

ASSOCIATION OF GREATER MANCHESTER AUTHORITIES

GREATER MANCHESTER TRANSPORTATION UNIT

**A Before and After Analysis of Reported
Accidents at Puffin Crossings and at Signalised
Junctions with Nearside Indicators
(An Update of GMTU Report 1257)**

GMTU Report 1550 November 2009

Summary

This report summarises GMTU's analysis of reported road accidents at Puffin Crossings and signalised junctions with nearside indicators in Greater Manchester. The report follows a similar format to that of Report 1257, which was released in February 2007. In particular, this study covers:

- 151 sites converted from Pelican crossings to Puffins
- 169 sites at which a Puffin has been installed where there was previously no crossing facility
- 126 signal controlled junctions where modification has been made to replace far-side pedestrian indicators with nearside pedestrian indicators
- 60 signal controlled junctions with newly installed nearside pedestrian indicators.

For each group of sites, the Tanner test was performed, which combined the results from sites and compared any changes with suitable control data for the same time periods.

With the inclusion of further sites, current analyses for the two site groups suggest that locations with nearside indicators tend to present a safer environment for road users in general. Analysis of the newly installed Puffin crossing sites now showed reductions in total and pedestrian accidents which were statistically significant at the 5% level.

Analysis of the signal controlled junctions, following modification of far-side to nearside indicators showed a reduction in total accidents which was highly significant at the 1% level. However, the reduction in pedestrian accidents was not statistically significant. Newly installed nearside indicators also showed reductions but were not statistically significant.

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1 Introduction

- 1.1 The Puffin crossing was intended to be an alternative/replacement to the Pelican crossing in order to provide a safer crossing environment for pedestrians. The fundamental difference between these crossings is that Puffin crossings incorporate nearside pedestrian indicators instead of far-side pedestrian indicators and they are further improved by being fitted with pedestrian detectors to determine and respond to the presence of pedestrians. Nearside pedestrian indicators can also be used at traffic signal controlled junctions, and these are increasingly being used in preference to far-side indicators at sites in Greater Manchester.
- 1.2 In February 2007, the Greater Manchester Transportation Unit (GMTU) published a report analysing all reported accidents and pedestrian accidents before and after implementation of 276 Puffin crossing sites and 185 signalised junctions with nearside pedestrian indicators across Greater Manchester. The low numbers of accidents at some sites, both before and after Puffin installation, made it difficult to detect any statistical significance to the results. This report includes sites implemented, converted or modified up to July 2009. It was hoped that the additional sites would increase the detection of any statistically significant changes in safety before and after implementation of nearside indicators.
- 1.3 The Greater Manchester Urban Traffic Control (GMUTC) supplied a further update file providing 390 Puffin crossing sites and 262 signalised junctions with nearside pedestrian indicators, together with information on whether they were converted sites, modified sites or new sites and date of conversion, modification or installation. The following table summarises these Puffin sites that are analysed in this report;

Type of Site	Number of Sites		
	Converted	New	Total
Puffin Crossings	188	202	390
	Modified*	New	Total
Signalised Junctions with Nearside Indicators	171	91	262

Note: * - A modified site is the replacement of far-side indicator to near-side indicator

- 1.4 To evaluate the potential road safety benefits of Puffin crossings, this study assesses the accident record at converted puffin sites that previously had Pelican style pedestrian facilities and at newly installed Puffin crossings. It also considers signalised junctions with nearside indicators in Greater Manchester.

2 Methodology

- 2.1 In August 2009, GMUTC supplied files providing a “fras or UTC reference” for 390 Puffin sites and 262 signalised junctions with nearside indicators. These 652 sites included the 461 sites previously used in the analysis reported in the GMTU Report 1257.
- 2.2 As with the previous study, GMTU used the puffin unique site references to map the puffins by matching the “fras reference” to our existing geographical representation of pedestrian crossings. 50 metre “buffers” were set up automatically around each puffin crossing and then these were manually tailored to enable accident searches to be made for reported accidents within 50 metres of the puffins. The tailoring was required to ensure that, as far as possible, only accidents along the travelled route were considered.
- 2.3 Signalised junctions were treated in a similar fashion. Thirty metre “buffers” were set up automatically around each junction and then these were manually tailored to enable accident searches to be made for reported accidents up to 20 metres of the junctions. The tailoring was required to ensure that only junction accidents were considered.
- 2.4 These accidents were then transferred to our GMAXI Freestyle database and analysed to produce accident totals by severity for three years before and after the installation/conversion/modification date of each site. The installation, conversion or modification dates ranged from May 1997 to June 2008. The appropriate accident data for each site ranging between July 1994 and August 2009 has therefore been used in the analysis.
- 2.5 Accidents prior to 1994 were only coded to the accuracy of nearest 100 metres and therefore make it difficult to extract the appropriate accident data within the tailored “buffers” for those sites that required pre-1994 accidents. Therefore, sites with implementation dates pre-1997 were excluded from the analysis.
- 2.6 The number of days of after data was calculated so that sites without three years after data could be adjusted and analysed on the same basis as the other sites. All 652 sites had more than one year after data and were all included in the analysis.
- 2.7 Pedestrian and all accidents by severity were tabulated. An annual accident rate for each site before and after the implementation date was produced and accident savings or increases calculated. Separate analysis was undertaken on new and converted Puffin sites, whereas the signalised junctions with nearside indicators were split into new and modified sites for analysis.

- 2.8 Accident statistics by length of time after implementation were also assessed to determine whether the findings are related to nearness to installation, conversion or modification date. For those sites with full three year before and after data, each year after the conversion/installation/modification date was analysed separately to see whether there was any change in accident rate over time.
- 2.9 The significance of the results for those sites with full three year before and after data was assessed using the Tanner test.
- 2.10 The Appendix gives the full listing of the locations and implementation dates of sites by type, e.g., converted and new Puffins and then modified and new nearside indicators signalised junctions.

3 Results – Converted Puffin Crossings

3.1 Tables 1 and 2 show the results for all reported accidents and pedestrian accidents at converted puffin sites. All 188 sites had more than one year after data and were all included in the analysis. Five sites had no reported accidents and 41 sites had no reported pedestrian accidents before or after the conversion. The analysis indicates;

- A decrease in killed and serious (KSI) accidents of 36% and a 20% decrease in the overall accident rate.
- A decrease in KSI pedestrian accidents of 26% and a nearly 24% decrease in the overall pedestrian accident rate.

No of Sites	Time since Conversion	Before			After			After-Before		
		KSI	Slight	All	KSI	Slight	All	KSI	Slight	All
17	1 -2 years	3.9	70.6	74.5	0.0	31.1	31.1	-3.9	-39.4	-43.4
20	2 - 3 years	18.3	78.3	96.6	4.6	62.0	66.6	-13.7	-16.3	-30.0
151	3 years	15.2	92.9	108.1	11.0	79.9	90.9	-4.2	-13.0	-17.2
188	All Sites	14.5	89.3	103.8	9.4	73.5	82.9	-5.2	-15.7	-20.9

No of Sites	Time since Conversion	Before			After			After-Before		
		KSI	Slight	All	KSI	Slight	All	KSI	Slight	All
17	1 -2 years	2.0	21.6	23.5	0.0	9.2	9.2	-2.0	-12.3	-14.3
20	2 - 3 years	10.0	18.3	28.3	2.3	13.8	16.1	-7.7	-4.5	-12.2
151	3 years	9.3	25.8	35.1	7.7	20.7	28.5	-1.5	-5.1	-6.6
188	All Sites	8.7	24.6	33.3	6.4	19.0	25.4	-2.2	-5.7	-7.9

Notes: * - To enable row values to be compared, the annual accident rate is shown as the number of accidents per 100 sites
Any discrepancies in 'After-Before' figures are due to rounding.

4 Results – New Puffin Crossings

4.1 Tables 3 and 4 show the results for the analysis of all reported accidents and reported pedestrian accidents at new puffin sites. All 202 sites were included in the analysis. Twenty-nine sites had no reported accidents before or after the installation of a new crossing and 51 had no reported pedestrian accidents. The analysis indicates:

- The overall reported accident rate decreased by 27% and the number of KSI accidents decreased by 8%.
- The reported pedestrian accident rate decreased by more than 34% but the number of KSI pedestrian accidents decreased by less than 16%.

No of Sites	Time since Installation	Before			After			After-Before		
		KSI	Slight	All	KSI	Slight	All	KSI	Slight	All
14	1 -2 years	7.1	40.5	47.6	7.6	20.8	28.4	0.5	-19.7	-19.2
19	2 - 3 years	8.8	35.1	43.8	9.0	30.2	39.2	0.3	-4.9	-4.6
169	3 years	7.3	77.1	84.4	6.5	55.0	61.5	-0.8	-22.1	-22.9
202	All Sites	7.4	70.6	78.0	6.8	50.3	57.1	-0.6	-20.3	-20.9

No of Sites	Time since Installation	Before			After			After-Before		
		KSI	Slight	All	KSI	Slight	All	KSI	Slight	All
14	1 -2 years	2.4	11.9	14.3	7.6	8.3	16.0	5.3	-3.6	1.7
19	2 - 3 years	1.8	12.3	14.0	4.7	5.8	10.5	2.9	-6.5	-3.6
169	3 years	4.7	22.5	27.2	3.2	14.0	17.1	-1.6	-8.5	-10.1
202	All Sites	4.3	20.8	25.1	3.6	12.8	16.4	-0.7	-8.0	-8.6

Notes: * - To enable row values to be compared, the annual accident rate is shown as the number of accidents per 100 sites
Any discrepancies in 'After-Before' figures are due to rounding.

5 Results – Signalised Junctions with Modified Nearside Indicators

Note that a modification is the replacement of a far-side indicator to a nearside indicator.

5.1 Tables 5 and 6 show the results for all reported accidents and reported pedestrian accidents at signalised junctions with modified nearside indicators. All 171 sites had more than one year after data and were all included from the analysis. Three sites had no reported accidents and 34 sites had no reported pedestrian accidents before or after the modification. The analysis indicates;

- All reported accidents decreased by nearly 31% and KSI accidents by 17%
- Reported pedestrian accidents showed similar reductions.

No of Sites	Time since Modification	Before			After			After-Before		
		KSI	Slight	All	KSI	Slight	All	KSI	Slight	All
25	1 -2 years	8.0	125.3	133.3	7.2	82.4	89.6	-0.8	-42.9	-43.7
20	2 - 3 years	21.7	214.9	236.6	14.6	103.7	118.2	-7.1	-111.3	-118.3
126	3 years	18.8	245.6	264.4	16.1	174.0	190.1	-2.6	-71.6	-74.3
171	All Sites	17.5	224.4	242.0	14.6	152.4	167.0	-2.9	-72.1	-75.0

No of Sites	Time since Modification	Before			After			After-Before		
		KSI	Slight	All	KSI	Slight	All	KSI	Slight	All
25	1 -2 years	5.3	22.7	28.0	0.0	14.3	14.3	-5.3	-8.4	-13.7
20	2 - 3 years	11.7	36.7	48.3	6.5	16.6	23.1	-5.2	-20.0	-25.2
126	3 years	10.8	52.3	63.2	9.5	36.7	46.3	-1.3	-15.6	-16.9
171	All Sites	10.1	46.2	56.3	7.8	31.1	38.9	-2.4	-15.1	-17.4

Notes: * - To enable row values to be compared, the annual accident rate is shown as the number of accidents per 100 sites

Any discrepancies in 'After-Before' figures are due to rounding.

6 Results – Signalised Junctions with New Nearside Indicators

6.1 Tables 7 and 8 show the results for the analysis for all reported accidents and reported pedestrian accidents at signalised junctions with new nearside indicators. All 91 sites had more than one year after data and were all included in the analysis. Seven sites had no reported accidents before or after the installation of a new nearside indicator and twenty-six had no reported pedestrian accidents. The analysis indicates:

- The number of reported KSI accidents decreased by 9% but more encouragingly the total number of reported accidents decreased by nearly 23%.
- The reported pedestrian accident rate decreased by 15% but the number of reported KSI pedestrian accidents nearly doubled.

No of Sites	Time since Installation	Before			After			After-Before		
		KSI	Slight	All	KSI	Slight	All	KSI	Slight	All
18	1 -2 years	7.4	118.5	125.9	4.1	103.3	107.4	-3.3	-15.1	-18.5
13	2 - 3 years	2.6	51.3	53.8	9.4	52.9	62.4	6.9	1.7	8.6
60	3 years	10.0	126.0	136.0	8.3	88.8	97.2	-1.7	-37.2	-38.8
91	All Sites	8.4	113.8	122.3	7.6	86.6	94.2	-0.8	-27.3	-28.0

No of Sites	Time since Installation	Before			After			After-Before		
		KSI	Slight	All	KSI	Slight	All	KSI	Slight	All
18	1 -2 years	0.0	11.1	11.1	4.1	0.0	4.1	4.1	-11.1	-7.1
13	2 - 3 years	0.0	15.4	15.4	9.4	16.6	26.0	9.4	1.2	10.7
60	3 years	3.3	15.0	18.3	3.3	11.1	14.4	0.0	-3.9	-3.9
91	All Sites	2.2	14.3	16.5	4.3	9.7	14.0	2.2	-4.6	-2.4

Notes: * - To enable row values to be compared, the annual accident rate is shown as the number of accidents per 100 sites
Any discrepancies in 'After-Before' figures are due to rounding.

7 Results – Puffin Crossing Facilities By Time Since Installation

- 7.1 The following analysis is an attempt to establish whether the results vary over time from the installation/conversion date.
- 7.2 All, KSI and pedestrian reported accidents for converted and new Puffins that have full three year before and after data have been assessed. The number of accidents has been analysed by each year after conversion or installation to ascertain whether there is a change in accident rate over time.
- 7.3 Tables 9 and 10 present these results for converted and new Puffins respectively.
- At converted sites, reported accidents for all three categories fell below the before period for each year after conversion.
 - At new sites, reported accidents for all three categories fell well below the before period except for KSI accidents in the second year after installation.

	151 Converted Sites			After-Before		
	KSI	All	All Ped	KSI	All	All Ped
Before (Rate/year)	23.0	163.3	53.0	-	-	-
First Year After	13.0	140.0	52.0	-10.0	-23.3	-1.0
Second Year After	18.0	140.0	41.0	-5.0	-23.3	-12.0
Third Year After	19.0	132.0	36.0	-4.0	-31.3	-17.0
After (Rate/year)	16.7	137.3	43.0	-6.3	-26.0	-10.0

	169 New Sites			After-Before		
	KSI	All	All Ped	KSI	All	All Ped
Before (Rate/year)	12.3	142.7	46.0	-	-	-
First Year After	6.0	107.0	27.0	-6.3	-35.7	-19.0
Second Year After	19.0	109.0	39.0	6.7	-33.7	-7.0
Third Year After	8.0	96.0	21.0	-4.3	-46.7	-25.0
After (Rate/year)	11.0	104.0	29.0	-1.3	-38.7	-17.0

Note: Any discrepancies in 'After-Before' figures are due to rounding.

8 Results – Signalised Junctions with Nearside Indicators By Time Since Installation

8.1 Again, the following analysis is an attempt to establish whether the results vary over time from the installation/modification date.

8.2 All, KSI and pedestrian reported accidents for junctions with modified nearside indicators and junctions with new nearside indicators that have full three year before and after data have been assessed. The number of reported accidents has been analysed by each year after modification or installation to ascertain whether there may be an initial problem with puffins close to the conversion/modification date.

8.3 Tables 11 and 12 present these results for modified and new nearside indicators respectively.

- At signalised junction with modified nearside indicators, the reported accident record in each year after modification was lower than the before period for all three categories of accidents except for KSI accidents in the first year after modification.
- The results for all reported accidents at new sites followed a similar pattern to those sites with modification. Numbers of KSI accidents at these sites are too low to draw any meaningful conclusions.

	126 Modified Sites			After-Before		
	KSI	All	All Ped	KSI	All	All Ped
Before (Rate/year)	23.7	333.3	79.7	-	-	-
First Year After	25.0	248.0	68.0	1.3	-85.3	-11.7
Second Year After	20.0	256.0	60.0	-3.7	-77.3	-19.7
Third Year After	16.0	215.0	47.0	-7.7	-118.3	-32.7
After (Rate/year)	20.3	239.7	58.3	-3.3	-93.7	-21.3

	60 New Sites			After-Before		
	KSI	All	All Ped	KSI	All	All Ped
Before (Rate/year)	6.0	81.7	11.0	-	-	-
First Year After	4.0	61.0	11.0	-2.0	-20.7	0.0
Second Year After	4.0	59.0	7.0	-2.0	-22.7	-4.0
Third Year After	7.0	55.0	8.0	1.0	-26.7	-3.0
After (Rate/year)	5.0	58.3	8.7	-1.0	-23.3	-2.3

Note: Any discrepancies in 'After-Before' figures are due to rounding.

