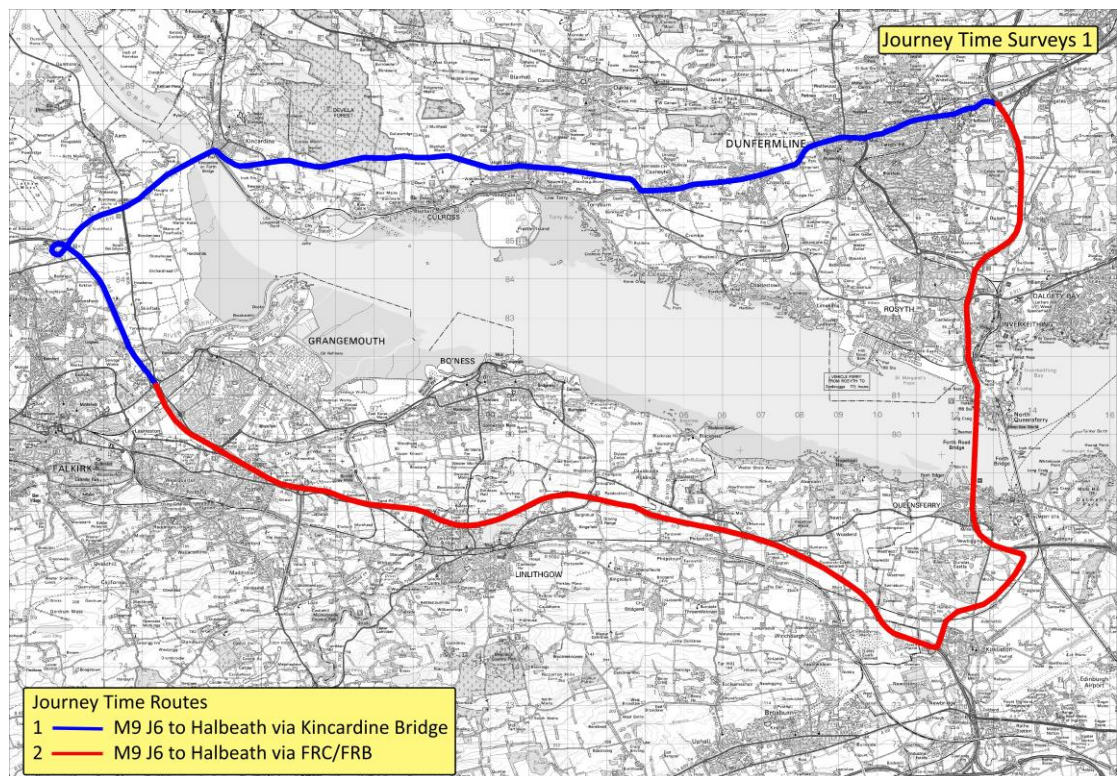


Figure 7-1 Strategic Journey Time Routes



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 Gait 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.

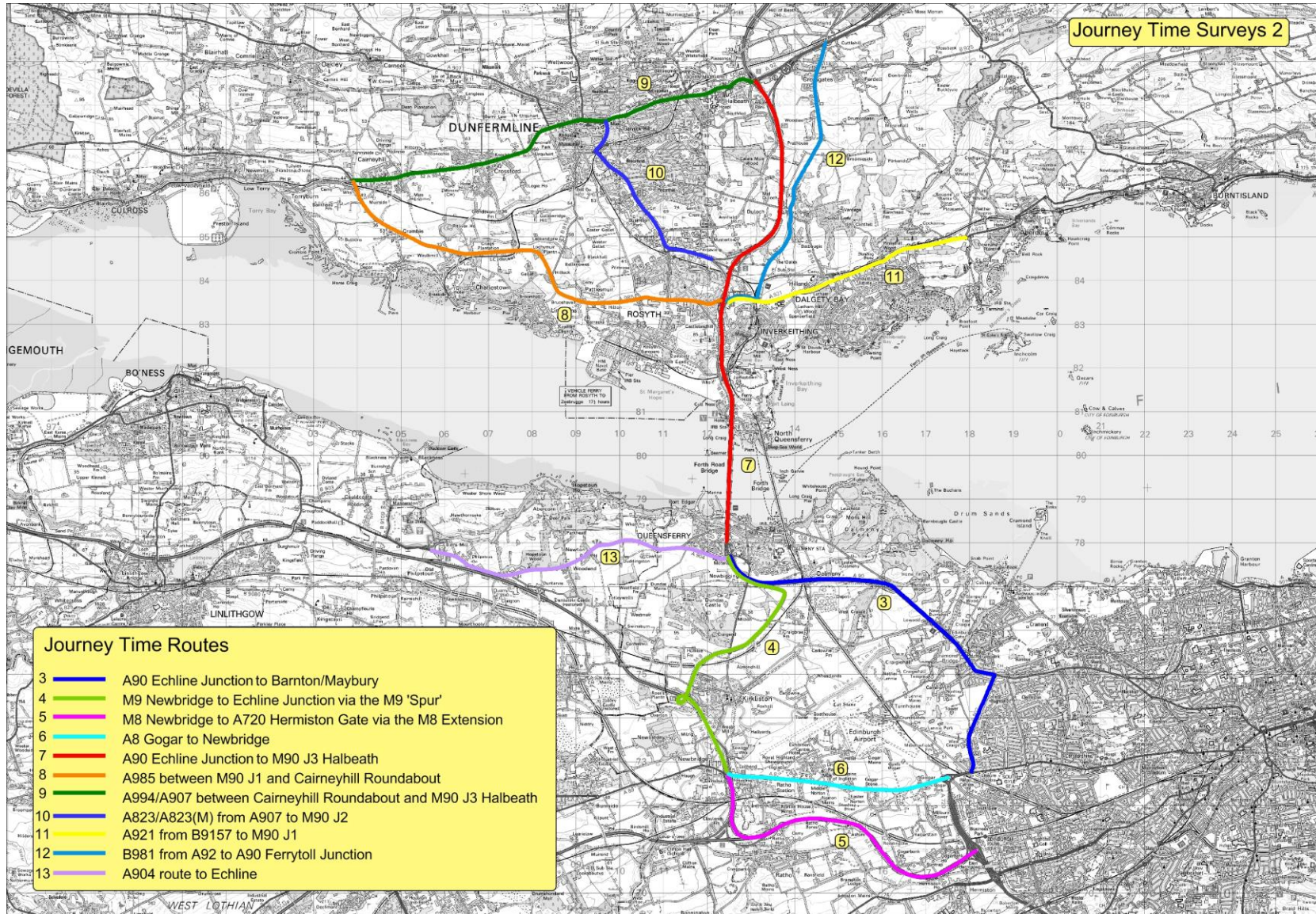


Figure 7-2 Local Journey Time Routes

Each local route is 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 are undertaken on a Tuesday, Wednesday or Thursday for the purposes of recording typical weekday journey times. The monitoring team ensures that the journey times, recorded over the course of a month, are spread across each of these day types to provide a representative and robust survey sample of weekday periods.

The following items are 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.



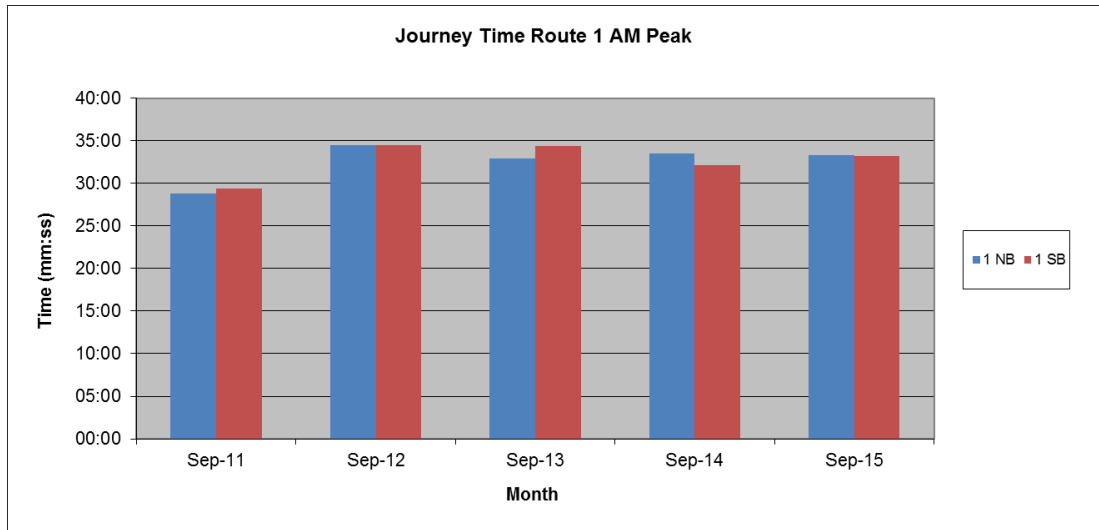
## 7.2 Route 1 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge



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-11	1	30.5	00:28:49	2	29.3	00:29:25
	Sep-12	2	30.2	00:34:27	4	29.1	00:34:30
	Sep-13	4	30.2	00:32:55	2	29.2	00:34:25
	Sep-14	4	30.4	00:33:33	4	29.2	00:32:07
	Sep-15	4	30.2	00:33:22	3	29.2	00:33:11

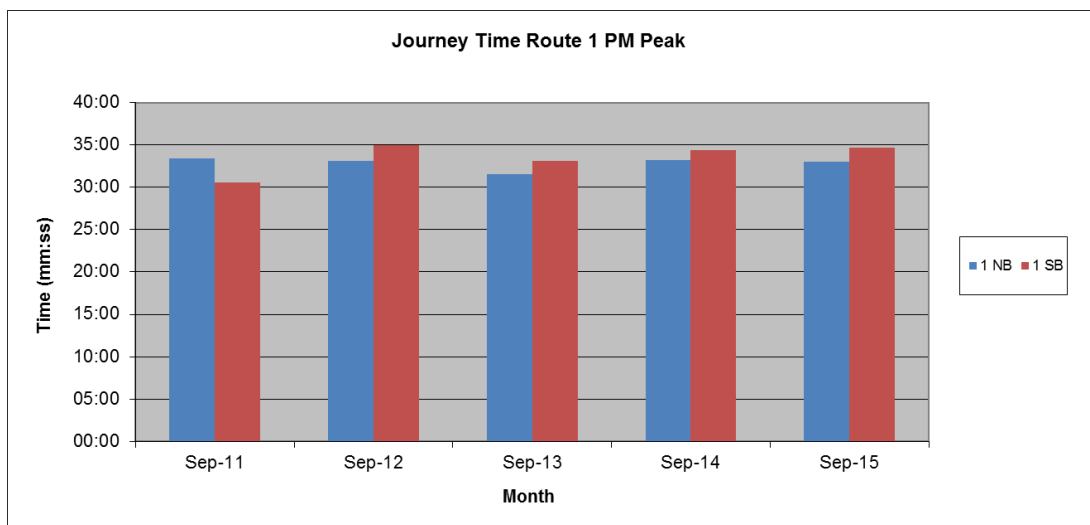


**Figure 7-4 Route 1 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge AM Peak**

As shown in Figure 7-4, journey times in the September 2015 AM Peak were similar to those recorded in September 2014, with a slight increase in the southbound direction. Journey times in both directions are higher than those recorded in September 2011.

**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-11	1	30.3	00:33:22	1	29.2	00:30:33
	Sep-12	4	30.4	00:33:07	4	29.2	00:35:01
	Sep-13	3	30.2	00:31:31	5	23.3	00:33:05
	Sep-14	4	30.0	00:33:12	4	29.3	00:34:22
	Sep-15	3	30.2	00:32:58	4	29.1	00:34:42



**Figure 7-5 Route 1 M9 Junction 6 to M90 Halbeath Junction via Kincardine Bridge PM Peak**

As illustrated in Figure 7-5, September 2015 PM Peak journey times were comparable with those recorded in September 2014, in both directions. Southbound

journey times remained approximately four minutes longer compared to September 2011. Northbound journey times were approximately half a minute less compared to September 2011.

7.3 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB

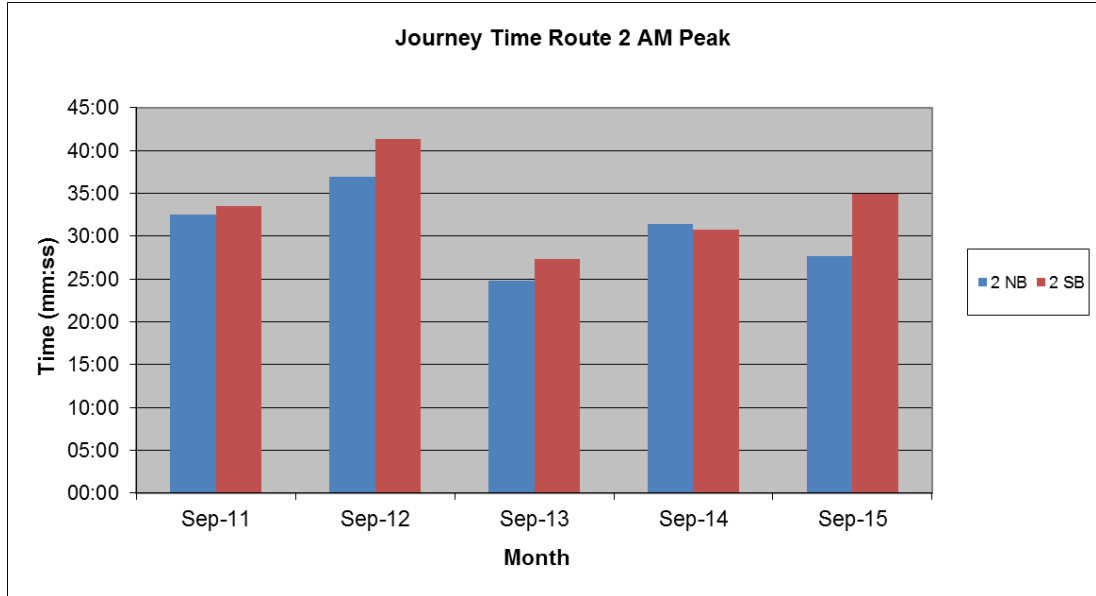


Figure 7-6 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB

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-11	1	44.9	00:32:29	2	44.2	00:33:29
	Sep-12	2	44.4	00:36:55	3	44.0	00:41:19
	Sep-13	2	39.3	00:24:51	3	39.7	00:27:21
	Sep-14	4	38.8	00:31:22	3	40.1	00:30:43
	Sep-15	4	39.7	00:27:43	3	40.0	00:34:54





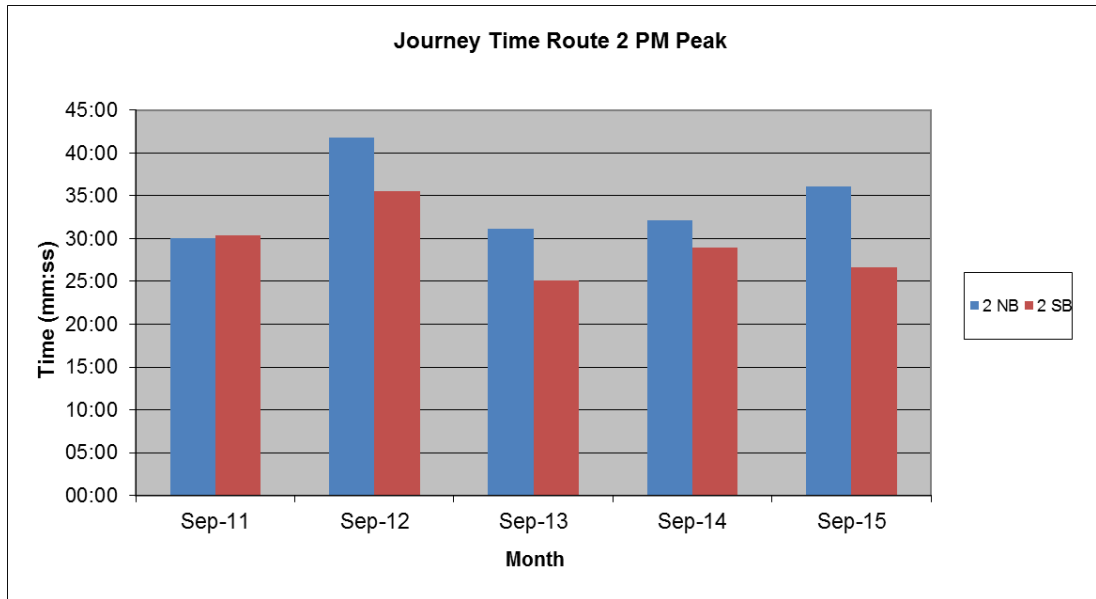
**Figure 7-7 Route 2 M9 Junction 6 to M90 Halbeath Junction via FRC / FRB AM Peak**

In the AM Peak, the journey time decreased by approximately four minutes in the northbound direction, due to traffic being more free flowing than in the previous year’s surveys. Journey times increased by approximately four minutes in the southbound direction, from September 2014 to September 2015, due to slow moving traffic experienced on the approach to the FRB in the 2015 runs.

Compared to September 2011, northbound journey times decreased by approximately five minutes and southbound journey times increased by around a minute and a half.

**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-11	3	44.9	00:30:05	1	44.2	00:30:24
	Sep-12	3	44.6	00:41:51	2	44.0	00:35:30
	Sep-13	3	38.2	00:31:11	2	38.1	00:25:05
	Sep-14	4	39.8	00:32:07	4	40.0	00:28:59
	Sep-15	4	39.7	00:36:05	4	40.1	00:26:40



**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 four minutes in the northbound direction due to slow moving traffic from Scotstoun to the FRB experienced during the 2015 surveys.

In the southbound direction, journey time decreased by approximately two minutes. Compared to September 2011, journey times increased by approximately six minutes in the northbound direction and decreased by around four 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-14	1	9.0	00:17:06	1	8.8	00:08:39
	Oct-14	1	9.0	00:18:52	1	8.8	00:08:04
	Nov-14	1	9.0	00:25:28	1	8.9	00:08:38
	Dec-14	1	8.9	00:21:45	1	8.8	00:07:39
	Jan-15	1	9.0	00:25:07	1	8.8	00:07:14
	Feb-15	1	9.0	00:37:49	1	8.8	00:07:43
	Mar-15	1	9.0	00:24:27	1	8.8	00:07:30
	Apr-15	1	8.9	00:13:32	1	8.8	00:07:13
	May-15	1	9.0	00:23:18	1	8.8	00:07:25
	Jun-15	1	9.0	00:30:51	1	8.6	00:07:24
	Jul-15	1	9.0	00:14:30	1	8.8	00:07:26
	Aug-15	1	8.9	00:20:16	1	8.8	00:07:49
Sep-15	1	9.0	00:17:16	1	8.8	00:12:22	

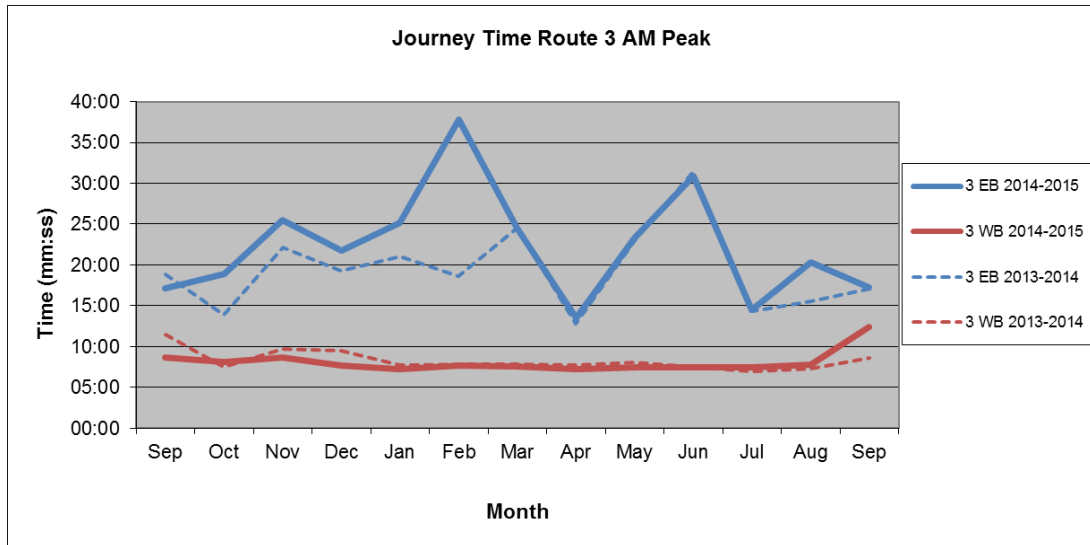


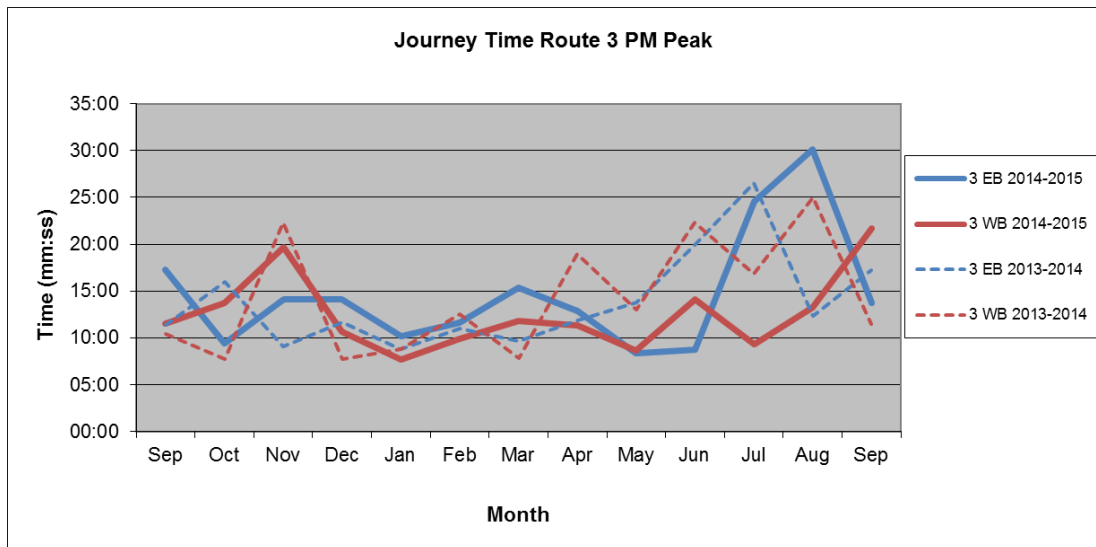
Figure 7-10 Route 3 A90 Echline Junction to Maybury Junction AM Peak

In the AM Peak, there was a high degree of variation in journey times in the eastbound direction, with particularly high journey times recorded in February due to stop start traffic from the start of the A90 to Crammond, and in June due to separate incidents involving broken down buses on the A90 and at Barnton. In the westbound direction, journey times were generally consistent throughout the monitoring period, between seven and nine minutes, with the exception of just over 12 minutes in September 2015 due to congestion on the A90 into Edinburgh.

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-14	1	9.0	00:17:14	1	8.7	00:11:30
	Oct-14	1	9.0	00:09:25	1	8.9	00:13:44
	Nov-14	1	9.0	00:14:05	1	8.8	00:19:40
	Dec-14	1	9.0	00:14:08	1	8.8	00:10:37
	Jan-15	1	8.9	00:10:09	1	8.7	00:07:40
	Feb-15	1	9.0	00:11:39	1	8.8	00:09:53
	Mar-15	1	9.0	00:15:22	1	8.8	00:11:48
	Apr-15	1	8.9	00:12:53	1	8.8	00:11:20
	May-15	1	8.9	00:08:20	1	8.8	00:08:36
	Jun-15	1	9.0	00:08:42	1	8.8	00:14:07
	Jul-15	1	8.9	00:24:35	1	8.9	00:09:21
	Aug-15	1	9.0	00:30:06	1	8.9	00:13:16
Sep-15	1	9.0	00:13:42	1	8.9	00:21:43	





**Figure 7-11 Route 3 A90 Echline Junction to Maybury Junction PM Peak**

During the PM Peak within the 2014-2015 dataset, there was a high degree of variation between journey times in both directions. In the eastbound direction, particularly high journey times were recorded in July due to heavy congestion on the approach to traffic lights at the junction between Maybury Road and the A8. In August a particularly high time of over 30 minutes was recorded, due to an accident on Queensferry Road, which affected all traffic in the surrounding area. In the westbound direction, higher than average journey times were recorded in November due to congestion on the approach to the Maybury Road/A90 junction, and in September due to queuing at Barnton and Echline.

## 7.5 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur

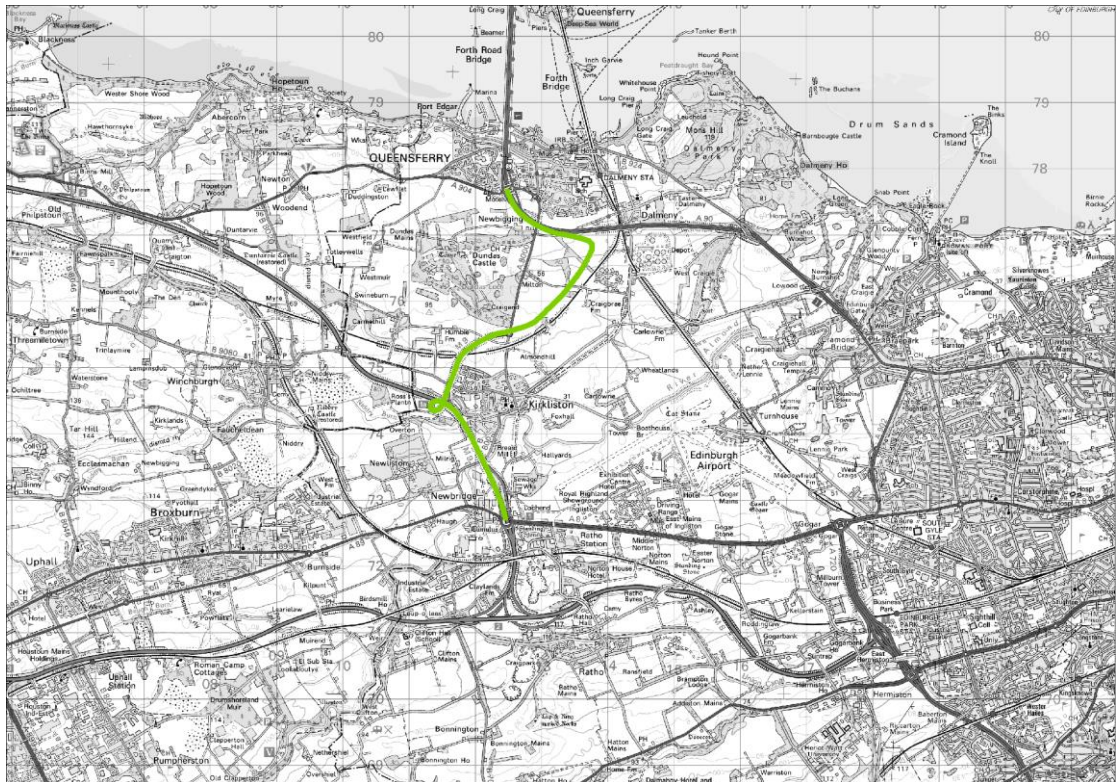
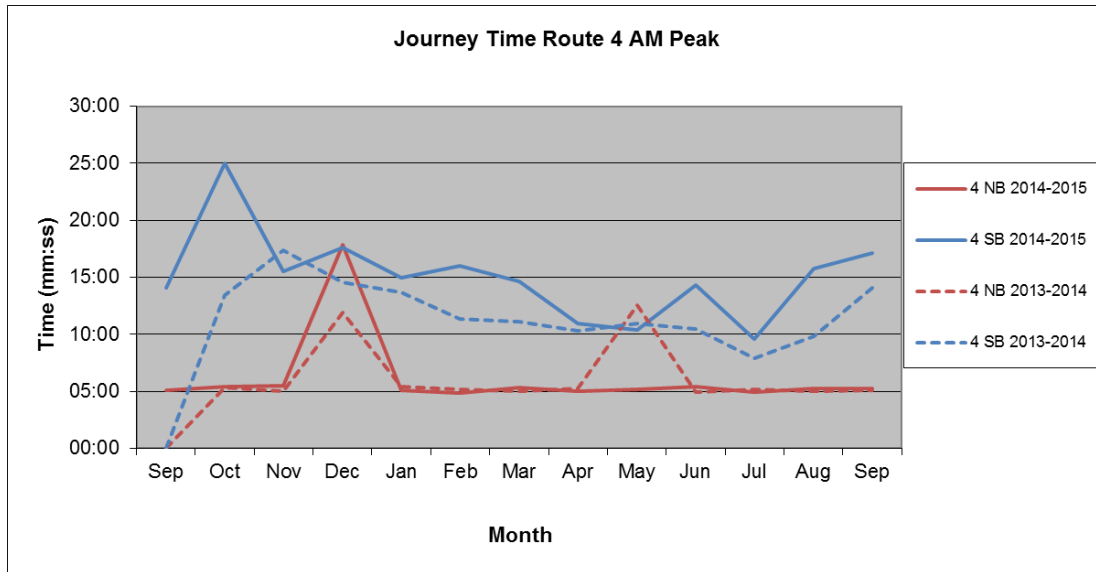


Figure 7-12 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur

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-14	1	7.4	00:05:07	1	6.9	00:14:04
	Oct-14	1	7.5	00:05:25	1	6.9	00:25:00
	Nov-14	1	7.5	00:05:28	1	6.9	00:15:31
	Dec-14	1	7.4	00:17:50	1	6.9	00:17:35
	Jan-15	1	7.4	00:05:05	1	5.9	00:14:56
	Feb-15	1	7.4	00:04:52	1	6.9	00:16:01
	Mar-15	1	7.5	00:05:22	1	6.9	00:14:40
	Apr-15	1	7.5	00:05:00	1	6.9	00:10:57
	May-15	1	7.5	00:05:08	1	6.9	00:10:23
	Jun-15	1	7.5	00:05:25	1	6.9	00:14:21
	Jul-15	1	7.4	00:04:58	1	6.9	00:09:34
	Aug-15	1	7.5	00:05:17	1	6.9	00:15:48
Sep-15	1	7.5	00:05:16	1	6.9	00:17:10	



**Figure 7-13 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur AM Peak**

From review of Figure 7-14, the southbound journey times were generally higher compared to the northbound journey times during the AM Peak, with a particularly high time recorded in October due to heavy congestion experienced over the whole route.