9 Tanner Test – Site Selection and Control Data

- 9.1 It was decided that further statistical analysis was required to assess the significance of the results for those sites with full three year before and after data. The test aims to determine the effect of a given measure over several sites when the duration of time since implementation varies between sites. The selected sites can be summarised as follows:

Type of Site	Number of Sites		
	Converted	New	Total
Puffin Crossings	151	169	320
	Modified*	New	Total
Signalised Junctions with Nearside Indicators	126	60	186

Note: * - A modified site is the replacement of far-side indicator to near-side indicator

- 9.2 The Tanner test is used in situations where it is required to combine accident data from a number of sites where similar changes have taken place, such as implementation of Puffin crossing facilities across a number of sites. The analysis performs two functions. Firstly it tests the overall effects for all sites combined, and secondly it tests for variation between the different sites.
- 9.3 To conduct this test, control data were required. For this study, total reported accidents and reported pedestrian accidents for the rest of the county were used as a control for both the Puffin crossings and signalised junctions with nearside indicators.
- 9.4 For both the Puffin crossings and signalised junctions with nearside indicators, these analyses aim to compare the change in accidents at these various site groups (site data) with the accident figures from the rest of the county over the same period (control data) and test the statistical significance of any differences using the Tanner test. Since the control data is at least 10 times as numerous as the site data and the two sets of data are mutually exclusive, the control data is suitable to be used in the statistical testing.

- 9.5 The Tanner test uses two parameters to determine the statistical significance of differences in accident data before and after implementation of the revised arrangements;
- “t” is used to test the overall effect over all the sites combined, relative to control data;
 - “X²” is used to test whether the effect varies significantly from site to site.
- 9.6 In this study 95% confidence level was used as a threshold. For those sites where the number of accidents both before and after implementation was zero, the zeros were substituted by 0.01 to allow the Tanner test to run correctly.

10 Tanner Test – Results

10.1 Table 14 presents the Tanner test results for all the analyses performed.

Type of Site		No. of Sites	All			Pedestrian		
			% Change	X ²	t	% Change	X ²	t
Puffin Crossings	Converted	151	-2	157.84	-0.243	-4	119.37	-0.312
	New	169	-15	146.58	-2.545	-27	102.08	-2.260
Signalised Junctions with Nearside Indicators	Modified	126	-14	145.23	-2.702	-11	115.84	-1.178
	New	60	-14	107.29	-0.982	-4	36.16	-0.155

- % Change = change over and above that in the control sites
- The interpretation of “t” is given by referring to a table of percentage points of the t-distribution for infinite degrees of freedom referring. A t-value of 1.96 would represent a 5% significance level. “t” indicates the level of significance of the overall effect of the changes.
- “X²” is interpreted by reference to a table of percentage points for the X² distribution, for N-1 degrees of freedom, where N is the number of sites being tested. If X² is significant, we may conclude that the effect of the installation/conversion/modification is not the same at all sites, i.e., the effect of the change varied from site to site.
- If the Tanner test is performed for a site group and the results show that the percentage reduction in accidents over and above that recorded at control sites is statistically significant, this means that the 'after'/'before' ratios at the analysed puffin sites are greater than those in the corresponding control areas, i.e. the converted, new or modified puffin has had an effect and has therefore reduced the number of accidents significantly.

Puffin Sites

- 10.2 For those Puffin crossing sites where a Puffin crossing replaced a Pelican crossing (N=151), there was a 16% reduction in total reported accidents over all 151 sites. The Tanner test showed that this actually represented a decrease of less than 2% relative to control data (the rest of the county). The difference was not statistically significant. At these conversions, the X^2 result showed that this effect did vary significantly across all the sites. However, the conversion of all 151 Puffin sites has not reduced the number of reported accidents significantly.
- 10.3 When examining reported pedestrian accidents for these converted Puffin sites, there was a 19% reduction in accidents over all 151 sites. A Tanner test showed that this actually represented a decrease of less than 4% relative to control data. The difference was not statistically significant. At these conversions, the X^2 result showed that the effect did not vary significantly across all the sites. Therefore, the conversion of all 151 Puffin sites has not decreased the number of reported pedestrian accidents significantly.
- 10.4 For those Puffin crossing sites where there had been no formal crossing facility previously (N=169), there was a 27% reduction in total reported accidents over all 169 sites. The Tanner test showed that this represented a reduction of 15% relative to control data (the rest of the county) which was statistically significant. At these new installations, the X^2 result showed that the effect did vary significantly across all the sites. Therefore, the introduction of these 169 Puffin sites has reduced the number of reported accidents significantly.
- 10.5 When examining the reported pedestrian accidents for these new Puffin sites, there was a 37% reduction in accidents over all 169 sites. A Tanner test showed that this represented a decrease of 27% relative to control data which was significant. At these installations, the X^2 result showed that the effect did not vary significantly across all the sites. However, the introduction of all 169 Puffin sites has reduced the number of pedestrian accidents significantly.
- 10.6 **In summary, total reported accidents and reported pedestrian accidents fell only slightly relative to controls where a Puffin crossing had replaced a Pelican crossing and fell more substantially at sites which had no formal crossing previously. The changes were only statistically significant at those sites which had no former crossing facility.**

Signalised Junctions with Nearside Indicators

- 10.7 For those signalised junctions with modified nearside indicators (N=126), there was a 28% reduction in total reported accidents over all 126 sites. The Tanner test showed that this represented a 14% reduction relative to controls (the rest of the county) which was highly significant. At these modified sites, the X^2 result showed that the effect did vary significantly across all the sites. Therefore, the modification of far-side to nearside indicators at all 126 signalised junctions has reduced the reported number of accidents very significantly.
- 10.8 When examining the reported pedestrian accidents for these modified sites, there was a 27% reduction in accidents over all 126 sites. A Tanner test showed that this represented just 11% reduction relative to controls. The difference was not statistically significant. At these modified sites, the X^2 result showed that the effect did not vary significantly across all sites. Therefore, the modification of far-side to nearside indicators at all 126 signalised junctions has not reduced the number of reported pedestrian accidents significantly.
- 10.9 For those signalised junctions with new nearside indicators (N=60), there was a 29% reduction in total accidents over all 60 sites. The Tanner test showed that this represented a reduction of 14% relative to control data (the rest of the county). The difference was not statistically significant. At these new installation junctions, the X^2 result showed that the effect did vary significantly across all the sites. However, the introduction of new nearside indicators at these 60 signalised junctions has not reduced the number of accidents significantly.
- 10.10 When examining the reported pedestrian accidents for these signalised junctions with new nearside indicators, there was a 21% reduction in accidents over all 60 sites. A Tanner test showed that this represented a decrease of just 4% relative to control data. The difference was not statistically significant. At these new installation junctions, the X^2 result showed that the effect did not vary significantly across all the sites. Therefore, the introduction of nearside indicators at these 60 signalised junctions has not reduced the number of reported pedestrian accidents significantly.
- 10.11 **In summary, similar to the Puffin site groups, both modified and new sites saw a drop in all reported accidents and reported pedestrian accidents relative to controls after implementation of nearside indicators at signalised junctions. For those signalised junctions with modified nearside indicators, the percentage reduction in total reported accidents was highly significant at the 5% and 1% levels with significant variation between sites in this group. However, the percentage reduction in reported pedestrian accidents was not statistically significant at the 5% level and there was not significant variation between sites.**

10.12 Analysis on both total reported accidents and reported pedestrian accidents for those signalised junctions with new nearside indicators showed that the changes were not statistically significant, even though total reported accidents showed significant variations between sites.

11 Conclusions

- 11.1 Separate accident analyses of total reported accidents and reported pedestrian accidents before and after implementation of 151 converted and 169 newly installed Puffin crossing sites across Greater Manchester were conducted; these are the 320 sites with full three year before and after data. Accidents within the area 50m either side of the crossing was included in the analysis. For each site group, the Tanner test was performed to combine information from a number of sites and to compare any changes with suitable control data for the same periods.
- 11.2 Similarly, for those signalised junctions with nearside indicators, separate accident analyses of total reported accidents and reported pedestrian accidents before and after implementation of 126 modified and 60 newly installed junction sites across Greater Manchester were carried out; these are the 186 sites with full three year before and after data. An area up to 20m around each junction was included in the analysis. For each site group, the Tanner test was performed to combine information from a number of sites and to compare any changes with suitable control data for the same periods.
- 11.3 Analyses for the Puffin site groups suggest that total reported accidents and reported pedestrian accidents fell only slightly relative to controls where a Puffin crossing had replaced a Pelican crossing and fell more substantially at sites which had no formal crossing previously, therefore these changes were only statistically significant at those sites which had no former crossing facility.
- 11.4 The results for the signalised junctions with nearside indicators were also encouraging, as both junction site groups saw a drop in total reported accidents and reported pedestrian accidents relative to controls after the implementation. For those signalised junctions with modified nearside indicators, the percentage reduction in total accidents was highly significant at the 1% level with significant variation between sites in this group, whereas the percentage reduction in pedestrian accidents was not statistically significant at the 5% level and there was not significant variation between sites.
- 11.5 Analyses on both total reported accidents and reported pedestrian accidents for those signalised junctions with new nearside indicators found that changes were not statistically significant, even though total reported accidents showed significant variations between sites.
- 11.6 Although this study attempts to analyse the effects of the introduction of nearside indicators at pedestrian crossings, it is unlikely that any conversions from far-side to nearside indicators were made without other engineering measures being implemented at the same time. For instance, signal timings may have been changed or changes to junction layouts may have been implemented.
- 11.7 Therefore, in the case of pelican to puffin conversions and junction nearside indicator modifications, this report really presents an analysis of the effect of changes of the total package of engineering measures introduced.

- 11.8 Finally, further statistical analysis was undertaken on all reported KSI accidents and reported pedestrian KSI accidents. The results of this analysis have not been presented in this report as the low numbers of these accidents made it difficult to attach any statistical significance to the results.

12. Appendix List of Sites

List of Converted Puffin Sites with Associated Reported Accident Data Sorted by Conversion Date

Site No.	Road Names	Easting	Northing	Authority	Conversion Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
965	Buxton Rd S of Regent Rd	390261	388619	Stockport	19-Sep-97	1.33	0.00	1	0	2	1	4	1	2.33	0.67	365	365	366
1242	Princess Rd S of Darley Ave	382981	391874	Manchester	18-Nov-97	1.33	0.00	7	0	3	1	0	0	3.33	0.33	365	365	366
1243	Princess Rd N of Merseybank Ave	382835	391538	Manchester	09-Dec-97	4.33	1.33	4	1	2	1	5	3	3.66	1.67	365	365	366
675	Chester Rd NE of Chapel Ln (Arndale)	379557	394189	Trafford	09-Mar-98	1.00	0.00	0	0	1	0	2	1	1.00	0.33	365	366	365
877	Eccles Old Rd E of Chaseley Rd	380047	399508	Salford	15-Nov-98	1.00	0.33	1	0	0	0	0	0	0.33	0.00	365	366	365
816	Eccles Old Rd E of Hope Hospital Access	378520	399204	Salford	11-Jan-99	1.00	0.67	2	0	1	0	0	0	1.00	0.00	365	366	365
930	Wellington Rd N, S of Milwain Dr	388057	392812	Stockport	12-Apr-00	2.33	0.33	1	0	1	0	1	0	1.00	0.00	365	365	365
928	Wellington Rd N, N of Brackley Rd	388461	391985	Stockport	26-Apr-00	0.67	0.33	0	0	0	0	0	0	0.00	0.00	365	365	365
1233	Stockport Rd, N of Mitre Rd	386707	395698	Manchester	28-Apr-00	1.67	1.00	3	3	1	0	0	0	1.33	1.00	365	365	365
892	Liverpool Rd, E of Thorp St	375565	397864	Salford	14-May-00	0.67	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
1013	Princess Rd, W of Greame St	383820	395400	Manchester	17-May-00	0.00	0.00	0	0	1	0	1	0	0.67	0.00	365	365	365
518	Liverpool Rd, E of Lewis St	376578	398473	Salford	19-May-00	0.33	0.00	1	1	2	0	0	0	1.00	0.33	365	365	365
1086	Stockport Rd, S of Cringle Rd	387776	393417	Manchester	02-Jun-00	1.33	0.00	3	0	1	0	0	0	1.33	0.00	365	365	365
666	Church St, E of Mather Rd	377312	398554	Salford	08-Jun-00	3.00	1.67	2	1	1	0	1	0	1.33	0.33	365	365	365
667	Liverpool Rd, W of Gladstone Rd	377024	398562	Salford	20-Jun-00	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
921	Wellington Rd N, S of Warwick Rd	388603	391657	Stockport	04-Sep-00	1.33	0.00	0	0	0	0	1	1	0.33	0.33	365	365	365
1227	Stockport Rd N of Winterford Ave	385923	396464	Manchester	07-Sep-00	0.33	0.33	2	2	0	0	1	0	1.00	0.67	365	365	365
4/044	High St, N of New St	395229	404599	Oldham	04-Apr-01	0.67	0.33	1	1	2	0	1	1	1.33	0.67	365	365	366
1/106	St Helens Rd SW of Henry Lee St	370193	407484	Bolton	06-Apr-01	1.00	0.33	0	0	2	0	1	0	1.00	0.00	365	365	366
1/103	St Helens Rd NE of Venice St	370546	407770	Bolton	23-Apr-01	1.67	0.00	3	0	2	1	3	1	2.66	0.67	365	365	366
1/107	St Helens Rd NE of Henniker Rd	369425	406840	Bolton	25-Apr-01	0.33	0.00	0	0	1	0	1	0	0.67	0.00	365	365	366
1/104	St Helens Rd SW of Church Ave	370436	407684	Bolton	09-May-01	2.00	0.00	3	0	0	0	4	0	2.33	0.00	365	365	366
1080	Stockport Rd S of Crayfield Rd	387566	393800	Manchester	11-May-01	1.67	0.33	0	0	1	0	1	1	0.67	0.33	365	365	366
1014	Princess Rd N of Raby St	383823	395706	Manchester	11-May-01	0.67	0.00	1	1	1	0	1	0	1.00	0.33	365	365	366
1/105	St Helens Rd SW of Haynes St	369879	407169	Bolton	16-May-01	0.67	0.33	0	0	0	0	4	1	1.33	0.33	365	365	366
1/102	St Helens Rd NE of Smethurst Ln	369729	407022	Bolton	23-May-01	0.67	0.00	0	0	1	1	2	0	1.00	0.33	365	365	366
1079	Stockport Rd N of Cronshaw St	387670	393635	Manchester	01-Jun-01	1.00	0.67	3	2	1	1	1	0	1.67	1.00	365	365	366

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Site No.	Road Names	Easting	Northing	Authority	Conversion Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
1/064	Newbrook Rd SW of Crescent Ave	368978	405607	Bolton	12-Jun-01	0.67	0.00	1	0	0	0	3	1	1.33	0.33	365	365	366
811	Chapel St S of Bexley Square	382900	398544	Salford	28-Jun-01	1.67	0.67	1	0	2	1	0	0	1.00	0.33	365	365	366
827	Gt Cheetham St E, E of Duncombe St	383147	400696	Salford	06-Jul-01	1.33	1.33	0	0	0	0	0	0	0.00	0.00	365	365	366
158	Cheetham Hill Rd N of Huxley Ave	384455	400675	Manchester	20-Dec-01	2.33	0.33	0	0	0	0	0	0	0.00	0.00	365	365	366
1082	Stockport Rd S of Woodfold Ave	387371	394564	Manchester	11-Jan-02	0.67	0.33	2	1	0	0	0	0	0.67	0.33	365	365	366
211	Great Moor St N of Dawes St	371613	408914	Bolton	18-Jan-02	1.00	0.00	1	0	0	0	0	0	0.33	0.00	365	365	366
5/083	Market St W of Moss St	385394	410815	Rochdale	23-Jan-02	0.00	0.00	0	0	1	0	1	0	0.67	0.00	365	365	366
1109	Cheetham Hill Rd SE of Shirley Rd	384271	401114	Manchester	24-Jan-02	1.33	0.00	2	2	3	1	3	2	2.66	1.67	365	365	366
1111	Gt Ducie St S of Sherbourne St	383586	399524	Manchester	01-Feb-02	1.00	0.00	1	0	0	0	2	0	1.00	0.00	365	365	366
5/084	Dawson St W of Moss St	385421	410852	Rochdale	08-Feb-02	0.67	0.33	0	0	1	0	0	0	0.33	0.00	365	365	366
262	Howell Croft S, N of Ashburner St	371573	409036	Bolton	14-Mar-02	0.33	0.33	0	0	0	0	1	0	0.33	0.00	365	366	365
8/1	Manchester Rd E of Fairfield Ave	390181	397317	Tameside	24-May-02	3.00	1.00	0	0	3	1	0	0	1.00	0.33	365	366	365
424	Kingsway W of Pinnington Ln (Arndale)	379530	394449	Trafford	31-Jul-02	1.67	0.67	0	0	1	0	0	0	0.33	0.00	365	366	365
8/008	Stockport Rd N of Town Ln	392675	395054	Tameside	15-Aug-02	1.67	0.33	2	1	5	0	2	0	3.00	0.33	365	366	365
732	Ashton Rd N of Crossbank St	392426	404374	Oldham	25-Aug-02	2.00	1.00	4	1	5	1	6	0	5.00	0.67	365	366	365
954	Stockport Rd SW of Parkway	386964	389107	Stockport	03-Sep-02	1.67	0.00	1	0	0	0	1	1	0.67	0.33	365	366	365
3/28	Sale Rd N of Yew Tree Ln	381427	390659	Manchester	07-Oct-02	0.67	0.67	1	0	0	0	4	2	1.67	0.67	365	366	365
5/069	Rochdale Rd E of Dalton Ave	391985	413209	Rochdale	11-Dec-02	0.33	0.00	1	1	1	0	0	0	0.67	0.33	365	366	365
10/076	Market St W of Flapper Fold Ln	367393	403124	Wigan	21-Feb-03	1.00	0.33	0	0	0	0	0	0	0.00	0.00	365	366	365
5/013	Oldham Rd N of Queen Victoria St	390443	411667	Rochdale	04-Mar-03	0.00	0.00	2	1	0	0	2	0	1.33	0.33	366	365	365
4/076	Lees Rd E of Gibraltar St	394700	404571	Oldham	06-Mar-03	1.67	0.67	1	0	1	1	0	0	0.67	0.33	366	365	365
5/093	Oldham Rd S of Melbourne Rd	390579	410829	Rochdale	17-Mar-03	0.67	0.33	1	0	0	0	0	0	0.33	0.00	366	365	365
5/067	Entwistle Rd N of Gowers St	390640	413873	Rochdale	27-Mar-03	0.33	0.33	2	2	0	0	0	0	0.67	0.67	366	365	365
5/079	Oldham Rd N of Fletcher St	390354	412225	Rochdale	10-Apr-03	0.67	0.00	1	1	2	1	0	0	1.00	0.67	366	365	365
925	Buxton Rd N of Mile End Rd	390543	388278	Stockport	24-Apr-03	0.00	0.00	1	1	0	0	0	0	0.33	0.33	366	365	365
926	Buxton Rd S of Woodsmoor Ln	390739	388130	Stockport	24-Apr-03	2.67	1.00	0	0	2	0	0	0	0.67	0.00	366	365	365
927	Buxton Rd N of Cherry Tree Ln	391042	387971	Stockport	25-Apr-03	3.00	0.33	1	0	3	2	1	0	1.67	0.67	366	365	365
5/089	Oldham Rd N of Shaw Rd	390793	410412	Rochdale	08-May-03	0.67	0.67	1	0	1	1	0	0	0.67	0.33	366	365	365