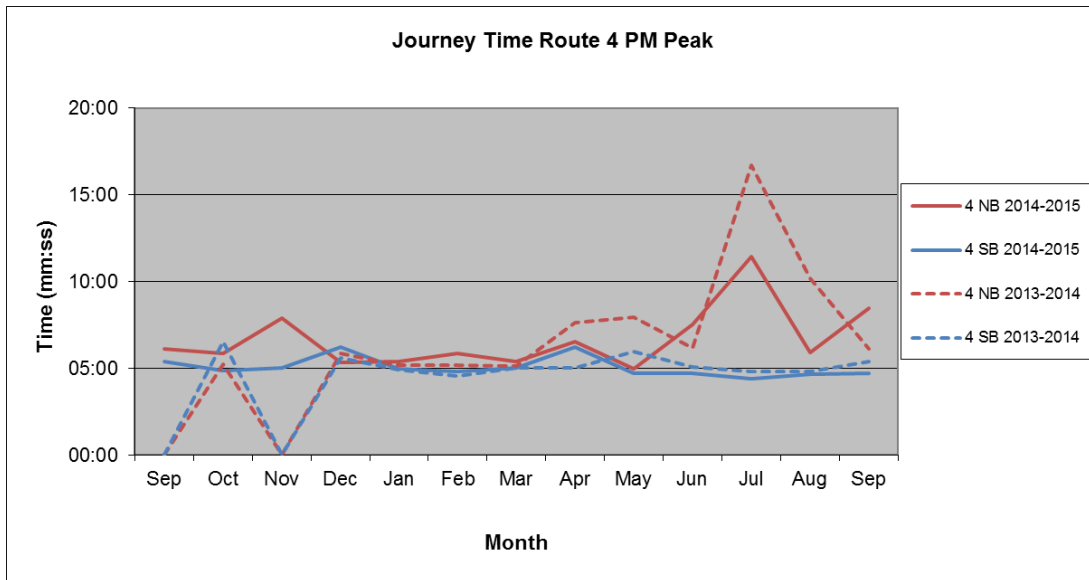
There was a 40mph speed limit in place from Echline to Scotstoun throughout November which caused traffic to move slowly in the southbound direction.

A particularly high time of 25 minutes was recorded in October 2014 when adverse weather conditions were reported.

The journey time in the northbound direction was particularly high in December, where congestion was experienced from the M90 Spur to the FRB. The northbound journey time throughout the rest of the monitoring period remained consistent at approximately five minutes.

**Table 7-8 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur PM Peak**

Route Description	Date	Northbound			Southbound		
		No. of Runs	Ave. Distance (KM)	Ave. Time	No. of Runs	Ave. Distance (KM)	Ave. Time
Route 4 - M9 Newbridge Junction to Echline Junction via the M9 Spur	Sep-14	1	7.4	00:06:08	1	6.9	00:05:22
	Oct-14	1	7.4	00:05:52	1	6.9	00:04:53
	Nov-14	1	7.4	00:07:54	1	6.9	00:05:01
	Dec-14	1	7.4	00:05:19	1	6.9	00:06:15
	Jan-15	1	7.4	00:05:25	1	6.9	00:04:57
	Feb-15	1	7.4	00:05:51	1	6.9	00:04:50
	Mar-15	1	7.3	00:05:24	1	6.9	00:05:01
	Apr-15	1	7.5	00:06:33	1	6.9	00:06:14
	May-15	1	7.4	00:04:59	1	6.9	00:04:44
	Jun-15	1	7.5	00:07:33	1	6.9	00:04:43
	Jul-15	1	7.4	00:11:26	1	6.9	00:04:25
	Aug-15	1	7.4	00:05:55	1	6.9	00:04:40
	Sep-15	1	7.4	00:08:29	1	7.0	00:04:42



**Figure 7-14 Route 4 M9 Newbridge Junction to Echline Junction via the M9 Spur PM Peak**

The journey times in the southbound direction during the PM Peak were broadly similar to those recorded in the AM Peak in the northbound direction. Northbound, journey times were generally consistent, with a high of over 11 minutes recorded in July due to slow moving traffic from Scotstoun to the FRB.



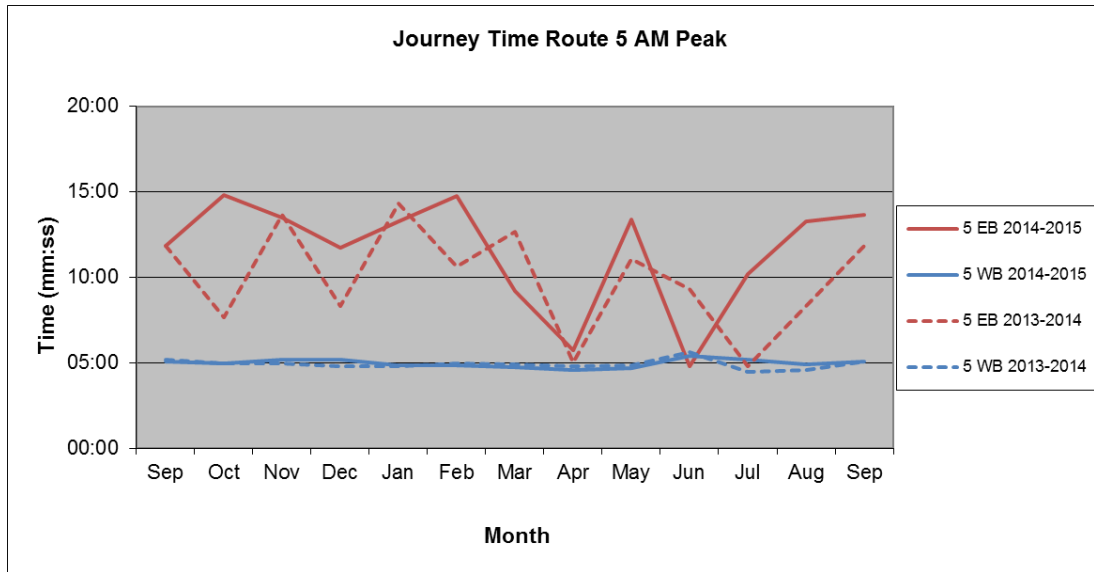
## 7.6 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8



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-14	1	7.1	00:11:49	1	7.4	00:05:04
	Oct-14	1	7.1	00:14:47	1	7.4	00:04:56
	Nov-14	1	7.1	00:13:29	1	7.4	00:05:10
	Dec-14	1	7.1	00:11:45	1	7.4	00:05:12
	Jan-15	1	7.1	00:13:15	1	7.3	00:04:51
	Feb-15	1	7.1	00:14:45	1	7.4	00:04:50
	Mar-15	1	7.2	00:09:13	1	7.4	00:04:43
	Apr-15	1	7.2	00:05:44	1	7.3	00:04:33
	May-15	1	7.1	00:13:22	1	7.4	00:04:42
	Jun-15	1	7.1	00:04:49	1	7.4	00:05:24
	Jul-15	1	7.1	00:10:12	1	7.4	00:05:10
	Aug-15	1	7.1	00:13:17	1	7.4	00:04:54
Sep-15	1	7.1	00:13:38	1	7.4	00:05:05	



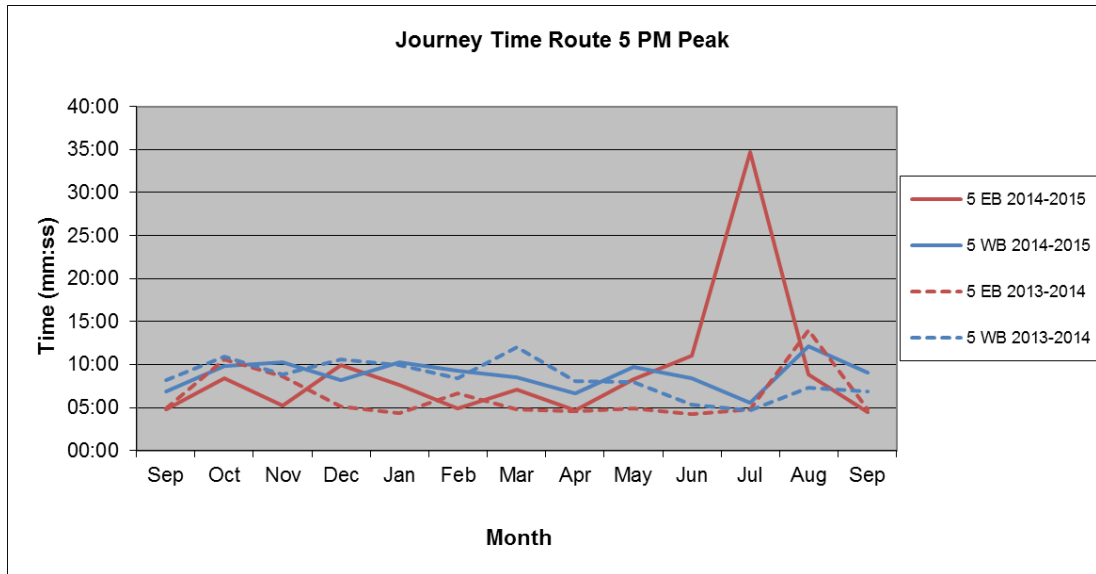
**Figure 7-16 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8 AM Peak**

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 2014-2015 monitoring period.

In the eastbound direction, a high journey time of approximately 15 minutes was recorded in October due to heavy congestion and slow moving traffic from the M9 southbound on slip at Newbridge, to the M8. Heavy congestion on the M8 merge was responsible for a similarly high time in February. Congestion at the same location was responsible for higher than average journey times in May, August and September.

**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-14	1	7.4	00:04:46	1	7.4	00:06:51
	Oct-14	1	7.1	00:08:27	1	7.3	00:09:47
	Nov-14	1	7.2	00:05:15	1	7.4	00:10:13
	Dec-14	1	7.2	00:09:59	1	7.4	00:08:09
	Jan-15	1	7.0	00:07:36	1	7.1	00:10:13
	Feb-15	1	7.1	00:04:57	1	7.3	00:09:17
	Mar-15	1	7.2	00:07:04	1	7.4	00:08:31
	Apr-15	1	7.1	00:04:43	1	7.4	00:06:40
	May-15	1	7.2	00:08:20	1	7.4	00:09:46
	Jun-15	1	7.1	00:11:00	1	7.4	00:08:24
	Jul-15	1	7.2	00:34:41	1	7.4	00:05:30
	Aug-15	1	7.1	00:08:51	1	7.2	00:12:10
Sep-15	1	7.2	00:04:29	1	7.4	00:09:01	



**Figure 7-17 Route 5 Newbridge Junction to the A720 Hermiston Gait via the M9/M8 PM Peak**

As shown in Figure 7-17, journey times were generally higher in the westbound direction compared to the eastbound direction during the 2014-2015 PM Peak, which is similar to the previous monitoring period.

Eastbound journey times were generally between five and ten minutes, with the exception of June due to congestion caused by Highland Show traffic, and in July, where an abnormally high time of approximately 35 minutes was recorded. This was due to very slow and stop-start traffic for the duration of the survey. It was noted that there were roadworks unrelated to the FRC works on other parts of the network, which likely caused the congestion experienced on surrounding routes.

In the westbound direction, a slightly higher than average journey time was recorded in August due to an accident on the M8 westbound, which affected traffic approaching the Hermiston Gait Roundabout.



### 7.7 Route 6 A8 Gogar Junction to Newbridge Junction

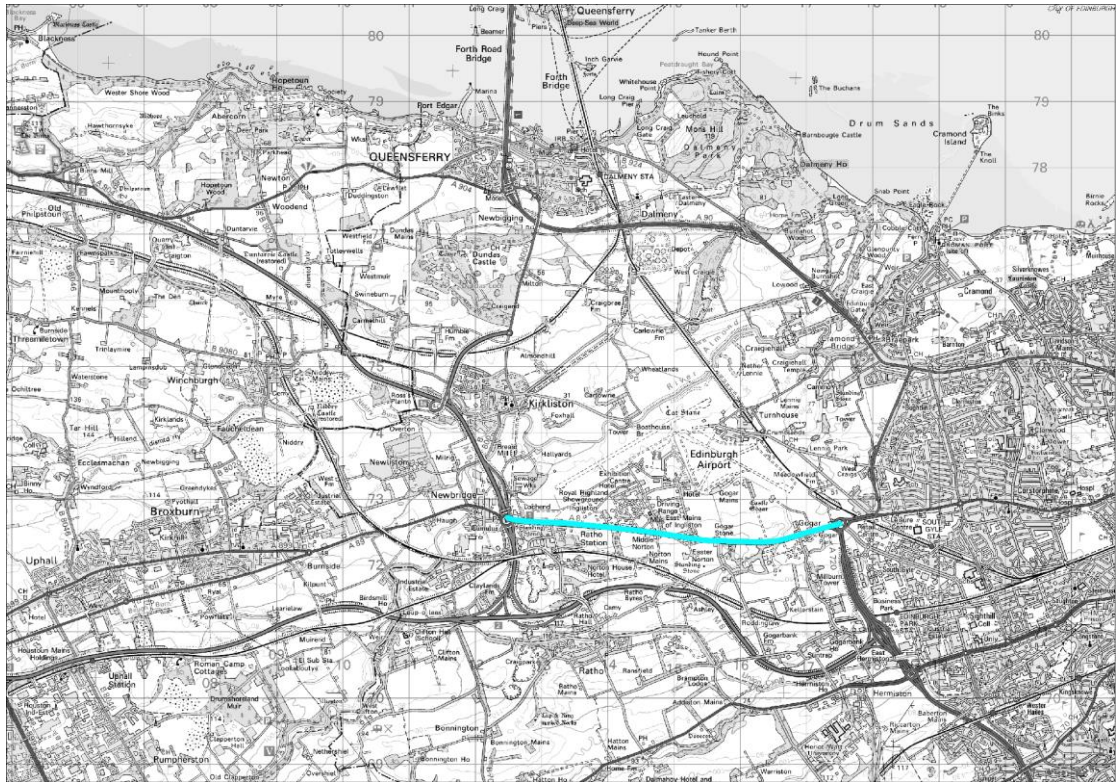
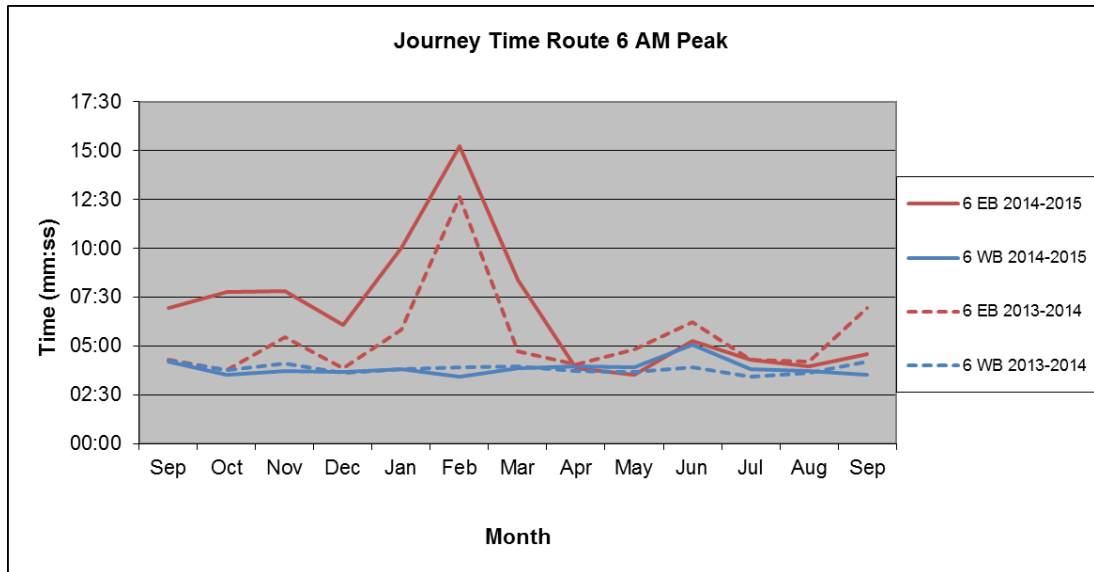