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Site No.	Road Names	Easting	Northing	Authority	Conversion Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
1048	Cross St N Of St Annes St	383872	398375	Manchester	08-Jun-03	2.00	1.33	3	1	3	3	0	0	2.00	1.33	366	365	365
1/43	Market St E of Heywood St	375552	407310	Bolton	13-Jun-03	1.00	0.67	0	0	0	0	0	0	0.00	0.00	366	365	365
328	King St S of Hope St	393920	397936	Tameside	18-Jun-03	0.33	0.00	0	0	0	0	1	0	0.33	0.00	366	365	365
333	King St N of West St	393845	398234	Tameside	20-Jun-03	0.33	0.00	0	0	0	0	0	0	0.00	0.00	366	365	365
256	Tonge Moor Rd N of Haroldene St	372834	410905	Bolton	03-Jul-03	0.00	0.00	0	0	1	0	2	1	1.00	0.33	366	365	365
7/10	Mercian Way E of Grenville St	388849	389360	Stockport	11-Jul-03	1.67	0.67	0	0	2	0	1	1	1.00	0.33	366	365	365
1/057	Mossbank Way E of Berkeley Rd	371196	411682	Bolton	21-Jul-03	1.00	0.00	1	0	0	0	0	0	0.33	0.00	366	365	365
710	Manchester Rd N of Old Ln	391113	403466	Oldham	30-Jul-03	0.00	0.00	1	1	0	0	0	0	0.33	0.33	366	365	365
755	Manchester St NE of Windsor Rd	391543	404460	Oldham	15-Aug-03	1.00	0.33	1	1	1	1	1	1	1.00	1.00	366	365	365
682	Bury New Rd N of Egerton Rd	380727	405565	Bury	17-Sep-03	0.33	0.00	2	0	1	0	1	0	1.33	0.00	366	365	365
2/8	Manchester Rd S of St. Peter's Rd	380467	408896	Bury	17-Sep-03	0.33	0.33	0	0	2	0	0	0	0.67	0.00	366	365	365
919	King St West N of Gradwell St	389070	389894	Stockport	23-Sep-03	0.67	0.00	0	0	0	0	0	0	0.00	0.00	366	365	365
672	Bury New Rd N of Church Ln	381306	403841	Bury	14-Oct-03	0.67	0.33	1	0	1	1	0	0	0.67	0.33	366	365	365
2/7	Manchester Rd S of Leyland St	380712	407863	Bury	13-Nov-03	1.00	0.00	0	0	1	0	0	0	0.33	0.00	366	365	365
723	Manchester Rd N of Grange Ave	391234	403834	Oldham	14-Nov-03	0.33	0.33	1	0	0	0	1	0	0.67	0.00	366	365	365
7/170	Reddish Rd NE of Jowett St	389607	391660	Stockport	04-Dec-03	0.67	0.67	0	0	0	0	0	0	0.00	0.00	366	365	365
1026	Deansgate N of Brazenose St	383605	398176	Manchester	15-Dec-03	1.67	0.67	1	0	1	1	6	2	2.66	1.00	366	365	365
674	Chester Rd S of Sydney St	379834	394593	Trafford	22-Jan-04	0.33	0.00	1	1	0	0	0	0	0.33	0.33	366	365	365
1914	Stamford St W of Montague Rd, DP EB/WB	394906	398898	Tameside	30-Jan-04	0.67	0.33	2	2	3	2	0	0	1.67	1.33	366	365	365
1/54	Darwen Rd NW of Chetwyn Ave	372391	413235	Bolton	11-Feb-04	1.00	1.00	0	0	1	1	1	1	0.67	0.67	366	365	365
859	Bury New Rd S of Broom Ln	382689	401416	Salford	02-Mar-04	0.67	0.00	1	0	0	0	1	0	0.67	0.00	365	365	365
520	Bury New Rd N of St Paul's Rd	382164	402197	Salford	04-Mar-04	1.00	0.00	1	1	0	0	0	0	0.33	0.33	365	365	365
95	Oxford Rd S of York Place	384967	395912	Manchester	11-Mar-04	1.67	1.67	1	2	0	0	1	0	0.67	0.67	365	365	365
1073	Wilmslow Rd N of Walmer St	385149	395414	Manchester	15-Mar-04	2.66	0.67	1	0	4	0	4	0	3.00	0.00	365	365	365
1003	Wilmslow Rd S of Grandale St	385223	395256	Manchester	29-Mar-04	4.66	1.33	4	3	2	1	3	1	3.00	1.67	365	365	365
1025	Wilmslow Rd S of Claremont Rd	385292	395153	Manchester	07-Apr-04	2.00	0.67	1	0	1	0	4	0	2.00	0.00	365	365	365

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						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
177	Bury Old Rd NW of Seymour Rd,	383674	402042	Manchester	08-Apr-04	1.00	0.67	0	0	1	0	1	1	0.67	0.33	365	365	365
1101	Oldham Rd S of Naylor St,DP, NB/SB	385454	399309	Manchester	21-Apr-04	1.33	0.33	1	1	3	1	3	2	2.33	1.33	365	365	365
824	Bury New Rd N of Devonshire St	382875	400890	Salford	06-May-04	0.67	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
1 3	Deane Rd E of Balshaw Close	370279	408415	Bolton	29-Jun-04	2.33	1.00	5	2	2	1	1	1	2.67	1.33	365	365	365
1226	Stockport Rd S of Plymouth Gr	386170	396230	Manchester	02-Jul-04	0.33	0.00	1	0	1	0	1	0	1.00	0.00	365	365	365
6 15	Hankinson Way N of Loganberry Ave, DP NB/SB	381089	399149	Salford	22-Jul-04	0.33	0.00	0	0	0	0	1	1	0.33	0.33	365	365	365
6 54	Littleton Rd N of Northallerton Rd	381557	400823	Salford	06-Aug-04	1.67	0.33	0	0	1	1	0	0	0.33	0.33	365	365	365
1123	Middleton Rd S of Heaton Park Entrance	383835	403903	Manchester	23-Aug-04	0.67	0.00	0	0	1	0	2	0	1.00	0.00	365	365	365
3 61	Moston Ln of Pym St	386885	401933	Manchester	24-Sep-04	1.33	1.33	0	0	0	0	1	0	0.33	0.00	365	365	365
7 126	Heaton Moor Rd S of Kings Dr	387514	391211	Stockport	04-Oct-04	0.33	0.33	0	0	1	1	0	0	0.33	0.33	365	365	365
683	Broadway N of Thatch Leach	390064	404494	Oldham	14-Oct-04	1.00	0.33	0	0	1	0	0	0	0.33	0.00	365	365	365
160	Kingsway S of Fairmile Dr	385236	389705	Manchester	02-Nov-04	2.33	0.33	0	0	2	0	1	0	1.00	0.00	365	365	365
501	Broadway S of Eustace St, DP	390632	406061	Oldham	12-Nov-04	1.00	0.33	2	1	2	1	0	0	1.33	0.67	365	365	365
685	Oldham Rd S of Robert St	390101	402037	Oldham	30-Nov-04	0.67	0.33	0	0	1	1	1	0	0.67	0.33	365	365	365
652	Market St S of Queen St	373890	406035	Bolton	09-Dec-04	1.00	0.33	1	0	0	0	0	0	0.33	0.00	365	365	365
3 47	St James Rd W of Malborough Rd	383511	400777	Manchester	16-Dec-04	1.00	0.67	0	0	1	1	1	0	0.67	0.33	365	365	365
7 33	Gt. Egerton St W of Car Park Exit	389378	390651	Stockport	16-Dec-04	0.33	0.33	0	0	1	1	0	0	0.33	0.33	365	365	365
742	Oldham Rd W of Norman St	390249	402201	Oldham	11-Jan-05	1.33	0.33	1	1	1	0	0	0	0.67	0.33	365	365	365
353	Stockport Rd NW of Clarke St	392541	397699	Tameside	21-Jan-05	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
7 34	Bird Hall Ln N of Shaftsbury Rd	387675	389044	Stockport	24-Jan-05	0.33	0.00	0	0	0	0	1	1	0.33	0.33	365	365	365
6 50	Langworthy Rd S of Amos St	380535	398873	Salford	10-Feb-05	0.67	0.33	0	0	0	0	1	0	0.33	0.00	365	365	365
354	Stockport Rd NE of Birch St	392713	397872	Tameside	25-Feb-05	1.00	0.67	1	1	2	1	1	0	1.33	0.67	365	365	365
627	Broadway N of Gorse St	389812	403759	Oldham	08-Mar-05	0.67	0.67	0	0	0	0	0	0	0.00	0.00	365	365	366
626	Broadway NW of Mough Ln	389341	403218	Oldham	11-Mar-05	2.00	0.67	1	0	0	0	0	0	0.33	0.00	365	365	366
3/18	Altrincham Rd E of Netherwood Rd	382384	389149	Manchester	16-Mar-05	0.67	0.00	0	0	0	0	1	0	0.33	0.00	365	365	366
152	Barlow Moor Rd S of Cundiff Rd (ex 3/98)	382001	393066	Manchester	24-Mar-05	0.67	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366

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						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
19	Barlow Moor Rd N of Malton Ave	381866	393507	Manchester	30-Mar-05	1.67	0.00	4	0	1	0	1	1	2.00	0.33	365	365	366
692	Oldham Rd N of Atlas St	393309	399996	Tameside	04-Apr-05	0.67	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
5 95	Manchester New Rd N of Moss Ln	386535	404472	Rochdale	07-Apr-05	0.33	0.33	1	0	0	0	0	0	0.33	0.00	365	365	366
1075	Wilbraham Rd E of Oswald Rd	381462	394018	Manchester	28-Apr-05	0.33	0.00	0	0	1	0	0	0	0.33	0.00	365	365	366
691	Oldham Rd S of Latchford St	393420	399650	Tameside	10-May-05	0.33	0.33	0	0	1	0	0	0	0.33	0.00	365	365	366
245	Bury Rd E of Belvoir St	373209	409400	Bolton	13-May-05	2.00	0.67	2	1	2	0	0	0	1.33	0.33	365	365	366
198	Barlow Moor Rd N of Napier Rd	381769	393849	Manchester	19-May-05	2.00	0.33	2	0	2	1	2	0	2.00	0.33	365	365	366
235	Bury Rd E of Blenheim Rd	373918	409420	Bolton	24-May-05	1.67	0.67	2	0	5	0	2	0	3.00	0.00	365	365	366
8 77	Taylor Ln S of Beech Ave	391823	395907	Tameside	03-Jun-05	1.00	0.33	0	0	0	0	0	0	0.00	0.00	365	365	366
8 97	Manchester Rd E of Balmoral Dr	390097	395664	Tameside	24-Jun-05	1.00	0.33	1	0	0	0	0	0	0.33	0.00	365	365	366
2 61	Wash Ln NW of Willow St	381762	410743	Bury	04-Jul-05	1.33	0.33	2	0	1	0	2	0	1.67	0.00	365	365	366
8 27	Hyde Rd W of Angel St	393097	395523	Tameside	14-Jul-05	1.00	0.00	1	1	1	0	0	0	0.67	0.33	365	365	366
1912	Stamford Square W of Mellor Rd (ex 8/48)	395162	398843	Tameside	10-Aug-05	0.33	0.33	3	0	1	1	2	1	2.00	0.67	365	365	366
721	Huddersfield Rd SW of Bentley St	394041	405542	Oldham	19-Aug-05	1.67	1.33	2	1	0	0	0	0	0.67	0.33	365	365	366
339	Market St NW of Nelson St	395017	394590	Tameside	25-Aug-05	0.67	0.67	1	0	0	0	1	1	0.67	0.33	365	365	366
7 88	Edgeley Rd NE of Alandale Rd	388083	389139	Stockport	02-Sep-05	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
7 119	Woodford Rd S of Meadway	389109	384359	Stockport	16-Oct-05	1.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
1204	Hyde Rd W of Debdale Ln	389637	395689	Manchester	19-Oct-05	0.67	0.33	1	0	3	0	1	0	1.67	0.00	365	365	366
2 32	Rochdale Rd east of York St	381121	410756	Bury	20-Nov-05	0.33	0.00	0	0	1	1	0	0	0.33	0.33	365	365	366
5 57	Milnrow Rd N of Vavasour St	390740	413000	Rochdale	02-Dec-05	1.00	0.00	3	3	0	0	1	1	1.33	1.33	365	365	366
941	Bramhall Ln N of Winifred Rd	389940	388545	Stockport	09-Dec-05	0.00	0.00	1	0	0	0	0	0	0.33	0.00	365	365	366
7 129	St. Mary's Way E of Shawcross St	390170	389701	Stockport	20-Dec-05	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
433	Walmersley Rd N of Buckley St	380924	411336	Bury	15-Jan-06	1.67	1.00	1	0	2	0	2	1	1.67	0.33	365	365	366
3 83	Mount Rd N of East Rd	388070	395590	Manchester	30-Jan-06	1.33	1.00	1	1	1	0	1	1	1.00	0.67	365	365	366
7 104	Marple Rd SE of The Fairway	391822	389138	Stockport	24-Mar-06	1.00	0.33	0	0	0	0	0	0	0.00	0.00	365	366	365
900	Offerton Ln NW of Salcombe Rd	391184	389587	Stockport	29-Mar-06	1.00	0.00	2	0	0	0	0	0	0.67	0.00	365	366	365
5 39	Halifax Rd E of Holland St	391888	415586	Rochdale	02-Apr-06	1.00	0.67	0	0	0	0	1	0	0.33	0.00	365	366	365
236	Tonge Moor Rd/Thicketford Rd	372796	410561	Bolton	03-Apr-06	1.33	1.00	0	0	0	0	0	0	0.00	0.00	365	366	365

List of Converted Puffin Sites with Associated Reported Accident Data Sorted by Conversion Date

Site No.	Road Names	Easting	Northing	Authority	Conversion Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
975	Hall St south E of Forbes Rd	390772	389873	Stockport	07-Apr-06	2.00	1.00	0	0	1	0	0	0	0.33	0.00	365	366	365
5 41	Yorkshire St E of Regent St	390217	413913	Rochdale	09-Apr-06	2.00	0.67	1	0	3	1	0	0	1.33	0.33	365	366	365
7 107	Gorton Rd N of Burnfield Rd	389591	395312	Stockport	25-Apr-06	0.67	0.00	1	0	1	0	0	0	0.67	0.00	365	366	365
7 78	Reddish Rd S of Brunton St	389728	392879	Stockport	28-Apr-06	1.00	0.00	0	0	0	0	0	0	0.00	0.00	365	366	365
974	Hall St SE of Webb Ln	390419	390089	Stockport	26-May-06	0.33	0.00	1	0	0	0	2	0	1.00	0.00	365	366	365
5 28	Halifax Rd W of Oakcliffe Rd	391557	415421	Rochdale	14-Jun-06	1.33	0.00	0	0	3	2	1	0	1.33	0.67	365	366	365
5 54	New Rd E of Arm Rd	392424	415868	Rochdale	15-Jun-06	0.33	0.00	0	0	1	1	0	0	0.33	0.33	365	366	365
4 52	Huddersfield Rd W of Heywood St	395008	405876	Oldham	15-Jun-06	0.00	0.00	0	0	0	0	1	0	0.33	0.00	365	366	365
239	Tonge Moor Rd NE of Union Rd	372793	410309	Bolton	25-Jun-06	1.67	0.33	1	1	1	0	0	0	0.67	0.33	365	366	365
1 32	Chorley Old Rd NW of Beatrice Rd	370370	409968	Bolton	28-Jun-06	1.00	0.00	0	0	1	0	0	0	0.33	0.00	365	366	365
9 8	School Rd W of Broad Rd	378902	392028	Trafford	12-Jul-06	0.67	0.33	2	2	0	0	2	1	1.33	1.00	365	366	365
1100	Oldham Rd E of Erwin St	387549	400606	Manchester	02-Aug-06	2.00	1.00	0	0	0	0	0	0	0.00	0.00	365	366	365
504	Chester Rd S of Taylors Rd	380285	395351	Trafford	04-Aug-06	1.33	0.67	1	0	1	0	2	0	1.33	0.00	365	366	365
200	Chorley New Rd W of Beverley Rd	370086	409410	Bolton	16-Aug-06	2.00	0.00	2	1	1	0	3	0	2.00	0.33	365	366	365
5 81	Whitworth Rd N of Gale St	389433	415041	Rochdale	23-Aug-06	0.67	0.00	0	0	2	0	0	0	0.67	0.00	365	366	365
10/14	Wigan Rd S of Angus Ave	364613	400996	Wigan	23-Aug-06	2.00	0.00	0	0	0	0	0	0	0.00	0.00	365	366	365
768	Union St W of Oldham 6th Form College	392246	404733	Oldham	04-Sep-06	0.67	0.00	0	0	0	0	1	0	0.33	0.00	365	366	360
324	Washway Rd N of The Avenue	377630	390878	Trafford	08-Sep-06	0.67	0.67	1	0	0	0	1	0	0.67	0.00	365	366	356
997	Gorton Rd S of Luton Rd	389494	393546	Stockport	10-Sep-06	0.67	0.33	0	0	0	0	0	0	0.00	0.00	365	366	354
8 94	Oldham Rd W of Taunton Rd	393203	400322	Tameside	13-Sep-06	0.67	0.33	0	0	0	0	0	0	0.00	0.00	365	366	351
8/10	Oldham Rd N of Store St	393149	400506	Tameside	27-Sep-06	1.33	0.33	0	0	1	1	0	0	0.34	0.34	365	366	337
8/74	Arundel St N of Waterton Ln	396964	402417	Tameside	20-Nov-06	0.33	0.00	1	1	1	0	0	0	0.72	0.36	365	366	283
920	London Rd S of Grundey St	392184	386913	Stockport	05-Dec-06	1.00	0.00	6	1	2	1	2	0	3.65	0.73	365	366	268
316	London Rd S of Chapel St	392065	386978	Stockport	11-Dec-06	1.33	0.33	0	0	0	0	0	0	0.00	0.00	365	366	262
364	Droylsden Rd/Lumb Ln (ex 8/86)	391328	397977	Tameside	21-Dec-06	0.67	0.33	0	0	0	0	0	0	0.00	0.00	365	366	252
1232	Hyde Rd W of Clowes St	386466	396712	Manchester	06-Feb-07	5.00	1.33	2	0	1	0	0	0	1.17	0.00	365	366	205
7/60	Reddish Rd S of Greg St (Southern end)	389693	391761	Stockport	07-Feb-07	1.00	0.67	0	0	1	1	0	0	0.39	0.39	365	366	204
1/27	Moss Bank Way S of Tattersall Ave	368489	410682	Bolton	19-Apr-07	1.00	0.33	0	0	1	0	0	0	0.42	0.00	366	365	133

List of Converted Puffin Sites with Associated Reported Accident Data Sorted by Conversion Date

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						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
2/21	Bolton St E of Bury Bolton St Station Entra	380287	410815	Bury	21-Jun-07	0.67	0.33	0	0	0	0	0	0	0.00	0.00	366	365	70
7/175	Station Rd S of Monmouth Rd	387693	386401	Stockport	22-Jun-07	0.33	0.00	0	0	1	0	0	0	0.46	0.00	366	365	69
10/65	Warrington Rd N of Tyrer Ave	356727	404447	Wigan	03-Jul-07	0.00	0.00	2	1	0	0	1	0	1.39	0.46	366	365	58
7/173	Station Rd N of Warren Rd (ex 964)	387471	386728	Stockport	06-Jul-07	0.67	0.00	1	0	0	0	0	0	0.46	0.00	366	365	55
7/174	Station Rd N of Mellor Rd (ex 967)	387559	386573	Stockport	10-Jul-07	0.33	0.00	2	1	0	0	0	0	0.93	0.47	366	365	51
7/96	Station Rd N of Hazel Rd	387952	386180	Stockport	13-Jul-07	0.00	0.00	0	0	0	0	1	0	0.47	0.00	366	365	48
7/38	Compstall Rd E of Oakwood Rd	394346	390807	Stockport	20-Jul-07	0.67	0.00	0	0	0	0	0	0	0.00	0.00	366	365	41
323	Washway Rd S of The Dr	377164	390221	Trafford	26-Jul-07	2.33	0.67	3	1	1	0	0	0	1.91	0.48	366	365	35
289	Bury Rd W of Garstang Ave	374587	409427	Bolton	23-Sep-07	0.00	0.00	1	1	1	1			1.03	1.03	366	341	0
1412	Wilmslow Rd N of Furness Rd	385585	394134	Manchester	22-Oct-07	1.33	0.33	1	1	0	0			0.54	0.54	366	312	0
1/131	Wigan Rd E of Grange Rd	369625	408133	Bolton	02-Nov-07	0.33	0.00	0	0	1	0			0.55	0.00	366	301	0
2112	Wigan Rd E of Abbott St (ex 10/187	361349	404511	Wigan	02-Nov-07	1.00	0.33	0	0	0	0			0.00	0.00	366	301	0
862	Leicester Rd N of Wellington St	383273	401234	Salford	13-Nov-07	1.33	1.00	0	0	0	0			0.00	0.00	366	290	0
2105	Market St N of Mill St (ex 10/056)	361811	404500	Wigan	13-Dec-07	0.33	0.00	0	0	0	0			0.00	0.00	366	260	0
7/67	Longford Rd West W of Ruskin Rd	389119	394314	Stockport	14-Dec-07	2.00	0.33	0	0	1	0			0.58	0.00	366	259	0
699	Long Causeway W of Alexandra St	373925	405349	Bolton	19-Dec-07	0.00	0.00	0	0	0	0			0.00	0.00	366	254	0
7/59	Reddish Rd N of Broadstone Hall Rd S	389793	392587	Stockport	11-Jan-08	1.00	0.67	0	0	0	0			0.00	0.00	366	231	0
1122	Quay St W of Byrom St	383356	398033	Manchester	18-Jan-08	2.33	0.67	0	0	1	0			0.62	0.00	366	224	0
962	Hyde Rd N of Mill Ln	393390	392078	Stockport	22-Jan-08	0.00	0.00	0	0	0	0			0.00	0.00	366	220	0
7/46	Higher Bents Ln N of Harrytown	393074	391062	Stockport	20-Feb-08	0.00	0.00	1	0	0	0			0.66	0.00	366	191	0
2/24	Bolton Rd S of Stephen St	379206	410484	Bury	22-Feb-08	0.00	0.00	1	0	0	0			0.66	0.00	366	189	0
252	Blackburn Rd S of Draycott St	371573	410641	Bolton	24-Feb-08	2.00	0.67	0	0	1	0			0.66	0.00	366	187	0
820	Gt Clowes St S of Clarence St	382892	399760	Salford	07-Mar-08	0.00	0.00	0	0	0	0			0.00	0.00	365	176	0
1110	Bury New Rd S of Fairy Ln	383286	400082	Manchester	27-Jun-08	1.00	0.00	0	0	0	0			0.00	0.00	365	64	0
10/162	Warrington Rd S of Marus Bridge	356833	402949	Wigan	27-Jun-08	0.00	0.00	0	0	0	0			0.00	0.00	365	64	0
Total						195.19	62.62	162.00	59.00	154.00	45.00	138.00	36.00	155.85	47.77			

Not Complete Years Data

No Data

List of New Puffin Sites with Associated Reported Accident Data Sorted by Installation Date

Site No.	Road Names	Easting	Northing	Authority	Installation Date	Before (Rate/Year)		Afrte 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
7/134	Edgeley Rd W of Bordon Rd	387744	389172	Stockport	16-May-97	2.00	0.33	0	0	1	0	2	0	1.00	0.00	365	365	366
7/133	Edgeley Rd W of Huntley Rd	387434	389273	Stockport	18-Jun-97	0.33	0.33	0	0	0	0	0	0	0.00	0.00	365	365	366
7/135	Broadway E of Kingsway	385209	387883	Stockport	17-Sep-97	0.33	0.33	0	0	0	0	0	0	0.00	0.00	365	365	366
851	Eccles Old Rd W of Manor Rd	379727	399577	Salford	12-Jan-99	1.00	0.00	0	0	0	0	0	0	0.00	0.00	365	366	365
840	Eccles Old Rd E of Park Rd	378405	399187	Salford	28-Feb-99	3.33	0.33	0	0	0	0	5	2	1.67	0.67	366	365	365
1009	Stretford Rd E of St Philips Primary School	383928	396883	Manchester	17-Jan-00	0.67	0.67	0	0	0	0	0	0	0.00	0.00	366	365	365
794	Regent Rd W of St Mary's Rd	377967	398563	Salford	13-Mar-00	1.00	0.33	1	0	0	0	0	0	0.33	0.00	365	365	365
2/074	Rochdale Old Rd W of Second Ave	382688	411562	Bury	14-Mar-00	0.33	0.33	1	1	0	0	0	0	0.33	0.33	365	365	365
943	Wellington Rd North S of Weybrook Rd	387938	393023	Stockport	04-Apr-00	0.00	0.00	1	0	1	0	0	0	0.67	0.00	365	365	365
1/108	Lee Lm E of Jones Rd	363753	411764	Bolton	20-Apr-00	0.00	0.00	0	0	0	0	2	0	0.67	0.00	365	365	365
977	Wood Rd E of Hardman Rd	388885	390035	Stockport	18-Jul-00	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
358	Oldham Rd N of Stamford St	393637	398846	Tameside	08-Aug-00	1.00	0.67	1	1	2	0	1	0	1.33	0.33	365	365	365
946	Wellington Rd NW of Laurel Rd	389029	390583	Stockport	15-Aug-00	2.00	0.67	0	0	0	0	1	0	0.33	0.00	365	365	365
5/120	Hollins Lm N of Langley Lm	386532	407585	Rochdale	04-Sep-00	2.00	1.33	0	0	0	0	1	0	0.33	0.00	365	365	365
10/197	Wigan Lm E of Royal Albert Hospital	358468	406942	Wigan	11-Oct-00	0.67	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
6/077	Bentcliffe Way S of Morrisons	377864	398423	Salford	15-Nov-00	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
1030	Victoria St W of Fennel St	383848	398807	Manchester	22-Nov-00	2.66	0.67	2	0	1	0	1	0	1.33	0.00	365	365	365
357	Ashton Rd S of Mayfield St	392292	396306	Tameside	11-Dec-00	0.33	0.33	0	0	0	0	0	0	0.00	0.00	365	365	365
3/134	Hollinwood Ave W of Owler Lm	388878	402992	Manchester	12-Dec-00	2.00	0.67	2	1	2	2	1	0	1.67	1.00	365	365	365
5/121	Factory Rd E of Burton Rd	386819	405877	Rochdale	14-Dec-00	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
7/152	Bramhall Moor Rd N of Grenville Rd	391457	387350	Stockport	20-Dec-00	0.33	0.00	0	0	2	1	1	0	1.00	0.33	365	365	365
10/196	Chapel St W of Astley St	366849	399666	Wigan	20-Dec-00	0.33	0.00	1	0	1	0	0	0	0.67	0.00	365	365	365
10/186	Warrington Rd N of Park View	357739	398618	Wigan	12-Jan-01	1.00	0.00	0	0	0	0	1	1	0.33	0.33	365	365	365
7/151	Gorton Rd S of Westbourne Grove	389526	393707	Stockport	17-Jan-01	1.00	0.67	2	0	0	0	0	0	0.67	0.00	365	365	365
9/054	Stockport Rd E of Wellington Rd	378048	388371	Trafford	16-Feb-01	0.33	0.00	0	0	1	0	0	0	0.33	0.00	365	365	365
1/100	Derby St SW of Vickers St	371004	408237	Bolton	23-Mar-01	0.67	0.00	1	0	1	0	1	0	1.00	0.00	365	365	366
8/082	Ashton Rd S of Tame St	392416	395903	Tameside	26-Mar-01	1.33	0.33	0	0	3	1	0	0	1.00	0.33	365	365	366
397	Cavendish St S of Newman St	393435	399118	Tameside	28-Mar-01	1.67	0.33	0	0	0	0	1	0	0.33	0.00	365	365	366

List of New Puffin Sites with Associated Reported Accident Data Sorted by Installation Date																		
Site No.	Road Names	Easting	Northing	Authority	Installation Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
1/101	Derby St SW of Goldsmith St	370675	407872	Bolton	29-Mar-01	2.00	0.00	0	0	1	1	1	0	0.67	0.33	365	365	366
5/124	Oldham Rd N of Elbow Ln	390042	413011	Rochdale	19-Apr-01	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
8/104	Huddersfield Rd E of Richmond St	397088	398742	Tameside	23-Apr-01	0.33	0.33	0	0	0	0	0	0	0.00	0.00	365	365	366
3/137	Portway W of Robinswood Rd	382580	386405	Manchester	03-May-01	0.67	0.33	0	0	1	1	1	0	0.67	0.33	365	365	366
3/138	Great Western St W of Ossory St	384744	395517	Manchester	24-May-01	1.33	0.33	2	0	0	0	3	1	1.67	0.33	365	365	366
10/198	Orrell Rd W of Bradshaw St	354411	404737	Wigan	13-Jul-01	1.33	0.33	0	0	0	0	1	0	0.33	0.00	365	365	366
7/153	Gillbent Rd S of Newlands Ave	387303	385156	Stockport	31-Jul-01	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
519	Bury New Rd (South of Victoria Ln)	380791	405404	Bury	30-Aug-01	3.00	1.00	1	0	1	0	4	3	2.00	1.00	365	365	366
2/101	Ainsworth Rd N of Cemetery Rd	377856	407993	Bury	30-Aug-01	1.33	0.67	1	1	0	0	0	0	0.33	0.33	365	365	366
1/113	Mansell Way N of Tesco Roundabout	364747	409982	Bolton	01-Oct-01	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
184	Cheetham Hill Rd S of Smedley Ln	384463	400868	Manchester	15-Oct-01	4.66	1.67	5	3	1	1	6	1	4.00	1.67	365	365	366
7/154	Sandy Ln N of Bankfield St	389491	391516	Stockport	02-Nov-01	0.67	0.00	0	0	3	1	0	0	1.00	0.33	365	365	366
5/101	York St E of Hartley St	385786	410784	Rochdale	20-Nov-01	0.33	0.00	2	0	1	0	0	0	1.00	0.00	365	365	366
10/202	Broad O'th Lm near Church Lm	354199	408659	Wigan	20-Nov-01	0.33	0.33	0	0	0	0	0	0	0.00	0.00	365	365	366
5/088	Bury St W of Albert St	384579	410749	Rochdale	30-Nov-01	1.00	0.33	0	0	1	0	2	0	1.00	0.00	365	365	366
185	Stretford Rd E of Dearden St	383362	396702	Manchester	04-Dec-01	0.33	0.00	0	0	0	0	1	0	0.33	0.00	365	365	366
5/071	Bury New Rd W of Higher Lomax Ln	384128	410796	Rochdale	18-Dec-01	1.67	0.33	2	0	1	1	1	0	1.33	0.33	365	365	366
547	Pilkington Way S of Sion St	378420	406868	Bury	21-Jan-02	0.33	0.33	0	0	0	0	3	0	1.00	0.00	365	365	366
1056	Ashton New Rd W of Alan Turning Way	386869	398346	Manchester	13-Mar-02	0.00	0.00	0	0	1	0	0	0	0.33	0.00	365	366	365
1/114	Market St E of Bridge St	375543	405536	Bolton	27-Mar-02	0.33	0.00	3	2	1	1	0	0	1.33	1.00	365	366	365
394	Manchester Rd E of Bowden St	392420	395495	Tameside	05-Apr-02	2.00	1.33	3	3	5	3	1	0	3.00	2.00	365	366	365
7/157	Adswood Rd E of Siddington Ave	388922	388463	Stockport	19-Apr-02	0.33	0.33	3	0	1	1	0	0	1.33	0.33	365	366	365
1055	Ashton New Rd E of Rowsley St	386723	398351	Manchester	24-Apr-02	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	366	365
7/164	Macclesfield Rd S of Haddon Rd	392572	385991	Stockport	31-May-02	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	366	365
10/204	Manchester Rd NE of Ennerdale Rd	367239	399884	Wigan	11-Jun-02	0.67	0.33	1	0	0	0	1	0	0.67	0.00	365	366	365
10/205	Manchester Rd E of Hall House Ln	367629	399848	Wigan	11-Jun-02	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	366	365
3/141	Wilbraham Rd W of St Werburghs Rd	382325	394038	Manchester	01-Jul-02	3.66	0.33	1	0	3	0	2	0	2.00	0.00	365	366	365
986	London Rd S of Vernon St	391732	387376	Stockport	10-Jul-02	2.33	0.67	4	1	0	0	2	0	2.00	0.33	365	366	365