Figure 7-18 Route 6 A8 Gogar Junction to Newbridge Junction

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-14	1	4.6	00:06:56	1	4.5	00:04:12
	Oct-14	1	4.6	00:07:44	1	4.5	00:03:32
	Nov-14	1	4.6	00:07:48	1	4.5	00:03:43
	Dec-14	1	4.6	00:06:04	1	4.5	00:03:39
	Jan-15	1	4.6	00:10:01	1	4.5	00:03:48
	Feb-15	1	4.6	00:15:14	1	4.5	00:03:25
	Mar-15	1	4.6	00:08:22	1	4.5	00:03:50
	Apr-15	1	4.6	00:03:51	1	4.5	00:03:56
	May-15	1	4.6	00:03:30	1	4.5	00:03:55
	Jun-15	1	4.6	00:05:14	1	4.5	00:05:03
	Jul-15	1	4.6	00:04:17	1	4.5	00:03:48
	Aug-15	1	4.6	00:03:56	1	4.5	00:03:42
Sep-15	1	4.6	00:04:36	1	4.5	00:03:32	





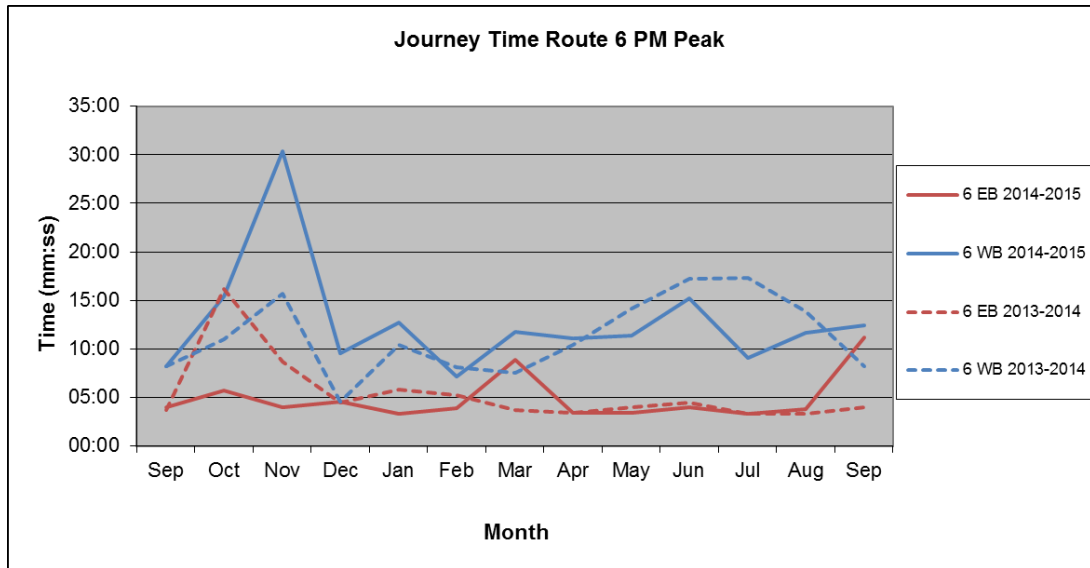
**Figure 7-19 Route 6 A8 Gogar Junction to Newbridge Junction AM Peak**

Journey times in the westbound direction in the AM Peak were generally consistent, between three and four minutes, with June being the only month to exceed five minutes. This was due to roadworks at Gogar Roundabout, and the increased levels of traffic associated with the Royal Highland Show.

In the eastbound direction, journey times were less consistent, with journey times of over seven minutes being recorded in October and November due to slow moving traffic on the A8. A high journey time of over fifteen minutes was recorded in February, due to heavy traffic. A similarly high time was also recorded in February 2014.

**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-14	1	4.6	00:03:59	1	4.5	00:08:15
	Oct-14	1	4.6	00:05:42	1	4.5	00:15:26
	Nov-14	1	4.6	00:03:59	1	4.5	00:30:19
	Dec-14	1	4.6	00:04:35	1	4.5	00:09:34
	Jan-15	1	4.6	00:03:22	1	4.5	00:12:45
	Feb-15	1	4.6	00:03:54	1	4.6	00:07:08
	Mar-15	1	4.6	00:08:54	1	4.5	00:11:48
	Apr-15	1	4.6	00:03:27	1	4.5	00:11:03
	May-15	1	4.6	00:03:24	1	4.5	00:11:24
	Jun-15	1	4.6	00:03:58	1	4.5	00:15:14
	Jul-15	1	4.6	00:03:21	1	4.5	00:09:06
	Aug-15	1	4.6	00:03:50	1	4.5	00:11:42
Sep-15	1	4.6	00:11:14	1	4.5	00:12:26	



**Figure 7-20 Route 6 A8 Gogar Junction to Newbridge Junction PM Peak**

In the PM Peak, westbound journey times were generally higher and less consistent compared to eastbound journey times. A particularly high westbound time of over 30 minutes was recorded in November, where heavy traffic was experienced from Gogar Roundabout to Newbridge, causing traffic to be restricted to 5-10mph for the whole of the A8. The westbound journey time also exceeded 15 minutes in June due to a combination of roadworks and increased traffic levels associated with the Royal Highland Show.

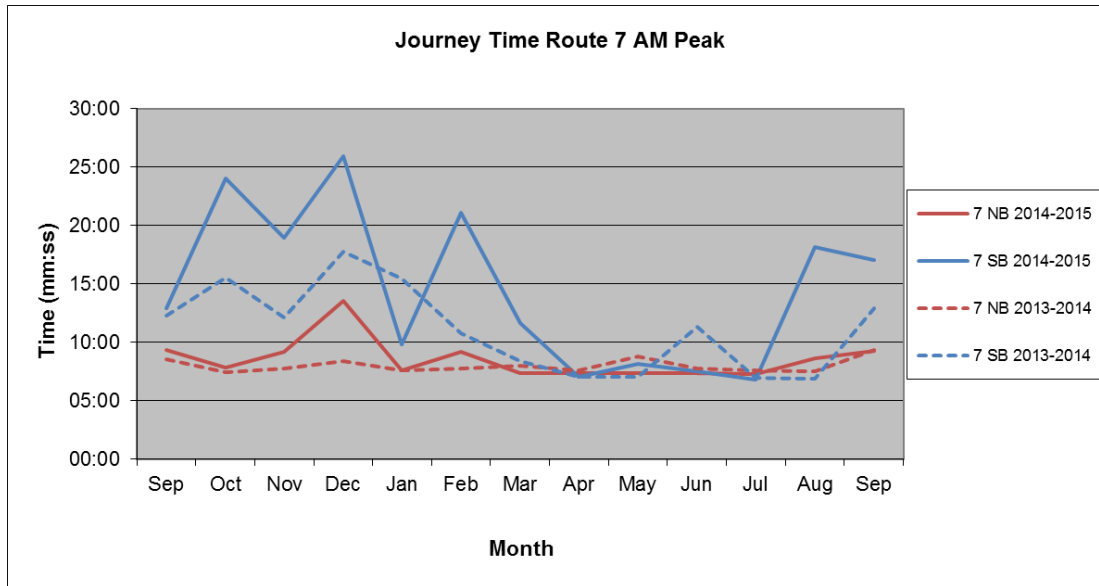
7.8 Route 7 A90 Echline Junction to the M90 Halbeath Junction



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-14	4	11.0	00:09:20	4	10.9	00:12:54
	Oct-14	1	11.0	00:07:51	1	10.8	00:24:02
	Nov-14	1	11.0	00:09:12	1	10.9	00:18:59
	Dec-14	1	10.9	00:13:33	1	10.9	00:25:56
	Jan-15	1	11.0	00:07:38	1	10.9	00:09:52
	Feb-15	1	11.0	00:09:14	1	10.9	00:21:05
	Mar-15	1	11.0	00:07:22	1	10.9	00:11:40
	Apr-15	1	11.0	00:07:22	1	10.9	00:07:03
	May-15	1	11.0	00:07:22	1	10.9	00:08:10
	Jun-15	1	11.0	00:07:23	1	10.9	00:07:34
	Jul-15	1	11.0	00:07:20	1	10.9	00:06:49
	Aug-15	1	10.8	00:08:39	1	10.7	00:18:08
Sep-15	4	11.0	00:09:19	3	10.9	00:17:01	



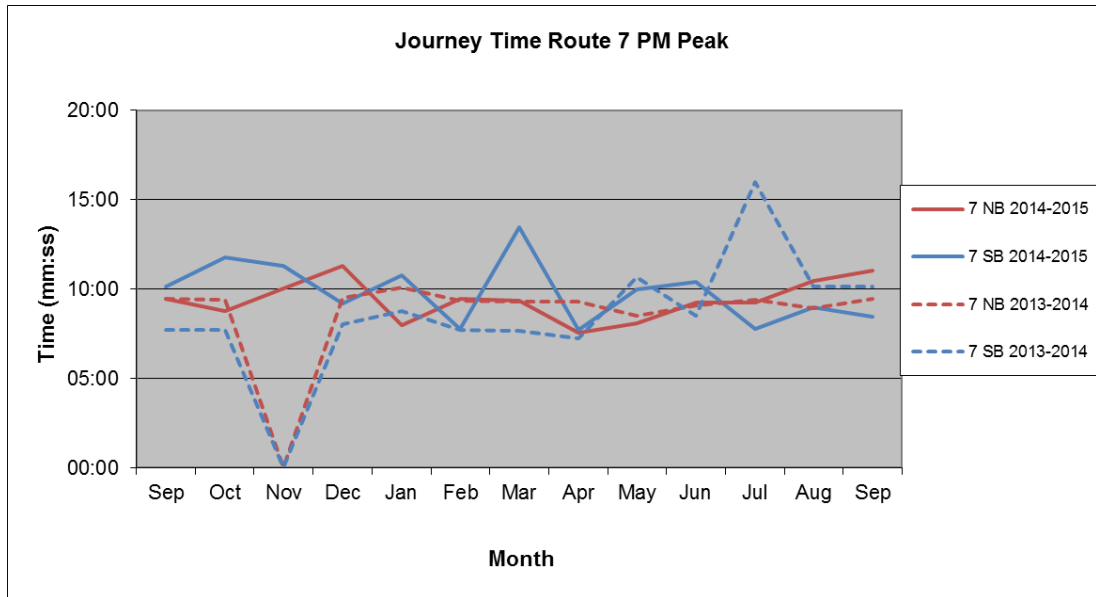
**Figure 7-22 Route 7 A90 Echline Junction to the M90 Halbeath Junction AM Peak**

Northbound journey times were found to be relatively consistent during the AM Peak, within the 2014-2015 monitoring period, with journey times ranging from seven to nine minutes, with the exception of December due to congestion on the approach to the FRB.

In the southbound direction, journey times were far less consistent, with times ranging from just under seven minutes in July, to over 25 minutes in December. This high journey time was due to congestion at the FRB and after Junction 2. High journey times were also recorded in October, due to heavy congestion over the whole route, and in February due to very slow moving traffic between Junction 2 and the FRB.

**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-14	4	11.0	00:09:28	4	10.9	00:10:07
	Oct-14	1	11.0	00:08:46	1	10.9	00:11:47
	Nov-14	1	11.0	00:10:03	1	10.9	00:11:17
	Dec-14	1	11.0	00:11:19	1	10.9	00:09:10
	Jan-15	1	11.0	00:08:00	1	10.9	00:10:45
	Feb-15	1	11.0	00:09:26	1	10.9	00:07:46
	Mar-15	1	11.0	00:09:21	1	10.9	00:13:27
	Apr-15	1	11.0	00:08:53	1	10.9	00:07:43
	May-15	1	11.0	00:08:04	1	10.9	00:09:59
	Jun-15	1	11.0	00:09:14	1	10.9	00:10:25
	Jul-15	1	11.0	00:09:16	1	10.9	00:07:47
	Aug-15	1	11.0	00:10:26	1	10.9	00:08:58
Sep-15	4	11.0	00:11:04	4	10.9	00:08:27	



**Figure 7-23 Route 7 A90 Echline Junction to the M90 Halbeath Junction PM Peak**

The PM peak northbound journey times were generally consistent within the 2014-2015 monitoring period, with times ranging between approximately seven and ten minutes, with the exceptions of December and September when slow moving traffic was encountered on the approach to the FRB. In the southbound direction, journey times were less consistent, with a high time of over 13 minutes recorded in March due to congestion on the approach to the FRB.



### 7.9 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout

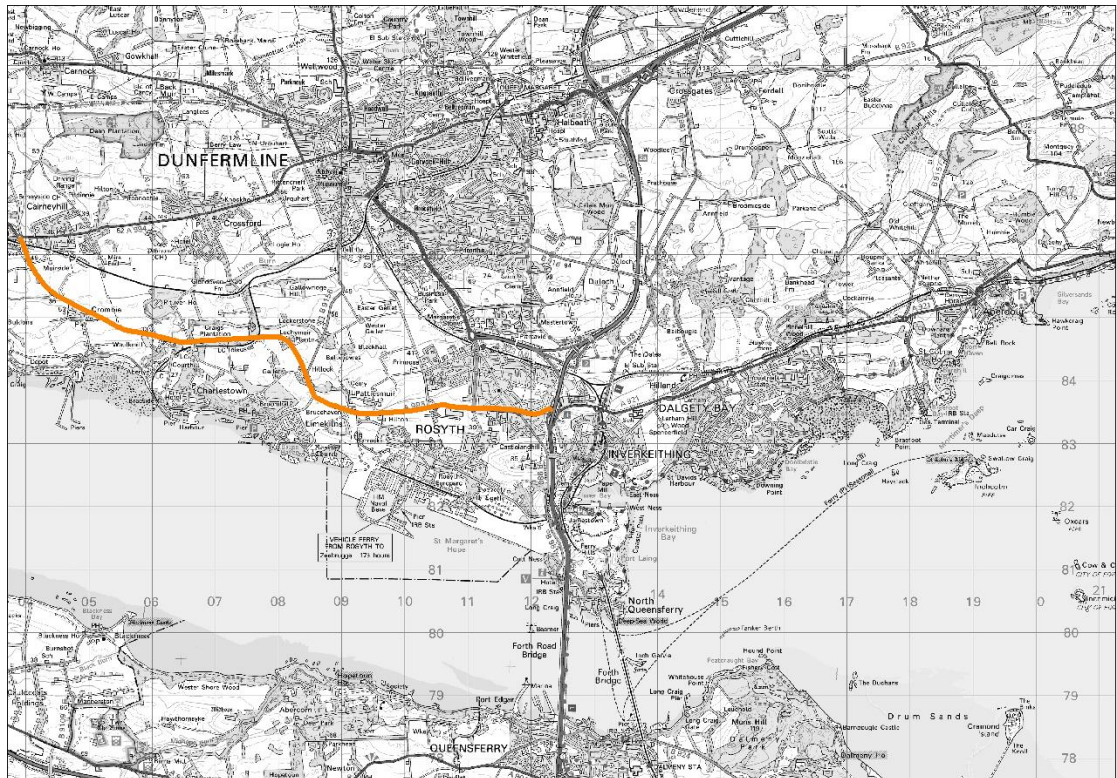
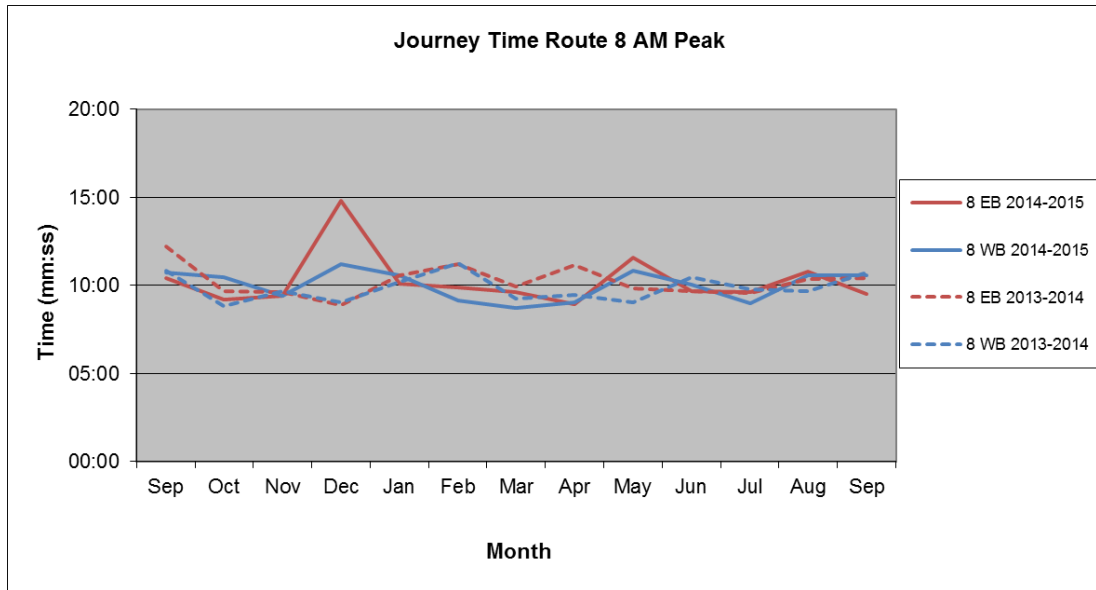


Figure 7-24 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout

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-14	2	9.6	00:10:24	2	9.7	00:10:44
	Oct-14	1	9.2	00:09:12	1	9.3	00:10:27
	Nov-14	1	9.6	00:09:26	1	9.6	00:09:26
	Dec-14	1	9.7	00:14:49	1	9.7	00:11:13
	Jan-15	1	9.7	00:10:05	1	9.7	00:10:33
	Feb-15	1	9.7	00:09:53	1	9.7	00:09:09
	Mar-15	1	9.7	00:09:36	1	9.7	00:08:43
	Apr-15	1	9.7	00:08:56	1	9.7	00:09:02
	May-15	1	9.7	00:11:34	1	9.7	00:10:49
	Jun-15	1	9.7	00:09:40	1	9.7	00:10:02
	Jul-15	1	9.5	00:09:37	1	9.5	00:08:58
	Aug-15	1	9.4	00:10:47	1	9.6	00:10:34
Sep-15	1	9.5	00:09:31	1	9.5	00:10:33	



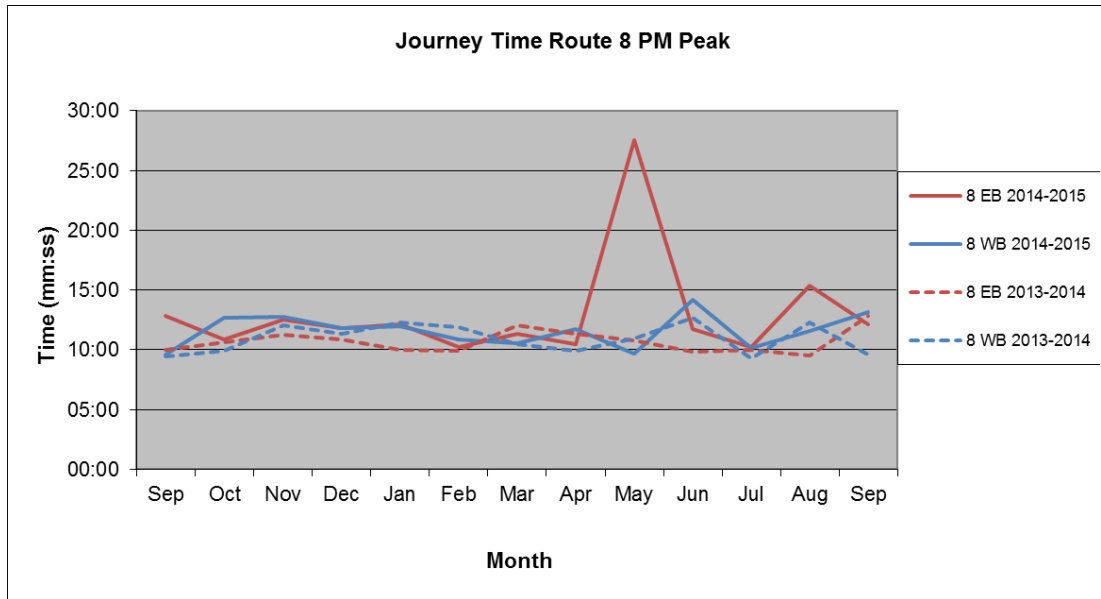
**Figure 7-25 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout AM Peak**

As shown in figure 7-25, journey times were generally consistent throughout the monitoring period, with journey times similar to those recorded in 2013-2014, with the exception of December in the eastbound direction, when a time of approximately 15 minutes was recorded. This was likely due to the restriction of high sided vehicles on the FRB, causing more goods vehicles to use the A985.

**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-14	1	9.7	00:12:51	1	9.7	00:09:36
	Oct-14	1	9.7	00:10:50	1	9.7	00:12:41
	Nov-14	1	9.7	00:12:30	1	9.7	00:12:48
	Dec-14	1	9.7	00:11:47	1	9.7	00:11:47
	Jan-15	1	9.7	00:12:08	1	9.7	00:11:58
	Feb-15	1	9.7	00:10:15	1	9.7	00:10:50
	Mar-15	1	9.6	00:11:22	1	9.2	00:10:34
	Apr-15	1	9.6	00:10:26	1	9.7	00:11:44
	May-15	1	9.6	00:27:30	1	9.7	00:09:42
	Jun-15	1	9.7	00:11:42	1	9.6	00:14:09
	Jul-15	1	9.7	00:10:14	1	9.6	00:10:10
	Aug-15	1	9.7	00:15:22	1	9.7	00:11:35
Sep-15	1	9.7	00:12:07	1	9.7	00:13:10	





**Figure 7-26 Route 8 A985 between A90 Admiralty Junction and Cairneyhill Roundabout PM Peak**

Journey times were generally consistent throughout the monitoring period in both directions, with some higher than average times recorded in May, June and August. The abnormally high eastbound time of approximately 27 minutes recorded in May, was due to heavy congestion experienced on the A985 through Rosyth.

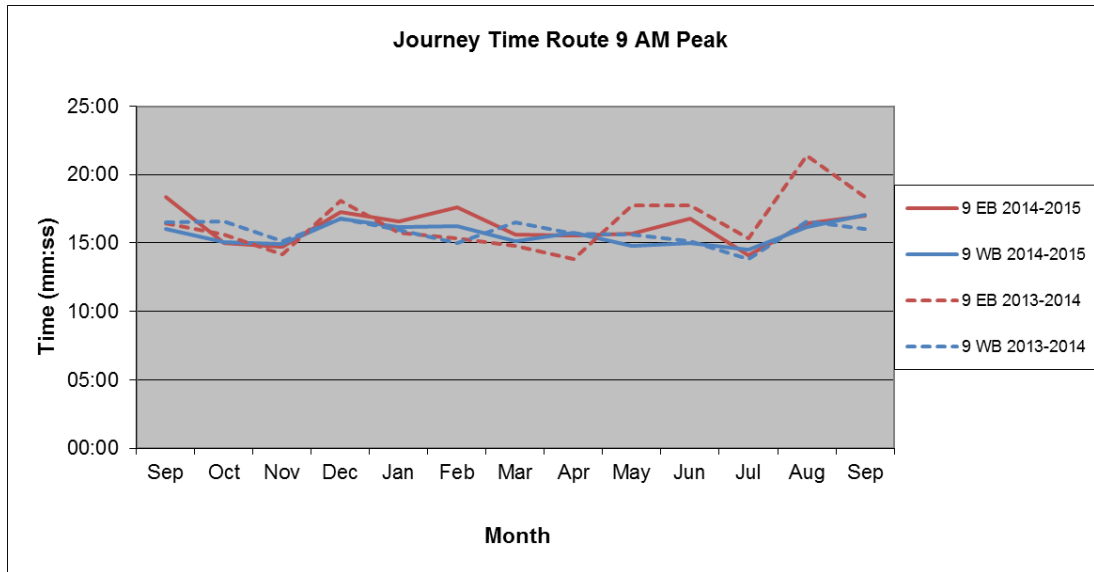
### 7.10 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction



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-14	4	9.9	00:18:21	4	9.7	00:16:01
	Oct-14	1	9.7	00:14:59	1	9.7	00:15:03
	Nov-14	1	9.7	00:14:44	1	9.7	00:14:56
	Dec-14	1	9.7	00:17:15	1	9.8	00:16:47
	Jan-15	1	9.7	00:16:35	1	9.8	00:16:09
	Feb-15	1	9.7	00:17:36	1	9.8	00:16:13
	Mar-15	1	9.7	00:15:37	1	9.8	00:15:10
	Apr-15	1	9.7	00:15:12	1	9.8	00:15:45
	May-15	1	9.7	00:15:42	1	9.8	00:14:49
	Jun-15	1	9.7	00:16:47	1	9.7	00:15:01
	Jul-15	1	9.7	00:14:08	1	9.7	00:14:32
	Aug-15	1	9.7	00:16:25	1	9.8	00:16:11
Sep-15	4	9.7	00:16:58	3	9.7	00:17:05	

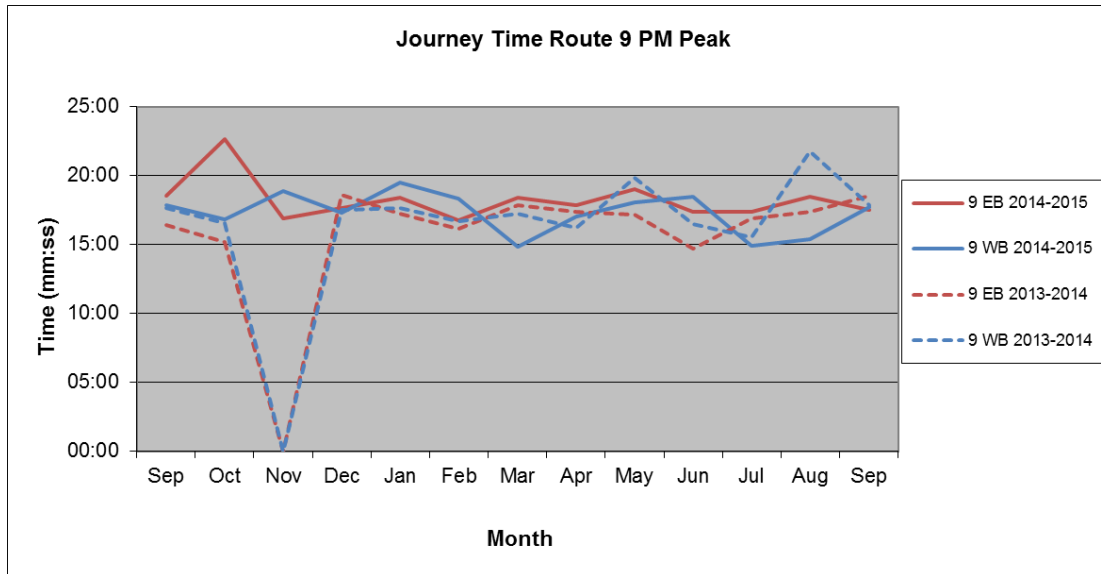


**Figure 7-28 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction AM Peak**

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 journey times recorded in both directions, which range from approximately 14 to 18 minutes, and are similar to those recorded in the previous monitoring period, with eastbound times being more consistent than last year.

**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-14	4	9.7	00:18:32	4	9.7	00:17:53
	Oct-14	1	9.7	00:22:38	1	9.8	00:16:48
	Nov-14	1	9.7	00:16:55	1	9.7	00:18:54
	Dec-14	1	9.7	00:17:40	1	9.7	00:17:18
	Jan-15	1	9.7	00:18:24	1	9.7	00:19:31
	Feb-15	1	9.7	00:16:44	1	9.7	00:18:18
	Mar-15	1	9.7	00:18:23	1	9.7	00:14:52
	Apr-15	1	9.7	00:17:50	1	9.8	00:17:00
	May-15	1	9.7	00:19:01	1	9.7	00:18:05
	Jun-15	1	9.7	00:17:24	1	9.8	00:18:30
	Jul-15	1	9.6	00:17:21	1	9.7	00:14:55
	Aug-15	1	9.7	00:18:28	1	9.8	00:15:25
Sep-15	3	9.7	00:17:31	4	9.7	00:17:45	



**Figure 7-29 Route 9 A994 / A907 between Cairneyhill Roundabout and M90 Halbeath Junction PM Peak**

In the PM Peak, the westbound journey times are generally consistent, between approximately 15 and 20 minutes. Heavy traffic in Dunfermline was responsible for a high journey time over 22 minutes in October 2014. Similar to in the AM Peak, congestion, traffic signals and queuing at junctions can be experienced, causing variations in journey times.