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						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
176	Wilbraham Rd E of Spring Bridge Rd	383651	394072	Manchester	03-Sep-02	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	366	365
5/129	Newhey Rd S of Charles Ln	393005	412349	Rochdale	09-Sep-02	0.33	0.00	0	0	1	1	0	0	0.33	0.33	365	366	365
10/210	Wigan Lower Rd N of Woodhouse Dr	355994	407265	Wigan	09-Sep-02	0.33	0.33	0	0	1	1	0	0	0.33	0.33	365	366	365
2/100	Manchester Rd S of Wellington Rd	380255	409834	Bury	20-Sep-02	0.67	0.00	3	0	1	1	0	0	1.33	0.33	365	366	365
10/201	Manchester Rd SE of Pickup St	360087	405313	Wigan	23-Oct-02	1.67	0.67	2	0	1	1	1	1	1.33	0.67	365	366	365
994	Greek St S of Blackshaw St	389446	389725	Stockport	25-Oct-02	1.67	1.00	2	0	2	0	0	0	1.33	0.00	365	366	365
10/209	Billinge Rd W of St Matthews Cl	355432	403827	Wigan	16-Dec-02	0.67	0.33	0	0	0	0	0	0	0.00	0.00	365	366	365
10/215	Mealhouse Lm W of Smith Street	367283	403186	Wigan	24-Dec-02	0.00	0.00	0	0	0	0	1	0	0.33	0.00	365	366	365
10/216	Mealhouse Lm W of Bag Lm	367154	403170	Wigan	24-Dec-02	1.00	0.67	0	0	0	0	0	0	0.00	0.00	365	366	365
3/148	Moston Ln W of Dalbeattie St	386130	401899	Manchester	16-Jan-03	0.00	0.00	1	0	0	0	0	0	0.33	0.00	365	366	365
10/203	Schofield Ln W of Catherine St	359091	405656	Wigan	16-Jan-03	0.33	0.00	1	0	2	1	1	1	1.33	0.67	365	366	365
9/055	Barton Dock Rd N of Traders Ave	377115	396796	Trafford	18-Jan-03	2.33	0.33	1	0	0	0	0	0	0.33	0.00	365	366	365
3/143	Ogden Ln E of Lees St	388974	397181	Manchester	11-Mar-03	4.00	0.00	1	0	5	0	2	0	2.66	0.00	366	365	365
7/163	Broadstone Rd N of Broadstone Hall Rd S	388862	392743	Stockport	19-Mar-03	1.00	0.33	0	0	1	0	0	0	0.33	0.00	366	365	365
10/213	Wesleigh Lm S of Sovereign Fold Rd	365042	402028	Wigan	26-Mar-03	0.00	0.00	0	0	1	0	0	0	0.33	0.00	366	365	365
10/214	Wesleigh Lm N of Isherwood St	365229	401590	Wigan	26-Mar-03	1.00	1.00	1	0	0	0	0	0	0.33	0.00	366	365	365
7/158	Millgate S of Corporation St	389832	390540	Stockport	27-Mar-03	0.00	0.00	0	0	1	1	1	0	0.67	0.33	366	365	365
7/162	Councillor Lm W of Evesham Rd	387542	387946	Stockport	08-Apr-03	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	365	365
8/110	Mottram Old Rd E of Spring Ave	396038	393816	Tameside	15-Apr-03	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	365	365
9/058	Springfield Rd S of School Rd	378757	391958	Trafford	22-Apr-03	0.33	0.00	0	0	0	0	0	0	0.00	0.00	366	365	365
2/075	Bolton Rd W of Canute St	377411	407405	Bury	06-May-03	0.33	0.33	1	1	2	0	1	0	1.33	0.33	366	365	365
5/131	Entwistle Rd W of Hovingham St	390532	413683	Rochdale	13-May-03	0.67	0.33	0	0	0	0	0	0	0.00	0.00	366	365	365
9	Birchfields Rd S of Thoresway Rd	386131	395101	Manchester	16-May-03	0.33	0.00	2	0	1	0	0	0	1.00	0.00	366	365	365
7/159	Belmont Way S of Short St	389045	391034	Stockport	20-May-03	0.33	0.33	0	0	1	0	0	0	0.33	0.00	366	365	365
7/161	Brinnington Rd S of Truro Ave	391200	392039	Stockport	05-Jun-03	1.33	0.67	0	0	0	0	0	0	0.00	0.00	366	365	365
3/147	Ashton Old Rd E Burman St	389832	397343	Manchester	11-Jun-03	1.33	1.33	0	0	1	0	0	0	0.33	0.00	366	365	365
5/130	Manchester Rd E of Chapel St	385263	405279	Rochdale	11-Jun-03	0.67	0.00	0	0	0	0	1	1	0.33	0.33	366	365	365
439	Edge Ln W of Norwood Rd	380205	394276	Trafford	11-Jun-03	0.33	0.33	0	0	0	0	0	0	0.00	0.00	366	365	365

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						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
591	Wellington Rd South S of Ratcliffe St	389581	389723	Stockport	16-Jun-03	0.33	0.00	2	2	0	0	3	1	1.67	1.00	366	365	365
592	Wellington Rd South N of Brentnall St	389666	389510	Stockport	16-Jun-03	0.67	0.00	0	0	1	0	0	0	0.33	0.00	366	365	365
7/166	Mercian Way E of Caroline St	389008	389347	Stockport	17-Jun-03	1.33	0.67	1	0	1	1	0	0	0.67	0.33	366	365	365
4/088	Ripponden Rd W of Herbert St	394459	406249	Oldham	18-Jun-03	1.00	0.67	1	0	2	1	0	0	1.00	0.33	366	365	365
10/212	Robin Park Rd E of Loire Dr	356885	405240	Wigan	19-Jun-03	0.00	0.00	0	0	2	2	1	0	1.00	0.67	366	365	365
596	Wellington Rd Sth N Of Daisy St	389837	389213	Stockport	16-Jul-03	0.67	0.00	0	0	0	0	0	0	0.00	0.00	366	365	365
3/145	Hall Lm N of Royal Oak Rd	381629	389156	Manchester	18-Jul-03	1.33	0.00	1	0	2	0	2	0	1.67	0.00	366	365	365
3/150	High Ln E of St. Clement's Rd	381352	393822	Manchester	21-Jul-03	1.00	0.00	0	0	3	0	0	0	1.00	0.00	366	365	365
7/169	Shaw Heath S of Bengal St	389236	389658	Stockport	22-Aug-03	1.67	0.67	0	0	1	1	0	0	0.33	0.33	366	365	365
1098	Princess Rd N of Cavendish Rd	383570	392885	Manchester	01-Sep-03	0.67	0.33	0	0	0	0	0	0	0.00	0.00	366	365	365
317	London Rd SE of Hope St	391946	387077	Stockport	03-Sep-03	3.33	1.00	3	2	0	0	4	2	2.33	1.33	366	365	365
7/168	Buxton Rd W of Russell Avenue	395183	385290	Stockport	19-Sep-03	0.33	0.33	2	1	0	0	0	0	0.67	0.33	366	365	365
522	Bury New Rd S of Kingswood Rd	381118	404212	Bury	02-Oct-03	1.00	0.33	1	0	2	1	1	0	1.33	0.33	366	365	365
536	Bury New Rd N of Poppythorne Ln	381173	404082	Bury	02-Oct-03	2.33	2.00	3	2	1	1	1	1	1.67	1.33	366	365	365
7/167	Stockport Rd East W of Weybourne Dr	392722	391854	Stockport	13-Oct-03	0.67	0.00	1	0	1	0	0	0	0.67	0.00	366	365	365
673	Bury New Rd S of Sherbourne St	381222	403990	Bury	14-Oct-03	0.67	0.33	2	0	2	0	2	1	2.00	0.33	366	365	365
10/217	Ladies Ln N of Ward St	361936	405144	Wigan	20-Oct-03	0.67	0.33	0	0	0	0	0	0	0.00	0.00	366	365	365
5/128	Edinburgh Way NW of Queensway	389228	411419	Rochdale	10-Dec-03	0.33	0.00	2	0	1	0	1	0	1.33	0.00	366	365	365
369	Lord Sheldon Way W of Portland St	393111	399308	Tameside	11-Dec-03	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	365	365
5 133	Oldham Rd S of Gordon St	390374	412074	Rochdale	09-Mar-04	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
1 117	Chorley Old Rd SE of Marsh Fold Lm	370471	409881	Bolton	11-Mar-04	2.33	0.67	3	1	0	0	1	1	1.33	0.67	365	365	365
8 105	Oxford Rd E of Lodge Lm	394885	397768	Tameside	28-Apr-04	0.67	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
8 114	Oldham Rd N of Wellington Clough	393098	400760	Tameside	21-May-04	0.67	0.33	1	0	0	0	0	0	0.33	0.00	365	365	365
3 06	Briscoe Lm W of Mitchell Rd	388028	400212	Manchester	02-Jun-04	0.67	0.33	0	0	0	0	1	0	0.33	0.00	365	365	365
6 82	High St W of Bolton Rd	373544	403117	Salford	22-Jul-04	0.00	0.00	0	0	2	2	2	1	1.33	1.00	365	365	365
7 03	Garners Lm W of Rostherne Rd	389067	388107	Stockport	01-Sep-04	0.33	0.00	0	0	1	0	1	0	0.67	0.00	365	365	365

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						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
5 9	Manchester Rd N of Magdala St	386184	409748	Rochdale	16-Sep-04	1.33	0.33	0	0	2	0	0	0	0.67	0.00	365	365	365
3 7	Moston Lm E of Clough Rd	386566	401891	Manchester	01-Oct-04	2.00	0.67	1	0	0	0	2	1	1.00	0.33	365	365	365
3 12	Moston Lm E of Hough Hall Rd	386733	401913	Manchester	01-Oct-04	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
3 10	Moston Lm W of Gill St	386654	401922	Manchester	14-Oct-04	1.33	0.67	0	0	1	1	1	0	0.67	0.33	365	365	365
5 11	Manchester Rd N of Isherwood St	386175	410105	Rochdale	18-Oct-04	0.33	0.00	0	0	1	0	1	0	0.67	0.00	365	365	365
939	Gt Portwood St NE of Lancaster St	390135	390942	Stockport	25-Oct-04	0.00	0.00	2	0	1	0	0	0	1.00	0.00	365	365	365
5 7	Rochdale Rd W of West St	391855	413255	Rochdale	08-Nov-04	1.00	0.67	1	1	0	0	0	0	0.33	0.33	365	365	365
5 12	Drake St W of Broadfield Stile	389463	412833	Rochdale	08-Nov-04	0.67	0.00	0	0	1	0	1	0	0.67	0.00	365	365	365
97	Piccadilly N of Paton St	384586	398163	Manchester	12-Nov-04	1.00	0.67	1	1	0	0	0	0	0.33	0.33	365	365	365
594	Tiviot Way N of Water St	389987	391365	Stockport	23-Nov-04	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
2/70	Rochdale Rd S of Beech St	381711	410672	Bury	24-Nov-04	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
3 16	Queens Rd E of Bunyard St	384971	400586	Manchester	26-Nov-04	1.00	0.33	0	0	1	0	0	0	0.33	0.00	365	365	365
3 17	Queens Rd W of Appleford Dr	384661	400480	Manchester	26-Nov-04	1.00	0.33	1	0	0	0	0	0	0.33	0.00	365	365	365
3/19	Delauney's Rd E of Parkhill Ave	384714	402498	Manchester	29-Nov-04	0.67	0.00	3	2	1	1	0	0	1.33	1.00	365	365	365
1400	Wilmslow Rd N of Marriot St	384904	392834	Manchester	02-Dec-04	0.67	0.67	1	0	1	0	0	0	0.67	0.00	365	365	365
10 10	Whelley Rd N of Plantation Gates	359468	406706	Wigan	21-Dec-04	0.67	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
10 7	Moorside S of Oakfield Crescent	361372	408251	Wigan	21-Jan-05	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
2 1	Heywood St S of Shepherd St	381027	410327	Bury	11-Feb-05	1.33	0.33	1	0	0	0	0	0	0.33	0.00	365	365	365
1 21	Belmont Rd SE of High View St	371052	412444	Bolton	17-Feb-05	0.00	0.00	0	0	1	1	0	0	0.33	0.33	365	365	365
3 116	North Rd W of Clayton St	387969	398637	Manchester	24-Feb-05	2.00	0.67	0	0	0	0	1	1	0.33	0.33	365	365	365
1 15	Church St S of Glebe St	365405	406320	Bolton	29-Mar-05	1.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
190	Barlow Moor Rd S of Beech Rd	381910	393336	Manchester	05-Apr-05	1.00	0.00	1	0	1	1	0	0	0.67	0.33	365	365	366
7 15	Styal Rd S of Church Rd	384062	388181	Stockport	06-Apr-05	0.67	0.33	1	0	0	0	0	0	0.33	0.00	365	365	366
3/59	Sharston Rd S of Leestone Rd	383004	388956	Manchester	18-Apr-05	2.00	0.00	1	0	0	0	4	0	1.67	0.00	365	365	366
3 55	Nell Ln E of Arley Ave	383871	392149	Manchester	27-Apr-05	0.00	0.00	0	0	1	0	0	0	0.33	0.00	365	365	366
3 56	Burton Rd S of Nell Ln	383869	392090	Manchester	27-Apr-05	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
1077	Barlow Moor Rd N of Nicholas Rd	381606	394173	Manchester	28-Apr-05	1.00	0.00	0	0	1	1	0	0	0.33	0.33	365	365	366

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						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
216	College Way east of Whowell Rd	371102	408569	Bolton	12-May-05	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
8 4	Stockport Rd E of Cemetery Rd	392628	394350	Tameside	01-Jun-05	1.00	0.00	0	0	1	0	0	0	0.33	0.00	365	365	366
9 17	Hale Rd W of Broomfield Ln	377429	387086	Trafford	17-Jun-05	1.00	0.00	0	0	0	0	1	0	0.33	0.00	365	365	366
7 9	Stockport Rd E of Swythamley Rd	387438	389496	Stockport	21-Jun-05	0.67	0.00	0	0	1	0	2	0	1.00	0.00	365	365	366
893	Buxton Rd E of Bonis Crescent	391350	387766	Stockport	22-Jun-05	0.67	0.33	1	0	1	0	0	0	0.67	0.00	365	365	366
10 10	Wigan Rd S of Norbury St	359468	406706	Wigan	23-Jun-05	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
3 149	Slack Rd N of Brakenlea Dr	385575	402700	Manchester	08-Jul-05	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
3 40	Northmoor Rd N of Elgar St	387265	395518	Manchester	12-Jul-05	1.33	0.33	0	0	1	0	0	0	0.33	0.00	365	365	366
4 21	Hollins Rd W of Mill Gate	391647	402887	Oldham	21-Jul-05	0.33	0.00	1	0	1	1	0	0	0.67	0.33	365	365	366
5 25	Manchester Old Rd E of Cheetham St	386500	405656	Rochdale	17-Aug-05	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
3 78	Moss Ln E, W of Playfair St	384675	395698	Manchester	13-Sep-05	1.00	0.33	0	0	1	0	0	0	0.33	0.00	365	365	366
8 3	Park Parade S of Grafton St	394533	398988	Tameside	15-Sep-05	0.00	0.00	0	0	1	0	0	0	0.33	0.00	365	365	366
3 62	Viaduct St S of Alderman Square	386128	397913	Manchester	21-Sep-05	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
3/48	Moseley Rd E of Belvedere Rd	386420	393928	Manchester	13-Oct-05	2.00	0.33	2	0	2	0	1	0	1.67	0.00	365	365	366
3 81	Corporation St at Exchange Sq	383978	398632	Manchester	14-Oct-05	0.67	0.67	0	0	0	0	0	0	0.00	0.00	365	365	366
1401	Hyde Rd E of Highfield Range	389777	395679	Manchester	19-Oct-05	1.00	0.00	2	0	1	1	0	0	1.00	0.33	365	365	366
10 12	St. John St N of Market St	367576	403112	Wigan	31-Oct-05	0.33	0.33	0	0	0	0	0	0	0.00	0.00	365	365	366
9 30	Flixton Rd E of Park Rd South	376517	394688	Trafford	21-Nov-05	0.33	0.33	0	0	0	0	1	1	0.33	0.33	365	365	366
6 78	Fairhills Rd E of Woodrow Way	372008	393787	Salford	22-Nov-05	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
715	Station Rd NW of Boundary Rd	377700	402076	Salford	13-Dec-05	0.67	0.33	1	0	0	0	0	0	0.33	0.00	365	365	366
1403	Kingsway N of Briarfield Rd	386196	392540	Manchester	18-Jan-06	0.67	0.00	1	0	0	0	0	0	0.33	0.00	365	365	366
237	Thicketford Rd E of Ainsworth Lm	372954	410368	Bolton	12-Apr-06	1.67	1.67	0	0	1	0	1	0	0.67	0.00	365	366	365
10/44	Lowton Rd E of Heywood Avenue	361048	398288	Wigan	25-Apr-06	1.33	1.00	2	1	0	0	0	0	0.67	0.33	365	366	365
991	Stockport Rd W of Union Rd	395672	388692	Stockport	02-May-06	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	366	365
7 9	Stockport Rd E of Swythamley Rd	387438	389496	Stockport	21-Jun-05	0.67	0.00	0	0	1	0	2	0	1.00	0.00	365	365	366
10/45	Slag Lm N, E of Crow Wood Rd	361841	398056	Wigan	03-May-06	1.00	0.00	2	0	1	0	2	0	1.67	0.00	365	366	365