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-14	1	4.5	00:08:09	1	4.8	00:07:12
	Oct-14	1	4.5	00:08:07	1	4.8	00:06:04
	Nov-14	1	4.5	00:06:12	1	4.9	00:06:07
	Dec-14	1	4.6	00:08:44	1	4.9	00:06:30
	Jan-15	1	4.5	00:10:12	1	4.9	00:06:11
	Feb-15	1	4.6	00:06:03	1	4.9	00:06:21
	Mar-15	1	4.5	00:07:36	1	4.9	00:06:21
	Apr-15	1	4.6	00:06:22	1	4.9	00:05:59
	May-15	1	4.5	00:06:00	1	4.9	00:07:15
	Jun-15	1	4.5	00:07:26	1	4.9	00:06:56
	Jul-15	1	4.5	00:05:34	1	4.9	00:05:32
	Aug-15	1	4.5	00:08:51	1	4.9	00:06:46
Sep-15	1	4.5	00:07:06	1	4.9	00:06:05	



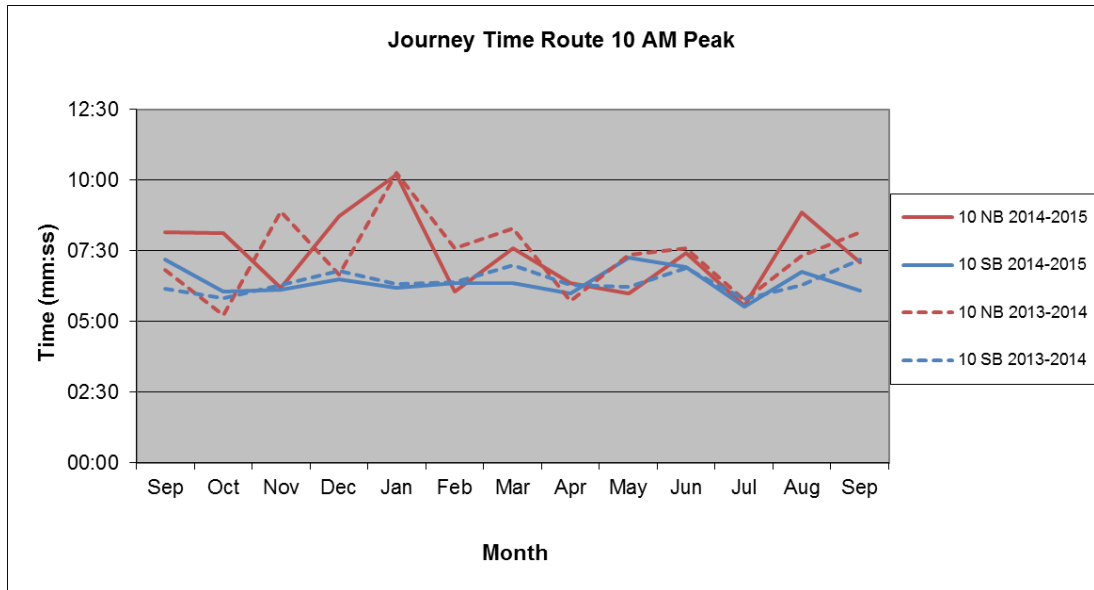
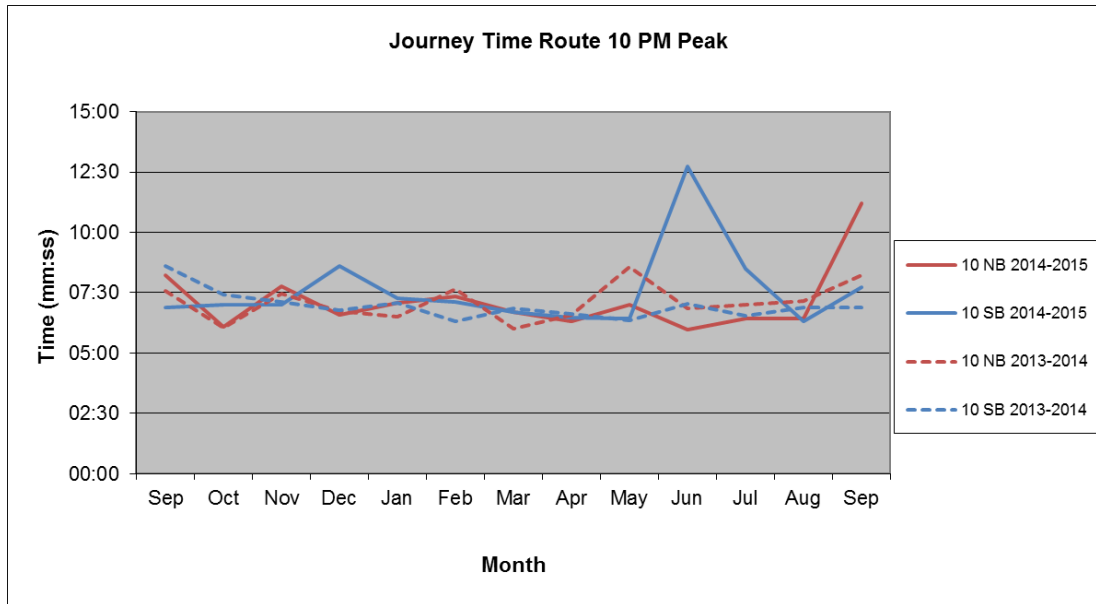


Figure 7-31 Route 10 A823 (M) between the A907 and M90 Masterton Junction AM Peak

Route 10 is similar to Route 9 in that it is also made up of 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 2014-2015 monitoring period, as there was in the 2013-2014 monitoring period. Journey times in the northbound direction range from five and a half minutes in July 2015, to approximately 10 minutes in January 2015. This relatively high journey time recorded in January was due to slow moving traffic on the approach to Queensferry Road Roundabout. Southbound journey times are generally more consistent and similar to those recorded in the 2013-2014 monitoring period.

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-14	1	4.6	00:08:13	1	4.9	00:06:54
	Oct-14	1	4.6	00:06:05	1	4.9	00:06:59
	Nov-14	1	4.6	00:07:45	1	4.9	00:07:00
	Dec-14	1	4.6	00:06:35	1	4.9	00:08:36
	Jan-15	1	4.5	00:07:05	1	4.9	00:07:17
	Feb-15	1	4.6	00:07:20	1	4.9	00:07:06
	Mar-15	1	4.5	00:06:42	1	4.7	00:06:42
	Apr-15	1	4.6	00:06:18	1	4.9	00:06:27
	May-15	1	4.6	00:06:59	1	4.9	00:06:26
	Jun-15	1	4.6	00:05:58	1	4.9	00:12:43
	Jul-15	1	4.5	00:06:25	1	4.9	00:08:29
	Aug-15	1	4.5	00:06:25	1	4.9	00:06:18
Sep-15	1	4.5	00:11:12	1	4.9	00:07:44	



**Figure 7-32 Route 10 A823 (M) between the A907 and M90 Masterton Junction PM Peak**

Journey times in the PM Peak were generally consistent in both directions, between approximately six and eight minutes, with the exception of the northbound journey time in September 2015, when a time of approximately 11 minutes was recorded. This was due to queues on the approach to the Queensferry Road Roundabout. In the southbound direction, a high of approximately 12 and a half minutes was recorded in June 2015; this was due to a lane closure associated with roadworks on Queensferry Road.



7.12 Route 11 A921 between the B9157 and A90 Admiralty Junction

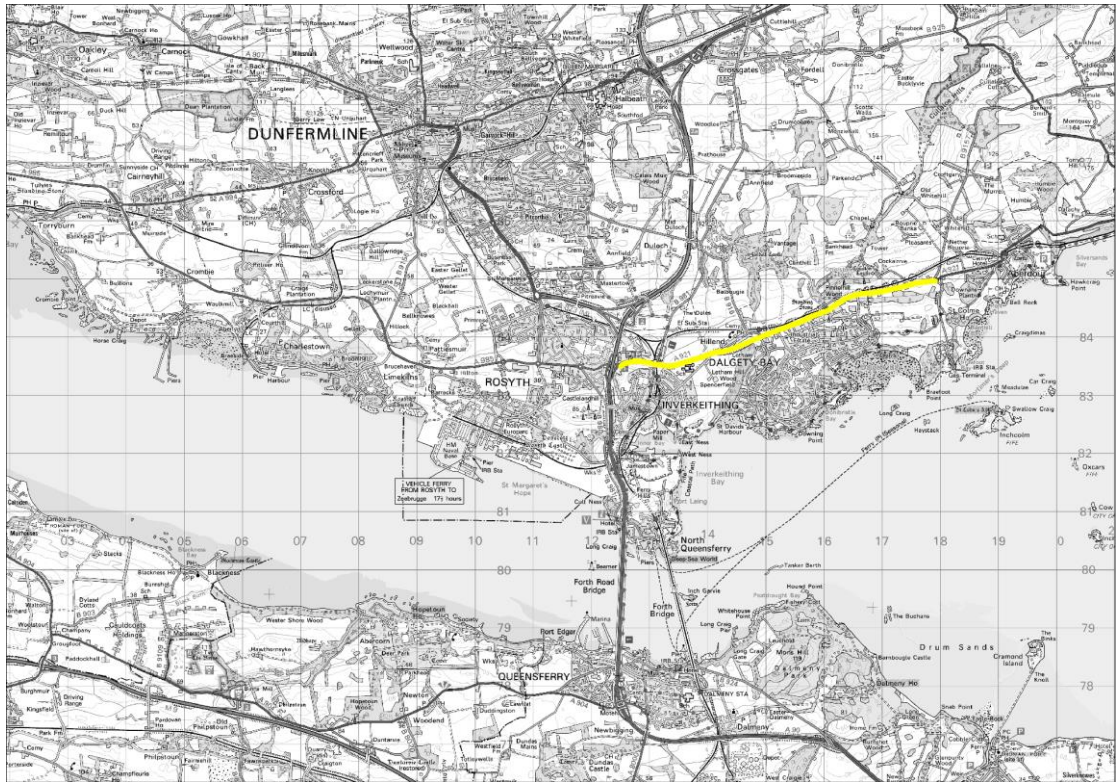


Figure 7-33 Route 11 A921 between the B9157 and A90 Admiralty Junction

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-14	2	5.8	00:07:20	2	5.7	00:07:49
	Oct-14	1	5.7	00:05:37	1	5.6	00:07:16
	Nov-14	1	5.8	00:06:36	1	5.7	00:06:57
	Dec-14	1	5.8	00:07:00	1	5.8	00:08:34
	Jan-15	1	5.8	00:06:28	1	5.8	00:08:53
	Feb-15	1	5.8	00:06:27	1	5.8	00:06:35
	Mar-15	1	5.8	00:06:57	1	5.8	00:06:24
	Apr-15	1	5.8	00:06:03	1	5.9	00:06:53
	May-15	1	5.8	00:05:48	1	5.8	00:06:36
	Jun-15	1	5.8	00:06:17	1	5.8	00:05:58
	Jul-15	1	5.7	00:06:15	1	5.6	00:06:18
	Aug-15	1	5.8	00:06:13	1	5.7	00:08:31
Sep-15	1	5.7	00:05:43	1	5.6	00:06:38	

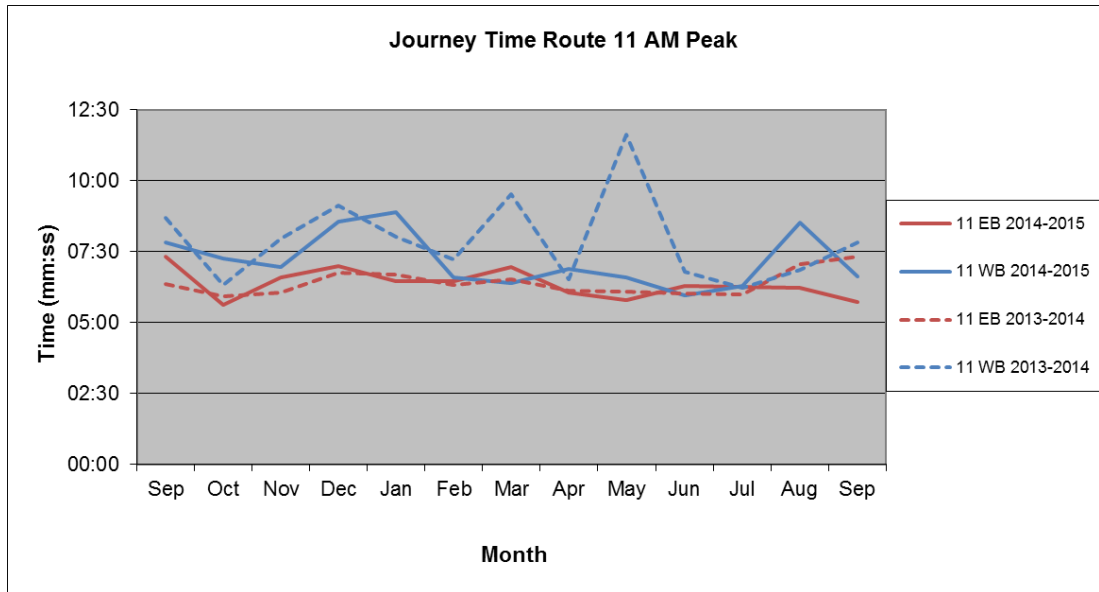


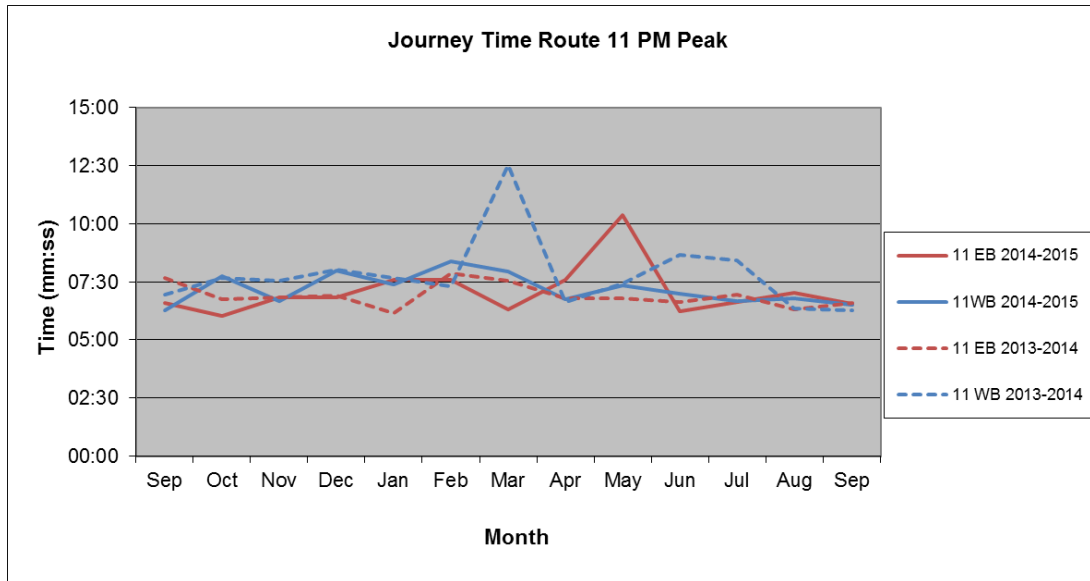
Figure 7-34 Route 11 A921 between the B9157 and A90 Admiralty Junction AM Peak

AM peak westbound journey times were found to be more variable than the eastbound journey times, with times ranging from approximately five to nine minutes. Slow moving traffic at roundabouts on the A921 was responsible for the higher than normal time recorded in January 2015. Eastbound times were generally consistently between five and seven minutes.

A high westbound time was recorded in January 2015 due to slow moving traffic on the approaches to roundabouts on the A921.

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-14	1	5.8	00:06:36	1	5.8	00:06:16
	Oct-14	1	5.8	00:06:03	1	5.8	00:07:44
	Nov-14	1	5.8	00:06:49	1	5.8	00:06:40
	Dec-14	1	5.8	00:06:51	1	5.8	00:07:59
	Jan-15	1	5.8	00:07:35	1	5.8	00:07:23
	Feb-15	1	5.7	00:07:35	1	5.8	00:08:23
	Mar-15	1	5.5	00:06:19	1	5.5	00:07:58
	Apr-15	1	5.8	00:07:36	1	5.8	00:06:46
	May-15	1	5.7	00:10:22	1	5.7	00:07:22
	Jun-15	1	5.8	00:06:13	1	5.8	00:06:59
	Jul-15	1	5.8	00:06:39	1	5.7	00:06:40
	Aug-15	1	5.8	00:07:02	1	5.8	00:06:48
Sep-15	1	5.8	00:06:33	1	5.8	00:06:30	



**Figure 7-35 Route 11 A921 between the B9157 and A90 Admiralty Junction PM Peak**

Journey times in both directions were generally consistent in the PM Peak, between six and eight minutes, with the exception of May 2015 in the eastbound direction, when a time of over 10 minutes was recorded. This was due to slow moving traffic on the A921 at Inverkeithing.

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-14	2	6.8	00:07:13	1	7.0	00:07:53
	Oct-14	1	6.6	00:07:23	1	6.8	00:07:18
	Nov-14	1	7.0	00:07:10	1	6.7	00:08:40
	Dec-14	1	6.9	00:09:07	1	7.0	00:08:39
	Jan-15	1	7.1	00:08:22	1	7.1	00:08:55
	Feb-15	1	7.0	00:07:23	1	7.1	00:08:03
	Mar-15	1	7.0	00:07:36	1	7.1	00:07:32
	Apr-15	1	7.0	00:07:40	1	7.1	00:07:10
	May-15	1	7.0	00:08:09	1	7.0	00:07:55
	Jun-15	1	6.8	00:08:33	1	6.9	00:07:49
	Jul-15	1	6.7	00:07:49	1	6.9	00:07:09
	Aug-15	1	6.8	00:07:14	1	6.8	00:07:26
Sep-15	1	6.7	00:08:11	1	6.7	00:07:41	



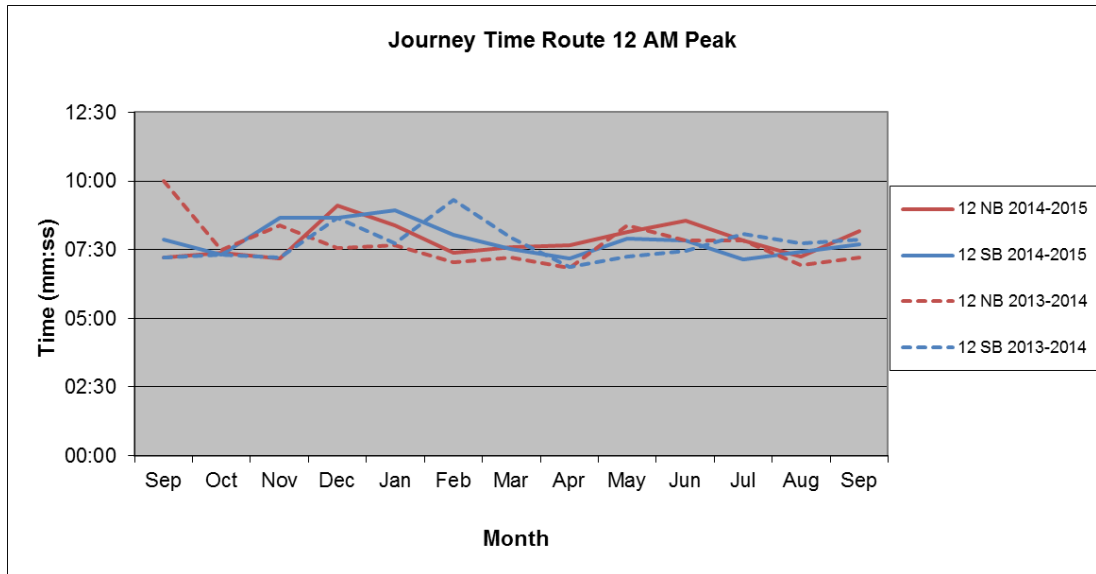
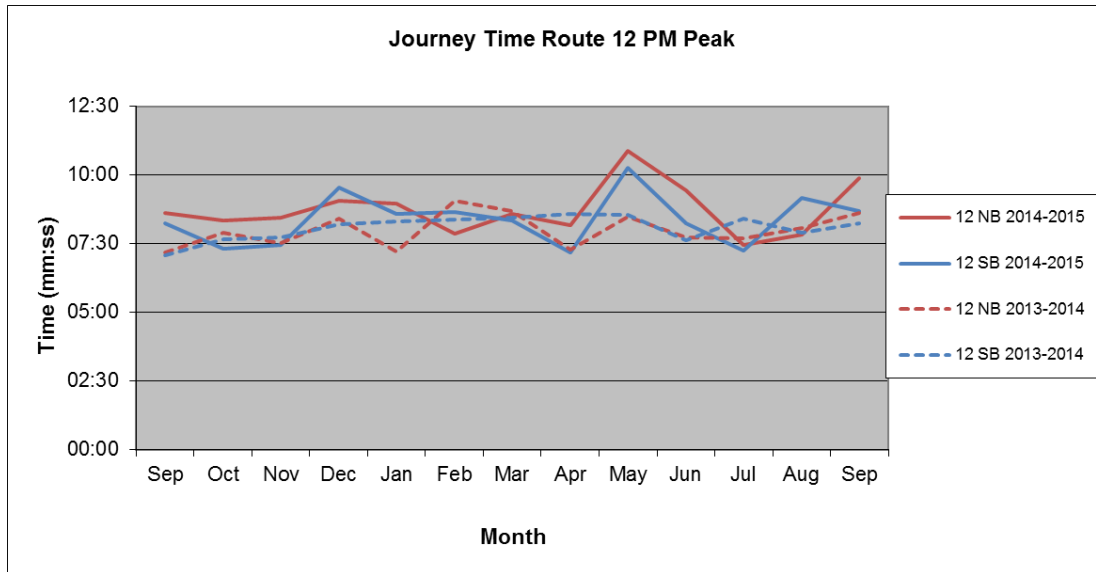


Figure 7-37 Route 12 B981 between A92 and A90 Admiralty Junction AM Peak

As shown in Figure 7-37, journey times in both directions were generally consistent in the AM peak during 2014-2015, ranging between approximately seven and nine minutes.

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-14	1	7.0	00:08:38	1	7.1	00:08:15
	Oct-14	1	7.1	00:08:20	1	7.1	00:07:18
	Nov-14	1	7.1	00:08:27	1	7.1	00:07:28
	Dec-14	1	7.0	00:09:03	1	7.1	00:09:33
	Jan-15	1	6.9	00:08:57	1	6.9	00:08:34
	Feb-15	1	6.8	00:07:52	1	6.8	00:08:39
	Mar-15	1	6.5	00:08:35	1	6.7	00:08:21
	Apr-15	1	7.0	00:08:10	1	6.7	00:07:10
	May-15	1	6.9	00:10:52	1	7.0	00:10:15
	Jun-15	1	6.8	00:09:27	1	6.8	00:08:14
	Jul-15	1	6.9	00:07:27	1	7.0	00:07:14
	Aug-15	1	7.0	00:07:50	1	7.1	00:09:10
Sep-15	1	7.0	00:09:54	1	7.1	00:08:42	



**Figure 7-38 Route 12 B981 between A92 and A90 Admiralty Junction PM Peak**

In the PM Peak, journey times were also generally consistent, between seven and nine minutes. Relatively high journey times of over 10 minutes were recorded in both directions in May. In the northbound directions the high journey time was due to very slow moving traffic on at A921 at Inverkeithing where temporary traffic lights were in place. In the southbound direction, queuing on the B981 towards the A921 at Inverkeithing was responsible for the higher than average journey time.

### 7.14 Route 13 A904 Old Philpstoun to Echline Junction

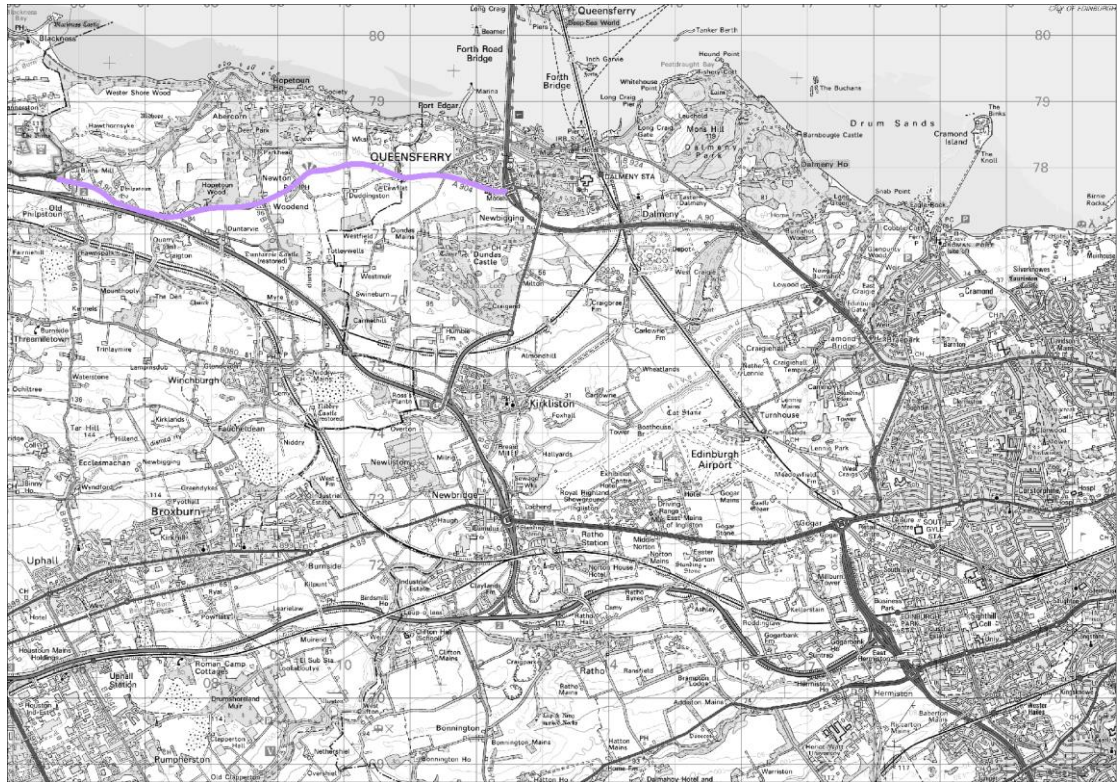


Figure 7-39 Route 13 A904 Old Philpstoun to Echline Junction

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-14	1	7.0	00:07:48	1	7.0	00:06:55
	Oct-14	1	7.0	00:07:13	1	7.0	00:06:38
	Nov-14	1	7.1	00:07:02	1	7.0	00:06:46
	Dec-14	1	7.0	00:07:57	1	7.0	00:06:10
	Jan-15	1	7.0	00:08:29	1	7.0	00:06:45
	Feb-15	1	7.0	00:07:20	1	7.0	00:06:37
	Mar-15	1	7.0	00:07:09	1	7.0	00:07:39
	Apr-15	1	7.0	00:06:51	1	7.0	00:06:44
	May-15	1	7.0	00:08:34	1	7.0	00:06:03
	Jun-15	1	7.0	00:08:01	1	7.0	00:07:05
	Jul-15	1	7.0	00:07:43	1	7.0	00:06:44
	Aug-15	1	7.0	00:07:41	1	7.0	00:06:35
Sep-15	1	7.0	00:07:23	1	7.0	00:07:01	



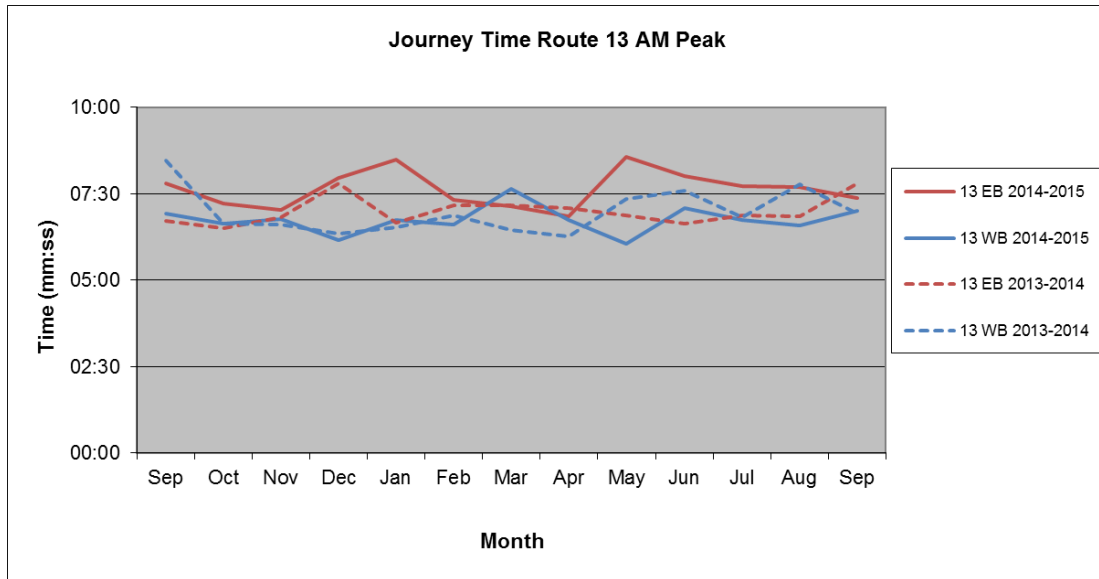
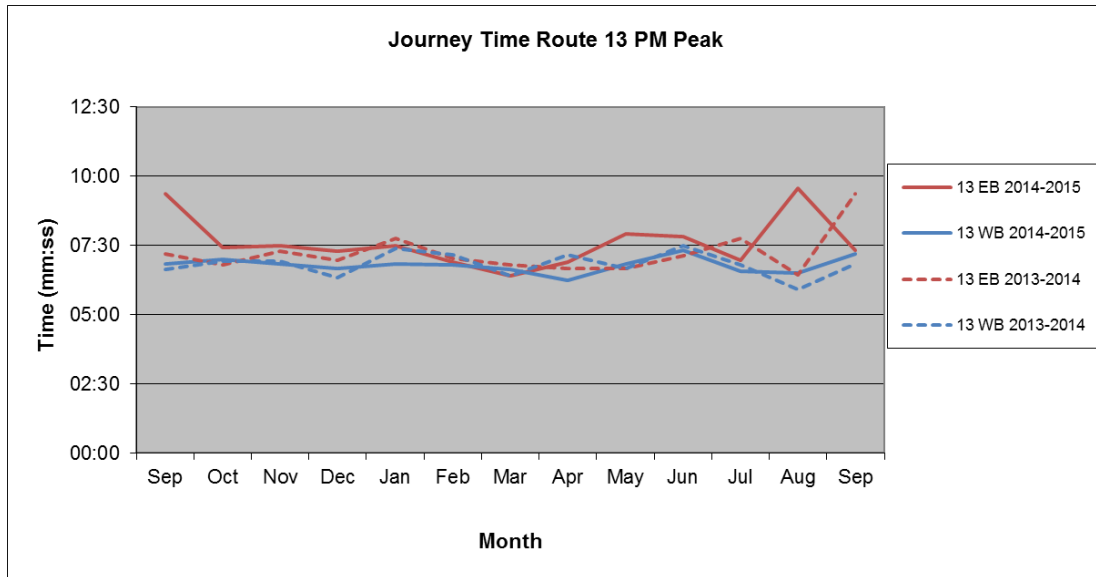


Figure 7-40 Route 13 A904 Old Philpstoun to Echline Junction AM Peak

In the AM Peak, journey times were more consistent in the westbound direction compared to the eastbound, generally falling within the range of six to eight minutes. In the eastbound direction, times were higher and less consistent than in the previous monitoring period, with highs of approximately eight and a half minutes in January and May. Traffic was generally found to be free flowing throughout the monitoring period.