List of New Puffin Sites with Associated Reported Accident Data Sorted by Installation Date																			
Site No.	Road Names	Easting	Northing	Authority	Installation Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in			
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr	
3/73	North Rd W of Canberra St	388262	398737	Manchester	11-May-06	0.67	0.00	2	0	1	1	1	0	1.33	0.33	365	366	365	
3/74	North Rd E of Folkestone Rd	388628	398800	Manchester	11-May-06	0.33	0.33	0	0	0	0	0	0	0.00	0.00	365	366	365	
6/32	Barton Lm SW of Oxford Rd	377392	398284	Salford	18-May-06	1.67	0.67	0	0	3	1	1	0	1.33	0.33	365	366	365	
260	Tonge Moor Rd NE of Union Rd	372661	410116	Bolton	25-Jun-06	1.33	0.33	1	0	0	0	1	0	0.67	0.00	365	366	365	
4/6	Egerton Rd W of Higginsshaw Rd	393087	405463	Oldham	04-Jul-06	1.33	0.00	0	0	0	0	0	0	0.00	0.00	365	366	365	
10 43	Wigan Rd E of Springfield Rd	361113	404628	Wigan	18-Jul-06	0.00	0.00	0	0	1	1	0	0	0.33	0.33	365	366	365	
1/39	Leigh Rd near Daisy Hill Station	365892	404866	Bolton	26-Jul-06	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	366	365	
6/36	Moorside N of Safflower Avenue	376629	401648	Salford	01-Sep-06	1.33	0.33	0	0	0	0	0	0	0.00	0.00	365	366	363	
1/41	Bradford Rd S of Woodgate Rd	372230	407296	Bolton	06-Sep-06	0.33	0.00	0	0	3	0	0	0	1.01	0.00	365	366	358	
9/57	Moorside Rd E of Bowers Ave	375545	395119	Trafford	15-Sep-06	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	366	349	
836	Broadstone Rd S of Lynmouth Ave	389321	393277	Stockport	03-Oct-06	1.00	0.33	0	0	0	0	1	1	0.34	0.34	365	366	331	
5/42	Falinge Rd N of Clarke's Ln	389015	414207	Rochdale	12-Oct-06	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	366	322	
10/219	Liverpool Rd S of Whistley St	360525	403041	Wigan	18-Oct-06	0.00	0.00	1	0	1	1	1	0	1.05	0.35	365	366	316	
1405	Wilmslow Rd S of Stenner Ln	384783	390433	Manchester	30-Nov-06	0.00	0.00	1	0	0	0	0	0	0.36	0.00	365	366	273	
9/59	Stockport Rd S of Osbourne Rd	377117	388196	Trafford	21-Dec-06	0.67	0.00	0	0	1	0	0	0	0.37	0.00	365	366	252	
9/63	Burton Rd E of Curzon Rd	378213	395415	Trafford	23-Feb-07	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	366	188	
847	Shaw Heath east of Flint Rd	389404	389440	Stockport	08-Mar-07	0.00	0.00	1	0	1	1	0	0	0.81	0.40	366	365	175	
9/62	Barton Rd E of Rowsley Rd	378404	395349	Trafford	27-Mar-07	0.33	0.33	1	0	0	0	0	0	0.41	0.00	366	365	156	
10/222	Wigan Rd N of Prince St	357242	400390	Wigan	29-Mar-07	1.00	0.67	0	0	0	0	1	0	0.41	0.00	366	365	154	
10/221	Poolstock Ln S of Rushdene	357425	403875	Wigan	12-Apr-07	0.33	0.00	1	0	0	0	0	0	0.42	0.00	366	365	140	
10/220	Wigan Rd N of Eva St	364506	401251	Wigan	10-May-07	0.67	0.00	1	1	0	0	0	0	0.43	0.43	366	365	112	
1/130	Long Ln N of Leacroft Ave	373947	408534	Bolton	01-Jun-07	0.33	0.00	0	0	0	0	0	0	0.00	0.00	366	365	90	
1606	Edinburgh Way S of Manchester Rd	388694	411806	Rochdale	27-Jun-07	1.00	0.67	0	0	2	1	0	0	0.92	0.46	366	365	64	
9/64	Flixton Rd E of Ambleside Rd	374574	394231	Trafford	29-Jun-07	1.00	0.33	0	0	2	0	0	0	0.92	0.00	366	365	62	
1510	Eastway S of Newtown Rd	393924	408862	Oldham	26-Jul-07	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	365	35	
7/17	Reddish Rd S of Birkdale Rd	389832	392136	Stockport	27-Jul-07	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	365	34	

List of New Puffin Sites with Associated Reported Accident Data Sorted by Installation Date

Site No.	Road Names	Easting	Northing	Authority	Installation Date	Before (Rate/Year)		Afrte 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
9/65	Barton Rd S of Melville Rd	378831	395068	Trafford	02-Oct-07	1.00	0.33	0	0	0	0	0	0	0.00	0.00	366	332	0
5 36	Sir Isaac Newton Way Pegasus	391807	411806	Rochdale	09-Oct-07	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	325	0
2106	Cross Rd E of Hamer Rd	361695	404430	Wigan	17-Oct-07	0.67	0.33	0	0	0	0	0	0	0.00	0.00	366	317	0
2109	Liverpool Rd N of Sunderland Rd	361488	404182	Wigan	17-Oct-07	0.33	0.33	1	1	1	1	0	0	1.07	1.07	366	317	0
9/66	Langham Rd W of Vale Rd	375938	386610	Trafford	19-Oct-07	0.67	0.00	0	0	0	0	0	0	0.00	0.00	366	315	0
467	Knowsley St S of Glenmore St	380205	410312	Bury	25-Nov-07	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	278	0
9/60	Edge Lm W of Cromwell Rd	380384	394265	Trafford	11-Dec-07	0.33	0.00	2	1	2	0	0	0	2.32	0.58	366	262	0
2107	Market Rd S of Cross Rd	361722	404409	Wigan	13-Dec-07	1.67	0.33	0	0	1	1	0	0	0.58	0.58	366	260	0
6/1	Monton Rd W of Stafford Rd	377138	399117	Salford	17-Jan-08	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	225	0
608	Edge Lm W of Bridgewater Canal Bridge	379810	394378	Trafford	13-Feb-08	1.00	0.67	0	0	0	0	0	0	0.00	0.00	366	198	0
370	Derby Way S of The Rock	380908	411093	Bury	19-Feb-08	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	192	0
371	Derby Way N of Rochdale Rd	380970	411012	Bury	19-Feb-08	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	192	0
1 133	Hall Lm S of Fogg Lm	374073	406966	Bolton	01-Apr-08	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	151	0
7/180	Chester Rd N of Lyndhurst Ave	391858	386144	Stockport	01-May-08	0.67	0.00	0	0	0	0	0	0	0.00	0.00	365	121	0
Total						157.56	50.64	116.00	30.00	123.00	44.00	99.00	22.00	115.35	33.20			
Not Complete Years Data																		
No Data																		

List of Signalised Junctions with Modified Nearside Indicators with Associated Reported Accident Data Sorted by Modification Date																		
Site No.	Road Names	Easting	Northing	Authority	Modification Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
105	Newton St/Piccadilly/Portland St	384540	398250	Manchester	23-Jul-00	4.00	1.67	1	1	4	3	2	0	2.33	1.33	365	365	365
87	Charles St/Hulme St/Oxford Rd	384176	397418	Manchester	17-Jun-01	9.66	4.66	5	5	3	1	2	1	3.33	2.33	365	365	366
903	Wellington Rd South/Heaton Ln	389216	390392	Stockport	17-Nov-02	7.33	4.33	4	1	3	1	3	0	3.33	0.67	365	366	365
234	Trinity St/Black Horse St	371579	408696	Bolton	20-Mar-03	2.33	0.33	1	1	2	0	2	0	1.67	0.33	366	365	365
215	Trinity St/Derby St	371357	408648	Bolton	22-Mar-03	3.67	1.00	2	0	2	0	9	0	4.33	0.00	366	365	365
240	Trinity St/Thynne St	371788	408689	Bolton	23-Mar-03	6.00	1.00	3	1	1	0	2	1	2.00	0.67	366	365	365
906	Wellington Rd S/Longshut Ln	389723	389388	Stockport	06-Apr-03	4.33	0.00	4	0	1	0	2	1	2.33	0.33	366	365	365
7 165	Adswold Rd/Garners Ln (ex 7/141)	388823	387966	Stockport	12-May-03	1.33	0.67	0	0	2	0	0	0	0.67	0.00	366	365	365
116	Charles St/Princess St	384356	397519	Manchester	20-May-03	4.33	0.67	2	1	2	2	0	0	1.33	1.00	366	365	365
1201	Hunt's Bank/Victoria St	383857	398937	Manchester	10-Jun-03	0.67	0.33	1	0	0	0	0	0	0.33	0.00	366	365	365
1067	Didsbury Rd/Wilmslow Rd/The Towers Business	384999	390412	Manchester	15-Jun-03	0.67	0.00	0	0	0	0	3	0	1.00	0.00	366	365	365
8 113	Oldham Rd/Newmarket Rd (ex 524)	393234	400223	Tameside	27-Jun-03	1.67	0.33	2	1	1	0	2	0	1.67	0.33	366	365	365
49	Devonshire St/Devonshire St North/Hyde Rd	385777	396921	Manchester	29-Jun-03	4.67	0.33	4	1	7	0	4	1	5.00	0.67	366	365	365
917	King St West/Daw Bank	389032	390064	Stockport	06-Jul-03	0.67	0.00	0	0	2	0	2	0	1.33	0.00	366	365	365
1 13	Manchester Rd/Bolton Rd	366319	406573	Bolton	09-Jul-03	3.33	1.00	1	0	2	1	1	0	1.33	0.33	366	365	365
915	Buxton Rd/Nangreave Rd	390135	388807	Stockport	20-Jul-03	3.33	1.67	1	1	0	0	1	0	0.67	0.33	366	365	365
172	Brook St/Cloak St	384433	397359	Manchester	22-Aug-03	0.67	0.33	0	0	1	0	2	0	1.00	0.00	366	365	365
312	Wilmslow Rd/High St	385627	388561	Stockport	24-Aug-03	1.00	0.33	3	1	2	1	0	0	1.67	0.67	366	365	365
809	Chapel St/Blackfriars Rd	383539	398712	Salford	31-Aug-03	2.33	0.00	4	0	2	0	1	0	2.33	0.00	366	365	365
150	Chorlton St/Whitworth St	384535	397798	Manchester	07-Sep-03	0.67	0.00	2	0	0	0	0	0	0.67	0.00	366	365	365
206	Folds Rd/Bow St	371882	409509	Bolton	14-Sep-03	2.00	0.00	0	0	2	0	1	0	1.00	0.00	366	365	365
7 8	Buxton Rd/Windlehurst Rd	394915	385415	Stockport	14-Sep-03	1.00	0.00	0	0	1	0	2	0	1.00	0.00	366	365	365
825	Bury New Rd/Northumberland St	382753	401251	Salford	20-Sep-03	1.00	0.00	1	0	1	0	2	1	1.33	0.33	366	365	365
907	Wellington Rd South/Bramhall Ln	389935	389087	Stockport	19-Oct-03	4.33	0.67	0	0	3	0	2	0	1.67	0.00	366	365	365
609	Park Rd/Davyhulme Rd E	379074	395178	Trafford	26-Oct-03	2.00	0.00	3	0	1	0	2	0	2.00	0.00	366	365	365
208	Deansgate/Black Horse St	371394	409226	Bolton	09-Nov-03	0.33	0.33	1	0	0	0	0	0	0.33	0.00	366	365	365
228	Kay St/Higher Bridge St	371645	410098	Bolton	09-Nov-03	2.67	0.33	2	0	1	0	3	0	2.00	0.00	366	365	365

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						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
1130	New Market St/Parsons Walk (ex 10/28)	358089	405965	Wigan	13-Nov-03	2.33	1.33	3	2	3	3	3	2	3.00	2.33	366	365	365
493	M67 J1/Ashton Rd	392469	395666	Tameside	23-Nov-03	1.33	0.33	0	0	0	0	0	0	0.00	0.00	366	365	365
6 26	Liverpool Rd/Fairhills Rd	371850	393801	Salford	01-Dec-03	0.67	0.00	0	0	0	0	1	1	0.33	0.33	366	365	365
855	Frederick Rd/Lwr Broughton Rd	382342	399926	Salford	16-Dec-03	6.00	2.00	3	1	1	0	0	0	1.33	0.33	366	365	365
89	Grafton St/Oxford Rd	384810	396270	Manchester	20-Dec-03	3.33	1.67	3	2	5	2	2	1	3.33	1.67	366	365	365
469	Crostones Rd/Tottington Rd	379624	411141	Bury	25-Jan-04	3.00	0.33	2	0	0	0	0	0	0.67	0.00	366	365	365
1011	Grimshaw Ln/Monsall Rd/Oldham Rd	386623	400193	Manchester	01-Feb-04	2.33	0.67	6	1	7	0	2	1	5.00	0.67	366	365	365
839	Bury New Rd/Moor Ln	382256	402071	Salford	08-Feb-04	1.33	0.33	0	0	2	0	2	0	1.33	0.00	366	365	365
418	Chester Rd/Talbot Rd (Sale end)	380142	395094	Trafford	09-Feb-04	3.67	0.33	1	0	2	0	2	0	1.67	0.00	366	365	365
107	Portland St/Sackville St	384232	397955	Manchester	15-Feb-04	2.67	2.00	0	0	2	1	3	2	1.67	1.00	366	365	365
149	Portland St/York St	384340	398080	Manchester	24-Feb-04	3.00	2.00	0	0	1	0	2	0	1.00	0.00	366	365	365
1029	Gt Western St/Wilmslow Rd	385113	395529	Manchester	07-Mar-04	3.33	0.67	7	0	3	0	2	1	4.00	0.33	365	365	365
135	Gt Western St/Upper Lloyd St	384437	395521	Manchester	26-Mar-04	1.00	0.33	2	0	2	1	0	0	1.33	0.33	365	365	365
156	Moss Ln East/Oxford Rd/Wilmslow Rd	385035	395700	Manchester	28-Mar-04	3.66	0.67	2	1	3	0	3	0	2.67	0.33	365	365	365
6	Oxford Rd/Hathersage Rd	384978	395856	Manchester	08-Apr-04	3.33	1.00	2	2	4	0	5	0	3.67	0.67	365	365	365
103	Auburn St/Ducie St/London Rd/Piccadilly/Sta	384645	398051	Manchester	25-Apr-04	2.66	1.67	3	2	4	3	3	1	3.33	2.00	365	365	365
142	Dickenson Rd/Platt Ln/Wilmslow Rd	385339	395008	Manchester	09-May-04	4.66	0.33	2	0	4	2	4	1	3.33	1.00	365	365	365
1058	Claremont Rd/Lloyd St S/Upper Lloyd St	384345	395199	Manchester	09-May-04	3.66	1.00	0	0	2	1	0	0	0.67	0.33	365	365	365
38	Blackfriars St/Deansgate/St. Mary's Gate	383756	398551	Manchester	16-May-04	3.00	0.67	5	4	0	0	0	0	1.67	1.33	365	365	365
817	Blackfriars Rd/Silk St	382916	399246	Salford	20-May-04	3.00	0.00	1	0	0	0	0	0	0.33	0.00	365	365	365
203	St. George's Rd/Knowsley St	371563	409564	Bolton	21-May-04	0.67	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
1 28	Beaumont Rd/Junction Rd West	368127	408422	Bolton	27-May-04	1.00	0.00	0	0	0	0	1	0	0.33	0.00	365	365	365
101	Parrs Wood Rd/School Ln	385432	391024	Manchester	12-Jun-04	2.00	0.67	1	0	0	0	0	0	0.33	0.00	365	365	365
716	Ashton Rd/Hathershaw Ln	392755	403043	Oldham	20-Jun-04	0.33	0.33	0	0	1	1	2	1	1.00	0.67	365	365	365
233	Black Horse St/Ashburner St	371477	409000	Bolton	27-Jun-04	4.00	2.66	2	2	1	0	3	2	2.00	1.33	365	365	365
1 49	Crompton Way/Thicketford Rd	373234	410422	Bolton	27-Jun-04	3.33	0.67	1	0	3	0	1	1	1.67	0.33	365	365	365

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Site No.	Road Names	Easting	Northing	Authority	Modification Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
684	Oldham Rd/Ashton Rd W	389245	401294	Oldham	09-Jul-04	1.67	0.67	2	0	3	0	3	0	2.67	0.00	365	365	365
3 93	Monsall St/Queen's Rd	385797	400390	Manchester	14-Jul-04	4.33	1.00	3	0	7	1	1	0	3.67	0.33	365	365	365
1219	Devonshire St/Devonshire St S/Stockport	385675	396687	Manchester	16-Jul-04	5.66	0.00	5	0	7	1	1	0	4.33	0.33	365	365	365
605	Albert Rd/Glynne St	373382	406037	Bolton	18-Jul-04	3.00	0.00	2	2	0	0	0	0	0.67	0.67	365	365	365
570	Market St/Dowson Rd (ex 8/11)	395131	394474	Tameside	25-Aug-04	0.00	0.00	0	0	1	1	2	2	1.00	1.00	365	365	365
1 109	St. Helens Rd/Morris Green Ln (ex 223)	370025	407324	Bolton	05-Sep-04	1.67	1.00	4	2	2	2	1	1	2.33	1.67	365	365	365
301	Woodlands Rd/Church St	376794	388226	Trafford	26-Sep-04	2.00	0.00	1	0	5	0	1	0	2.33	0.00	365	365	365
25	Cheetham Hill Rd/Queen's Rd	384432	400405	Manchester	03-Oct-04	11.66	1.33	5	2	4	1	2	0	3.67	1.00	365	365	365
174	Altrincham Rd/Brookway Retail Park Access/T	380212	389382	Manchester	03-Oct-04	0.33	0.00	1	0	0	0	0	0	0.33	0.00	365	365	365
174	Altrincham Rd/Brookway Retail Park Access/T	380212	389382	Manchester	03-Oct-04	0.33	0.00	1	0	0	0	0	0	0.33	0.00	365	365	365
725	Rochdale Rd/Middleton Rd	392221	405033	Oldham	31-Oct-04	0.00	0.00	0	0	1	1	1	0	0.67	0.33	365	365	365
956	Carrington Rd/Brinnington Rd (ex 7/64)	390398	391045	Stockport	19-Nov-04	1.00	0.33	1	0	2	0	0	0	1.00	0.00	365	365	365
973	St. Mary's Way/Hall St (ex 7/03)	390174	390196	Stockport	28-Nov-04	3.00	0.33	4	0	9	0	0	0	4.33	0.00	365	365	365
7 99	Prince's St/Port St	389284	390446	Stockport	03-Dec-04	0.33	0.00	0	0	1	0	2	1	1.00	0.33	365	365	365
405	M60 J7 W/B off-slip/Chester Rd	379132	393376	Trafford	12-Dec-04	4.33	0.00	1	1	2	0	2	0	1.67	0.33	365	365	365
137	Elizabeth St/Waterloo Rd	383827	400562	Manchester	14-Dec-04	1.67	0.00	0	0	3	0	1	0	1.33	0.00	365	365	365
4 26	Hollins Rd/Limeside Rd	391157	402680	Oldham	13-Jan-05	1.00	0.67	2	1	2	1	0	0	1.33	0.67	365	365	365
24	Cheetham Hill Rd/Elizabeth St	384349	400115	Manchester	14-Jan-05	3.00	0.00	5	0	2	1	0	0	2.33	0.33	365	365	365
934	Shaw Heath/Longshut Ln W	389515	389322	Stockport	20-Jan-05	0.00	0.00	1	1	2	0	0	0	1.00	0.33	365	365	365
480	Broadway/Hollinwood Ave	389146	402866	Oldham	04-Feb-05	4.33	0.00	7	0	4	1	1	0	4.00	0.33	365	365	365
93	Oxford St/Whitworth St/Whitworth St W	384086	397578	Manchester	06-Mar-05	11.66	2.66	8	6	10	8	6	4	7.99	5.99	365	365	366
1245	Cross Ln/Garratt Way/Wellington St	388726	396252	Manchester	06-Mar-05	1.33	0.67	1	0	1	0	3	1	1.67	0.33	365	365	366
878	Gt Egerton St/Knightsbridge (ex 7/81)	389521	390775	Stockport	13-Mar-05	1.33	0.00	0	0	1	0	1	0	0.67	0.00	365	365	366
1000	Middleton Rd/Sheepfoot Ln	383755	403632	Manchester	22-Mar-05	4.33	0.00	4	0	4	0	3	0	3.66	0.00	365	365	366
3 67	Wilbraham Rd/Edge Ln (15)	380958	393994	Manchester	29-Mar-05	1.67	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
13	Barlow Moor Rd/High Ln	381839	393605	Manchester	03-Apr-05	2.66	0.00	5	0	1	0	2	1	2.66	0.33	365	365	366

List of Signalised Junctions with Modified Nearside Indicators with Associated Reported Accident Data Sorted by Modification Date																		
Site No.	Road Names	Easting	Northing	Authority	Modification Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
1155	Middleton Rd/Victoria Ave	383892	404074	Manchester	03-Apr-05	1.67	0.00	1	0	3	0	0	0	1.33	0.00	365	365	366
217	Gt Moor St/Newport St	371695	408940	Bolton	10-Apr-05	1.00	0.33	2	0	0	0	3	2	1.67	0.67	365	365	366
1 10	Blackrod Bypass/Station Rd	362381	410485	Bolton	12-Apr-05	4.33	0.33	5	0	2	0	2	0	3.00	0.00	365	365	366
14	Wilbraham Rd/Barlow Moor Rd	381685	394009	Manchester	24-Apr-05	5.99	1.67	2	0	5	0	3	3	3.33	1.00	365	365	366
148	Moseley Rd/Wilbraham Rd/Wilmslow Rd	385585	394003	Manchester	24-Apr-05	8.66	1.33	9	2	11	4	13	3	10.99	3.00	365	365	366
601	Barton Rd/Barton Ln	376574	397699	Salford	06-May-05	2.00	0.67	2	0	0	0	2	0	1.33	0.00	365	365	366
746	Bury Rd/Long Ln	374069	409434	Bolton	25-May-05	1.33	0.33	2	1	0	0	2	0	1.33	0.33	365	365	366
1 22	Beaumont Rd/Wigan Rd	368655	407382	Bolton	05-Jun-05	2.00	0.00	5	2	3	0	1	0	3.00	0.67	365	365	366
916	Shaw Heath/Lowfield Rd	389575	389117	Stockport	22-Jun-05	0.67	0.00	0	0	1	0	1	0	0.67	0.00	365	365	366
5 20	Rochdale Rd/Hollin Ln	387162	406826	Rochdale	29-Jun-05	2.33	0.33	2	1	1	1	1	0	1.33	0.67	365	365	366
225	Bury Rd/Crompton Way	373659	409421	Bolton	10-Jul-05	2.00	0.67	1	0	3	0	1	0	1.67	0.00	365	365	366
475	Angouleme Way/Market St	380541	410483	Bury	17-Jul-05	3.66	1.00	3	2	3	1	3	0	3.00	1.00	365	365	366
3 2	Altrincham Rd/Hall Ln	381655	389357	Manchester	21-Jul-05	2.00	0.33	5	0	1	0	2	0	2.66	0.00	365	365	366
314	London Rd/Buxton Rd	392543	386511	Stockport	24-Jul-05	1.33	0.33	1	0	3	1	0	0	1.33	0.33	365	365	366
224	Bury New Rd/Bradford St	372793	409305	Bolton	27-Jul-05	1.67	0.67	0	0	0	0	1	0	0.33	0.00	365	365	366
5 55	Middleton Way S of Middleton Bus Station	386771	405645	Rochdale	29-Jul-05	0.67	0.67	0	0	0	0	0	0	0.00	0.00	365	365	366
911	Manchester Rd N/Oldham St (ex 8/52)	391477	395531	Tameside	03-Aug-05	1.33	0.00	1	0	1	0	1	0	1.00	0.00	365	365	366
704	Huddersfield Rd/Cross St	393633	405279	Oldham	21-Aug-05	2.33	0.00	4	0	4	0	2	0	3.33	0.00	365	365	366
110	Hanover St/Shude Hill	384357	398790	Manchester	02-Sep-05	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366
826	Leicester Rd/Gt Cheetham St E	383298	400778	Salford	04-Sep-05	0.33	0.00	1	0	1	0	0	0	0.67	0.00	365	365	366
494	Manchester Rd/Hyde Rd	392544	395499	Tameside	04-Sep-05	3.33	0.33	4	0	3	1	2	0	3.00	0.33	365	365	366
162	Parrs Wood Road/Wilmslow Road	382133	392897	Manchester	16-Sep-05	3.66	1.67	1	0	3	2	2	0	2.00	0.67	365	365	366
33	Corporation Street/Withy Grove	384035	398743	Manchester	20-Sep-05	4.66	3.33	3	3	2	1	1	0	2.00	1.33	365	365	366
465	Bury New Rd/Higher Ln	380821	405278	Bury	02-Oct-05	4.33	1.33	3	0	3	2	2	0	2.66	0.67	365	365	366
712	Huddersfield Rd/Ripponden Rd	394194	405653	Oldham	23-Oct-05	2.66	1.67	3	2	0	0	7	1	3.33	1.00	365	365	366
308	Washway Rd/Ashton Ln	378479	392143	Trafford	13-Nov-05	1.00	0.33	0	0	1	1	2	2	1.00	1.00	365	365	366
9 11	Flixton Rd/Bowfell Rd	375242	394742	Trafford	24-Nov-05	0.33	0.00	1	0	0	0	3	0	1.33	0.00	365	365	366

List of Signalised Junctions with Modified Nearside Indicators with Associated Reported Accident Data Sorted by Modification Date

Site No.	Road Names	Easting	Northing	Authority	Modification Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
908	Buxton Rd/Kennerley Rd	390364	388466	Stockport	08-Dec-05	3.33	0.67	0	0	3	1	2	0	1.67	0.33	365	365	366
938	Bramhall Ln/Kennerley Rd	389945	388401	Stockport	11-Dec-05	0.67	0.00	0	0	0	0	1	0	0.33	0.00	365	365	366
169	Gt Ancoats St/Mancunian Way Extension/Pin M	385638	397741	Manchester	20-Jan-06	0.67	0.00	0	0	1	0	0	0	0.33	0.00	365	365	366
7 79	Manchester Rd/Whitehill St W	388910	391829	Stockport	25-Jan-06	1.00	0.33	0	0	1	1	0	0	0.33	0.33	365	365	366
1049	Dickenson Rd/Hamilton Rd/St. John's Rd	386691	395489	Manchester	02-Feb-06	3.33	0.67	0	0	1	0	1	1	0.67	0.33	365	365	366
1302	Manchester Rd/Dane St	389317	413134	Rochdale	05-Feb-06	1.00	0.00	4	0	2	0	1	0	2.33	0.00	365	365	366
47	Gt Ducie St/Trinity Way	383794	399107	Manchester	05-Feb-06	7.66	0.33	4	2	5	1	11	1	6.66	1.33	365	365	366
133	Hathersage Rd/Upper Brook St	385478	395850	Manchester	18-Feb-06	4.66	1.67	0	0	5	1	1	0	2.00	0.33	365	365	366
909	Manchester Rd/School Ln	388439	392424	Stockport	19-Feb-06	1.67	1.00	1	0	2	0	0	0	1.00	0.00	365	365	366
120	Rochdale Rd/Moston Ln/Factory Ln	385953	401929	Manchester	22-Feb-06	5.66	1.33	5	3	4	0	7	2	5.33	1.67	365	365	366
5 63	Halifax Rd/Birch Rd/Old Rd (1322)	391989	415639	Rochdale	02-Apr-06	2.00	0.67	1	1	1	0	2	2	1.33	1.00	365	366	365
3/103	Barlow Moor Rd/Palatine Rd	384002	391607	Manchester	24-May-06	4.00	1.00	2	0	1	0	2	0	1.67	0.00	365	366	365
5 64	Halifax Rd/Smithy Bridge Rd/Union Rd	392234	415759	Rochdale	25-May-06	2.33	0.00	1	1	1	1	1	0	1.00	0.67	365	366	365
5 2	Albert Royds St/Kingsway/Milnrow Rd	391543	413309	Rochdale	04-Jun-06	3.00	0.67	2	0	2	0	0	0	1.33	0.00	365	366	365
5 115	Kingsway/Merinall Close/Wallhead Rd	391443	413129	Rochdale	04-Jun-06	1.00	0.67	3	0	0	0	0	0	1.00	0.00	365	366	365
10 9	Manchester Rd/Ince Green Ln	359992	405377	Wigan	29-Jun-06	2.00	0.33	1	1	0	0	0	0	0.33	0.33	365	366	365
7 13	Chestergate/Mersey Sq/Daw Bank	389358	390307	Stockport	02-Jul-06	1.00	0.67	3	1	0	0	0	0	1.00	0.33	365	366	365
7 127	Didsbury Rd/Bankhall Rd/Briars Mount	387474	390657	Stockport	24-Jul-06	1.67	0.00	2	0	1	0	4	1	2.33	0.33	365	366	365
456	Albert Rd/Buckley Ln/Long Causeway	373613	405261	Bolton	09-Aug-06	1.67	1.00	0	0	1	0	1	0	0.67	0.00	365	366	365
362	Manchester Rd/Lumb Ln	391339	397861	Tameside	21-Aug-06	2.00	1.00	2	0	1	0	0	0	1.00	0.00	365	366	365
220	Trinity St/Manchester Rd	371996	408785	Bolton	29-Nov-06	6.33	0.67	5	0	3	1	3	0	4.00	0.36	365	366	274
932	George's Rd/Travis Brow	388669	390411	Stockport	28-Jan-07	2.00	0.00	1	0	1	0	0	0	0.77	0.00	365	366	214
207	Marsden Rd/Moor Ln	371313	409199	Bolton	07-Feb-07	3.33	0.67	5	1	4	1	1	0	3.90	0.78	365	366	204
1133	Chapel Ln/Caroline St	358242	405075	Wigan	11-Feb-07	0.67	0.00	2	0	2	0	0	0	1.57	0.00	365	366	200
5/29	Kingsway/Moss Bridge Rd	391093	412289	Rochdale	15-Feb-07	1.33	0.00	1	0	1	0	2	0	1.57	0.00	365	366	196
122	Rochdale Rd/Thompson St	384640	399038	Manchester	28-Feb-07	2.33	0.33	1	1	1	0	0	0	0.80	0.40	366	365	183
2/26	Bolton Rd W/Dundee Ln	378789	416315	Bury	04-Mar-07	2.33	1.67	1	1	0	0	1	0	0.80	0.40	366	365	179

List of Signalised Junctions with Modified Nearside Indicators with Associated Reported Accident Data Sorted by Modification Date																			
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						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr	
168	Gt Ancoats St/Every St	385586	397943	Manchester	08-Mar-07	1.33	0.00	0	0	1	0	0	0	0.40	0.00	366	365	175	
280	Blackburn Rd/Ulleswater St	371538	410914	Bolton	19-Mar-07	4.00	0.67	2	1	0	0	0	0	0.82	0.41	366	365	164	
7/171	Albert Rd/Turves Rd (ex 949)	387188	386630	Stockport	01-Apr-07	1.33	0.00	0	0	0	0	0	0	0.00	0.00	366	365	151	
5/8	Queensway/Manchester Rd	388392	410425	Rochdale	18-Apr-07	1.67	0.67	1	1	1	0	0	0	0.84	0.42	366	365	134	
221	Bradford St/Castle St	372528	409076	Bolton	29-Apr-07	1.33	0.00	0	0	1	0	0	0	0.43	0.00	366	365	123	
1223	Whitworth St W/Gloucester St	383906	397492	Manchester	10-May-07	0.67	0.00	1	1	1	0	1	0	1.30	0.43	366	365	112	
292	St. George's Rd/Vernon St	371138	409538	Bolton	20-May-07	5.00	0.33	0	0	0	0	0	0	0.00	0.00	366	365	102	
2/12	Bolton St/Carr St	379045	416967	Bury	20-May-07	2.00	0.67	2	0	0	0	0	0	0.88	0.00	366	365	102	
492	Ashton Rd/Egerton St	392334	396163	Tameside	21-May-07	3.67	1.33	0	0	1	0	2	0	1.32	0.00	366	365	101	
978	Didsbury Rd/Green Ln	388317	390343	Stockport	16-Jun-07	0.33	0.00	0	0	0	0	0	0	0.00	0.00	366	365	75	
77	Oldham Rd/Addington St	384705	398768	Manchester	10-Jul-07	3.00	0.67	0	0	3	0	1	1	1.87	0.47	366	365	51	
46	Oldham Rd/Gt Ancoats St	384645	398697	Manchester	27-Jul-07	3.67	2.00	2	1	3	1	0	0	2.39	0.95	366	365	34	
745	Yorkshire St/Union St	393157	405056	Oldham	23-Aug-07	1.00	0.00	0	0	0	0	0	0	0.00	0.00	366	365	7	
6/66	Chorley Rd/Manchester Rd	376796	402286	Salford	13-Sep-07	1.67	0.33	0	0	0	0			0.00	0.00	366	351	0	
513	Bury New Rd/Radcliffe New Rd	380400	406340	Bury	01-Oct-07	1.67	1.00	3	0	1	0			2.09	0.00	366	333	0	
209	Deansgate/Howell Croft North	371509	409274	Bolton	06-Nov-07	1.33	1.00	0	0	1	1			0.55	0.55	366	297	0	
647	Lloyd St/Railway St	376670	387571	Trafford	11-Nov-07	0.67	0.00	0	0	0	0			0.00	0.00	366	292	0	
204	St. George's Rd/Higher Bridge St	371708	409600	Bolton	15-Nov-07	1.67	0.33	2	2	0	0			1.12	1.12	366	288	0	
2110	Wigan Rd/Cross St (ex 10/138)	361477	404428	Wigan	19-Nov-07	0.33	0.00	1	0	1	0			1.12	0.00	366	284	0	
7/5	Ashton Rd/Lingard Ln	392071	392484	Stockport	20-Nov-07	0.67	0.00	0	0	0	0			0.00	0.00	366	283	0	
205	Bridge St/Bow St	371713	409479	Bolton	28-Nov-07	0.00	0.00	0	0	0	0			0.00	0.00	366	275	0	
571	Market St/Union St	394944	394724	Tameside	29-Nov-07	0.67	0.00	1	1	1	0			1.14	0.57	366	274	0	
243	Folds Rd/Bury New Rd	372060	409604	Bolton	13-Dec-07	1.67	0.00	3	0	1	0			2.33	0.00	366	260	0	
7/101	Hillcrest Rd/Nangreave Rd	391152	388949	Stockport	13-Jan-08	0.67	0.00	1	0	1	0			1.23	0.00	366	229	0	
3/64	Burton Rd/Cavendish Rd	384082	392401	Manchester	31-Jan-08	0.00	0.00	0	0	1	1			0.63	0.63	366	211	0	
1915	Newton St/Dukinfield Rd	394568	395318	Tameside	10-Feb-08	0.00	0.00	0	0	0	0			0.00	0.00	366	201	0	
628	Oldham Rd/Mersey Rd North	390344	402304	Oldham	13-Feb-08	1.67	0.00	0	0	1	0			0.65	0.00	366	198	0	