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-14	1	7.0	00:09:23	1	7.0	00:06:49
	Oct-14	1	6.8	00:07:26	1	7.0	00:06:59
	Nov-14	1	7.0	00:07:30	1	7.0	00:06:49
	Dec-14	1	7.0	00:07:17	1	7.0	00:06:40
	Jan-15	1	7.0	00:07:30	1	6.9	00:06:49
	Feb-15	1	6.9	00:06:53	1	6.9	00:06:47
	Mar-15	1	7.0	00:06:24	1	7.0	00:06:38
	Apr-15	1	7.0	00:06:54	1	7.0	00:06:15
	May-15	1	7.0	00:07:55	1	7.0	00:06:50
	Jun-15	1	7.0	00:07:50	1	7.0	00:07:19
	Jul-15	1	7.0	00:06:57	1	7.0	00:06:34
	Aug-15	1	7.0	00:09:33	1	7.0	00:06:31
Sep-15	1	7.0	00:07:20	1	7.0	00:07:12	



**Figure 7-41 Route 13 A904 Old Philpstoun to Echline Junction PM Peak**

In the PM Peak, journey times were generally consistent in both directions, with the exception of September 2014 and August 2015 in the eastbound direction. Queuing on the approach to Echline Junction was the likely cause of the high September journey time.

## Appendix A Automatic Traffic Counter Locations

F

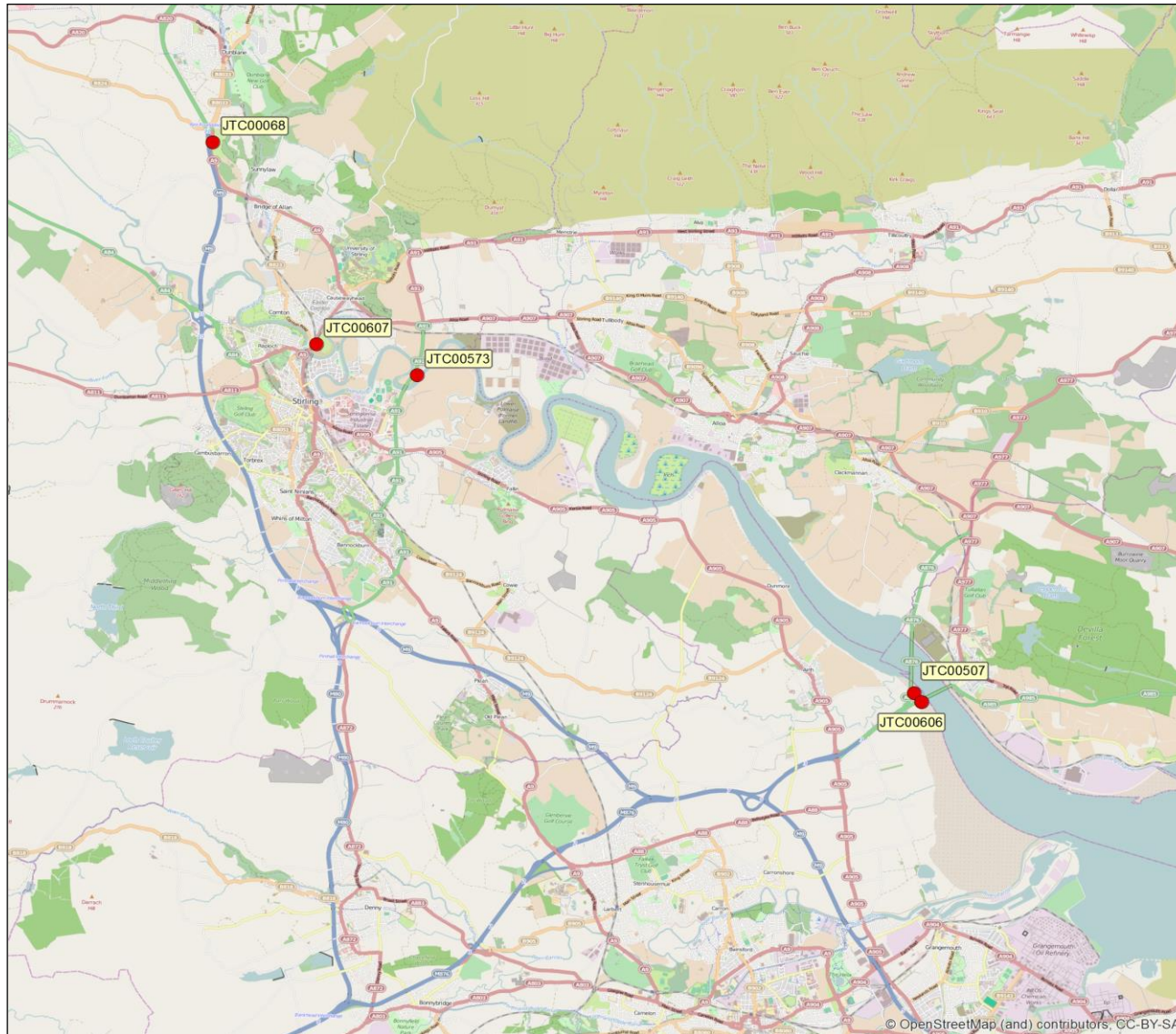


Figure 7-42 Automatic Traffic Counter Locations - Kincardine Area

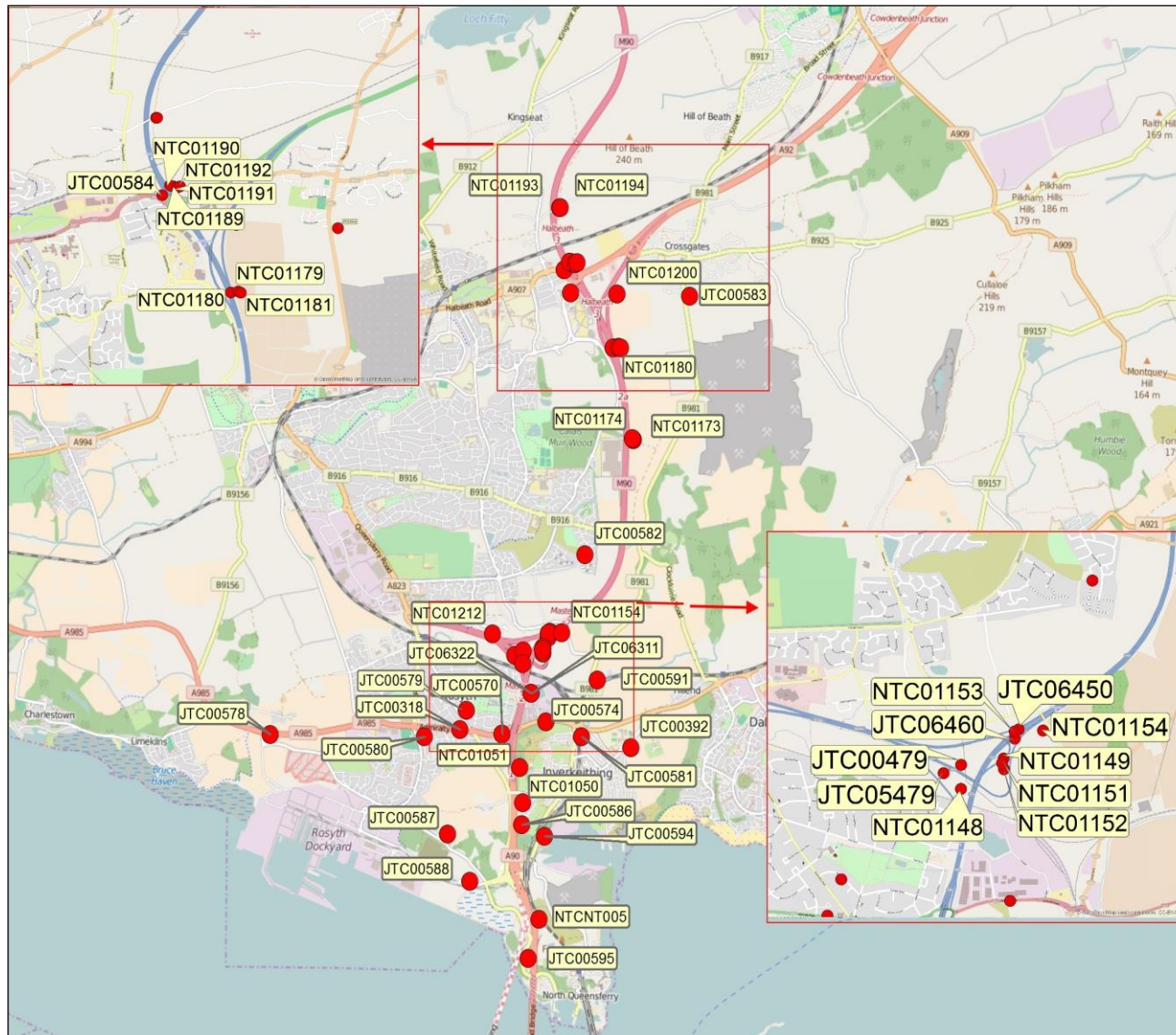


Figure 7-43 Automatic Traffic Counter Locations – Fife Area









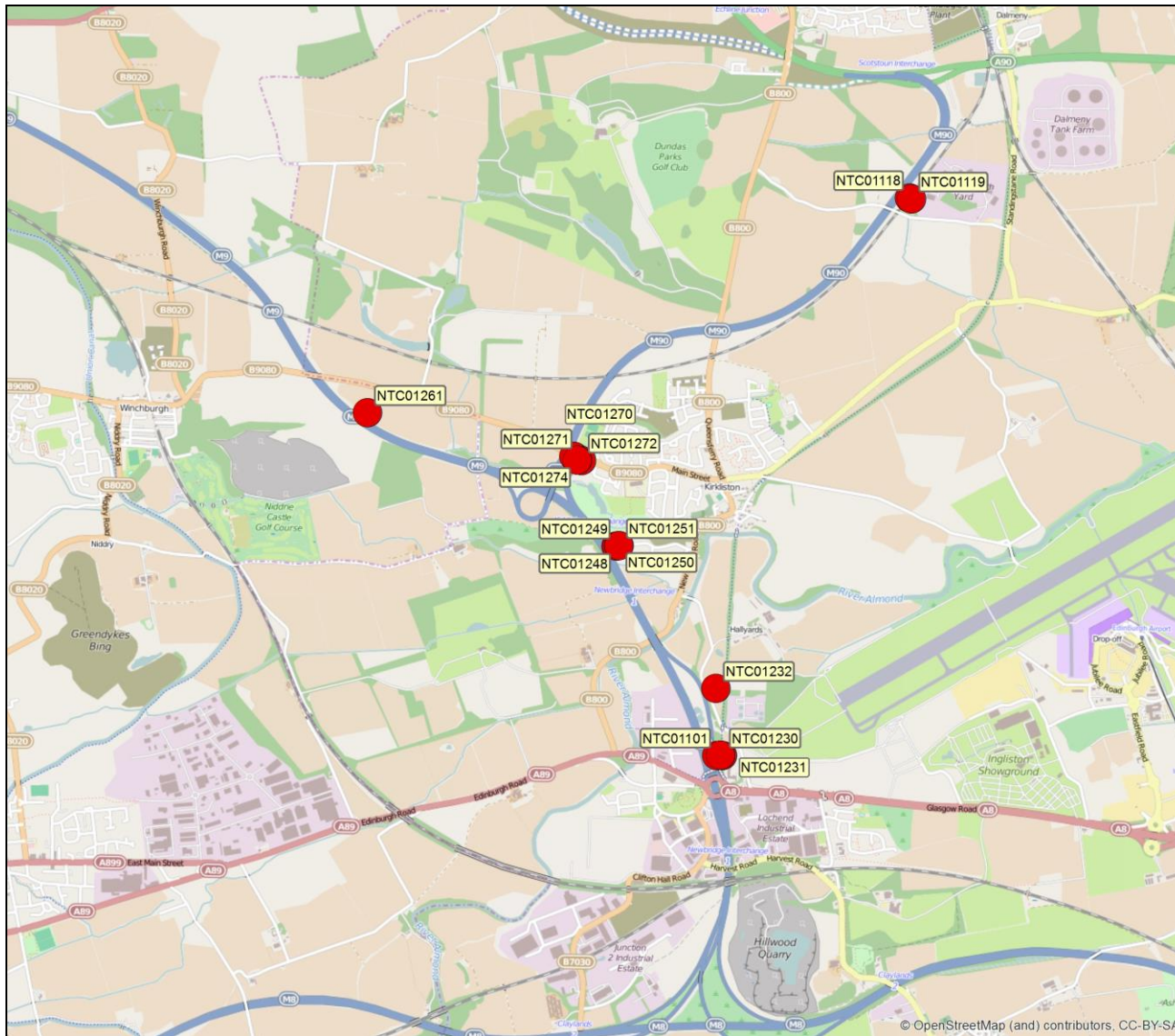


Figure 7-46 NTC Locations – Edinburgh Area