List of Signalised Junctions with Modified Nearside Indicators with Associated Reported Accident Data Sorted by Modification Date

Site No.	Road_Names	Easting	Northing	Authority	Modification Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
2108	Wigan Rd/Liverpool Rd (ex 10/006)	361578	404287	Wigan	20-Feb-08	2.00	0.33	2	0	0	0			1.31	0.00	366	191	0
4/34	Rochdale Rd/Featherstall Rd N	392122	406071	Oldham	26-Mar-08	2.00	0.33	1	1	0	0			0.70	0.70	365	157	0
238	Folds Rd/Turton St	372262	409909	Bolton	06-Apr-08	1.67	0.00	0	0	0	0			0.00	0.00	365	146	0
657	Albert Rd/Brackley St	373625	405684	Bolton	27-Apr-08	0.67	0.00	0	0	0	0			0.00	0.00	365	125	0
3/154	Moss Ln W/Chorlton Rd (ex 30)	382953	395817	Manchester	27-Apr-08	4.33	2.33	2	0	1	0			2.23	0.00	365	125	0
2/4	Bury New Rd/St. Ann's Rd (ex 523)	381521	403469	Bury	01-May-08	2.33	0.33	0	0	1	0			0.75	0.00	365	121	0
10/116	Warrington Rd/Clapgate Ln (ex 10/116)	356674	403444	Wigan	09-May-08	1.33	0.33	0	0	0	0			0.00	0.00	365	113	0
2/102	Bury Old Rd/Scholes Ln (ex 468)	382579	403143	Bury	28-May-08	2.00	0.33	2	0	2	0			3.18	0.00	365	94	0
282	Blackburn Rd/Waters Meeting Rd (Northern Entrance)	371508	411140	Bolton	08-Jun-08	1.00	0.00	0	0	1	0			0.81	0.00	365	83	0
619	Bury New Rd/Church Ln	380480	406139	Bury	19-Jun-08	1.33	0.00	1	0	0	0			0.84	0.00	365	72	0
1309	John St/Yorkshire St (ex 5/46)	389941	413714	Rochdale	29-Jun-08	2.00	0.33	2	0	0	0			1.71	0.00	365	62	0
Total						413.74	96.27	293.00	79.00	292.00	65.00	226.00	48.00	285.55	66.49			
Not Complete Years Data																		
No Data																		

List of Signalised Junctions with Modified Nearside Indicators with Associated Reported Accident Data Sorted by Installation Date

Site No.	Road Names	Easting	Northing	Authority	Installation Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in		
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
1059	Gt Western St/Princess Rd	383826	395528	Manchester	06-Jun-01	3.00	0.67	4	0	3	1	4	1	3.66	0.67	365	365	366
8 112	Moorside St/Hoppet Ln	391109	398992	Tameside	20-Dec-02	0.67	0.00	0	0	0	0	0	0	0.00	0.00	365	366	365
8 108	Queen's Rd/Alderley St	394931	400107	Tameside	05-Feb-03	0.33	0.33	0	0	0	0	0	0	0.00	0.00	365	366	365
6 80	Agecroft Rd/Site Access	379810	401564	Salford	03-Mar-03	0.00	0.00	0	0	0	0	1	0	0.33	0.00	366	365	365
3 146	Platt Ln/Yew Tree Rd	384766	394739	Manchester	27-Mar-03	4.67	0.33	2	0	1	0	0	0	1.00	0.00	366	365	365
392	Market St/Greenside Ln (ex 434)	390485	398236	Tameside	06-Apr-03	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	365	365
556	Greengate/Victoria Ave E/Greengate Rbt	388394	403241	Manchester	02-Jun-03	0.67	0.00	2	0	2	0	2	0	2.00	0.00	366	365	365
557	Greengate E/Moston Ln/Greengate Rbt	388406	403203	Manchester	02-Jun-03	1.00	0.00	0	0	0	0	1	0	0.33	0.00	366	365	365
558	Hollinwood Ave/Lightbowne Rd/Greengate Rbt	388452	403184	Manchester	02-Jun-03	3.67	0.33	1	0	3	0	1	0	1.67	0.00	366	365	365
7 160	Brinnington Rd/Northumberland Rd	391291	392238	Stockport	05-Jun-03	0.00	0.00	1	0	1	0	0	0	0.67	0.00	366	365	365
1008	Princess Rd/Withington Hospital Access	383443	392684	Manchester	01-Jul-03	0.00	0.00	3	0	3	0	1	0	2.33	0.00	366	365	365
270	Tonge Moor Rd/Castleton St	372815	410817	Bolton	14-Aug-03	0.67	0.00	0	0	0	0	0	0	0.00	0.00	366	365	365
10 3	Wigan Rd/Downall Green Rd	357108	400737	Wigan	17-Aug-03	1.33	0.33	0	0	1	1	2	0	1.00	0.33	366	365	365
10211	Wigan Ln/Royal Albert Edward Infirmary Access	358476	407145	Wigan	20-Aug-03	0.67	0.00	0	0	0	0	0	0	0.00	0.00	366	365	365
366	Lord Sheldon Way/Alexandria Dr	392074	398624	Tameside	29-Aug-03	0.00	0.00	0	0	1	0	1	0	0.67	0.00	366	365	365
442	Chester Rd/White City Retail Park Access	381125	396176	Trafford	11-Nov-03	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	365	365
368	Lord Sheldon Way/Richmond St	392894	399279	Tameside	11-Dec-03	0.00	0.00	4	0	5	1	2	0	3.66	0.33	366	365	365
1090	Cambridge St/Cavendish St	384120	396951	Manchester	12-Jan-04	4.33	2.00	1	0	1	0	0	0	0.67	0.00	366	365	365
753	Emmott Way/Clegg St	392792	404672	Oldham	12-Feb-04	0.00	0.00	0	0	0	0	2	0	0.67	0.00	366	365	365
6 81	Green Ln/King Edward St	376328	398587	Salford	11-Mar-04	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
360	Ashton Rd/Worthington Way	392451	395786	Tameside	31-Mar-04	1.33	0.00	1	1	1	0	0	0	0.67	0.33	365	365	365
291	Chorley Old Rd/Gaskell St	370823	409688	Bolton	13-Apr-04	2.33	0.00	1	1	1	0	0	0	0.67	0.33	365	365	365
188	Gartside St/New Quay St/Quay St	383201	398089	Manchester	18-Apr-04	0.67	0.00	1	0	2	0	1	0	1.33	0.00	365	365	365
1 119	Chorley Rd/Wimberry Hill Rd	364644	407556	Bolton	10-May-04	1.00	0.00	0	0	1	0	0	0	0.33	0.00	365	365	365
1 118	Beaumont Rd/Glengarth Drive	367780	408991	Bolton	18-May-04	1.00	0.00	0	0	1	0	4	0	1.67	0.00	365	365	365
1 128	Beaumont Rd/Armada Rd	368148	408284	Bolton	27-May-04	1.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365
3 152	Sale Rd/Wythenshawe Rd	382164	390049	Manchester	28-May-04	5.33	0.00	0	0	4	0	0	0	1.33	0.00	365	365	365

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Site No.	Road Names	Easting	Northing	Authority	Installation Date	Before (Rate/Year)		After 1st Year		After 2nd Year		After 3rd Year		After (Rate/Year)		No. of Days in			
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr	
600	Redclyffe Rd/B & Q Development Access	376828	397220	Trafford	16-Jun-04	0.00	0.00	0	0	0	0	1	0	0.33	0.00	365	365	365	
1 12	Crompton Way/Green Way	372489	411331	Bolton	27-Aug-04	1.33	0.67	0	0	0	0	1	0	0.33	0.00	365	365	365	
395	Hyde Rd/Saxon St	392637	395503	Tameside	17-Sep-04	1.33	0.33	0	0	3	0	1	0	1.33	0.00	365	365	365	
396	Stockport Rd/Inman St	392582	395374	Tameside	17-Sep-04	1.00	0.33	1	0	1	0	1	0	1.00	0.00	365	365	365	
3 1	Kenyon Ln/Moston Ln (3 14)	387069	401933	Manchester	24-Sep-04	2.66	1.67	2	0	3	1	4	1	3.00	0.67	365	365	365	
22	Cheetham Hill Rd/Manchester Fort Retail Park	384391	400235	Manchester	21-Oct-04	0.00	0.00	1	0	0	0	0	0	0.33	0.00	365	365	365	
593	Tiviot Way/Water St	390067	391241	Stockport	07-Nov-04	0.67	0.00	2	0	4	0	1	0	2.33	0.00	365	365	365	
171	Cooper St/Princess St	383973	398058	Manchester	11-Nov-04	0.67	0.67	0	0	1	0	1	0	0.67	0.00	365	365	365	
595	Portwood Roundabout/Gt Portwood St	390217	390997	Stockport	14-Nov-04	1.33	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365	
985	Portwood Roundabout/Crookilley Way	390297	391090	Stockport	14-Nov-04	2.66	0.00	4	0	1	0	1	0	2.00	0.00	365	365	365	
506	M60 J7 E/B off-slip/Chester Rd	379216	393488	Trafford	12-Dec-04	3.33	0.00	4	0	1	0	2	0	2.33	0.00	365	365	365	
899	Macclesfield Rd/Melford Rd Bus Station exit	392559	386348	Stockport	20-Dec-04	1.67	0.33	0	0	1	0	1	0	0.67	0.00	365	365	365	
1134	Robin Park Rd/Police Station Access	356589	405503	Wigan	03-Feb-05	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	365	
1600	Manchester Rd/Tweedale St	389206	412497	Rochdale	09-Mar-05	2.33	0.33	5	1	2	0	5	2	4.00	1.00	365	365	366	
800	Higher Hillgate/Marriott St	389882	389730	Stockport	21-Apr-05	0.33	0.33	0	0	1	0	0	0	0.33	0.00	365	365	366	
455	Manchester Rd/Sth Trafford College Access	376882	389812	Trafford	11-May-05	0.33	0.00	0	0	0	0	2	1	0.67	0.33	365	365	366	
1 24	Bridgeman St/High St	371101	407899	Bolton	24-Jun-05	4.00	0.67	2	0	0	0	1	0	1.00	0.00	365	365	366	
191	Burnage Ln/Lane End Rd	386029	391557	Manchester	08-Sep-05	3.00	0.00	2	1	2	0	3	1	2.33	0.67	365	365	366	
875	Wellington St/Lower Hillgate	389765	390270	Stockport	08-Sep-05	0.67	0.00	5	2	0	0	0	0	1.67	0.67	365	365	366	
58	Parrs Wood Ln/Wilmslow Rd/E Didsbury Stat.	385405	390418	Manchester	10-Oct-05	1.67	0.33	1	0	1	0	1	1	1.00	0.33	365	365	366	
199	Ashton Old Rd/Welcomb St	387942	397439	Manchester	02-Nov-05	0.33	0.00	1	0	0	0	1	0	0.67	0.00	365	365	366	
154	Oldham Rd/The Gateway	387007	400406	Manchester	09-Nov-05	0.00	0.00	0	0	0	0	0	0	0.00	0.00	365	365	366	
223	Belmont Rd/Bar Ln	371283	412086	Bolton	15-Feb-06	0.67	0.00	1	0	1	1	1	1	1.00	0.67	365	365	366	
136	Hathersage Rd/Hospital Access	385344	395836	Manchester	16-Feb-06	0.67	0.33	0	0	0	0	0	0	0.00	0.00	365	365	366	
3 80	Victoria Station Approach SE of Hunt's Bank	384012	398929	Manchester	23-Feb-06	0.00	0.00	1	1	0	0	0	0	0.33	0.33	365	365	366	
349	Junction Inn/Hyde Rd/Stalybridge Rd	399311	395641	Tameside	30-Apr-06	0.67	0.00	0	0	0	0	2	0	0.67	0.00	365	366	365	
3 24	Palatine Rd/Church Rd/Kenworthy Ln	382846	390061	Manchester	16-May-06	4.00	0.67	1	1	3	1	0	0	1.33	0.67	365	366	365	

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						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped	1st Yr	2nd Yr	3rd Yr
1/45	Chorley Old Rd/New Church Rd	368645	410520	Bolton	05-Jul-06	0.00	0.00	1	0	0	0	0	0	0.33	0.00	365	366	365
10 35	Woodhouse Dr/Scot Ln (2100)	356289	406988	Wigan	19-Jul-06	2.66	0.00	0	0	1	0	1	0	0.67	0.00	365	366	365
1410	New Quay St/Water St	383148	398184	Manchester	02-Aug-06	1.67	0.00	1	1	1	1	0	0	0.67	0.67	365	366	365
9/38	Northenden Rd/Woodland Rd/Wardle Rd	379157	391894	Trafford	04-Aug-06	1.33	0.33	3	2	0	0	0	0	1.00	0.67	365	366	365
8/109	Edge Ln/Waterside View	389114	397993	Tameside	30-Aug-06	0.33	0.00	1	0	0	0	1	0	0.67	0.00	365	366	365
7 131	Mauldeth Rd/Thornfield Rd	387107	391115	Stockport	04-Sep-06	1.33	0.00	0	0	1	0	0	0	0.33	0.00	365	366	360
6/70	Bolton Rd/Development Access	373652	403186	Salford	14-Sep-06	0.33	0.33	0	0	0	0	1	0	0.34	0.00	365	366	350
8/5	Manchester Rd/Mill Ln	397497	402556	Tameside	02-Nov-06	0.00	0.00	2	1	0	0	0	0	0.71	0.35	365	366	301
1197	Chapel Ln/Poolstock	358215	404825	Wigan	29-Jan-07	0.33	0.00	0	0	0	0	0	0	0.00	0.00	365	366	213
10/21	Westleigh Ln/Nel Pan Ln	365058	401851	Wigan	30-Jan-07	1.33	0.00	1	0	3	0	1	0	1.94	0.00	365	366	212
1192	Chapel Ln/Waterside Dr	358199	404951	Wigan	11-Feb-07	0.67	0.33	0	0	0	0	0	0	0.00	0.00	365	366	200
1407	Every St/Ancoats Grove	385638	398020	Manchester	08-Mar-07	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	365	175
785	Middlewood St/Hampson St	382692	398046	Salford	02-Apr-07	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	365	150
1164	Rodney St/Library St	358397	405458	Wigan	10-Apr-07	0.00	0.00	3	3	1	0	0	0	1.67	1.25	366	365	142
1/115	Long Ln/Radcliffe Rd	373892	408294	Bolton	19-Apr-07	0.33	0.00	0	0	1	1	1	0	0.84	0.42	366	365	133
10/33	Ormskirk Rd/Fleet St	354699	404646	Wigan	14-Jun-07	2.33	1.33	1	1	3	2	0	0	1.81	1.36	366	365	77
189	Moor Rd/Lawnhurst Ave	380475	389764	Manchester	09-Jul-07	0.00	0.00	0	0	0	0	0	0	0.00	0.00	366	365	52
263	Blackburn Rd/Birley St/Asda Access	371444	411548	Bolton	17-Jul-07	0.33	0.00	1	0	0	0	0	0	0.47	0.00	366	365	44
10/17	Orrell Rd/Moor Rd	353430	405049	Wigan	19-Sep-07	0.33	0.00	0	0	0	0			0.00	0.00	366	345	0
248	Bury New Rd/Mill St/A666 on slip road	372134	409480	Bolton	26-Sep-07	0.00	0.00	0	0	0	0			0.00	0.00	366	338	0
6/83	Agecroft Rd/Langley Rd	380471	401709	Salford	17-Oct-07	0.33	0.00	0	0	1	0			0.53	0.00	366	317	0
5/140	Queensway/Gyratory W	390350	411902	Rochdale	21-Oct-07	2.00	0.00	1	0	1	0			1.08	0.00	366	313	0
5/141	Kingsway/Gyratory N	390409	411935	Rochdale	21-Oct-07	3.33	1.33	1	0	2	0			1.61	0.00	366	313	0
5/142	Oldham Rd/Gyratory S	390423	411844	Rochdale	26-Oct-07	0.33	0.33	0	0	1	0			0.54	0.00	366	308	0
2111	Cross St/Tesco Access	361562	404440	Wigan	19-Nov-07	1.00	0.00	0	0	0	0			0.00	0.00	366	284	0
244	St. Peter's Way Slip Rd/St George's St	371861	409636	Bolton	22-Nov-07	0.00	0.00	0	0	1	0			0.56	0.00	366	281	0
4-57	Greengate/Greenside Way/Northgate	388493	403940	Oldham	07-Dec-07	1.00	0.00	1	0	1	0			1.16	0.00	366	266	0

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						(Rate/Year)		1st Year		2nd Year		3rd Year		(Rate/Year)		1st Yr	2nd Yr	3rd Yr	
						All	Ped	All	Ped	All	Ped	All	Ped	All	Ped				
4/93	Heyside/Water St/Bullcote Ln	393455	407720	Oldham	07-Dec-07	0.67	0.00	1	0	0	0			0.58	0.00	366	266	0	
241	Manchester Rd/Grovesnor St	372087	408609	Bolton	11-Dec-07	0.67	0.00	1	0	0	0			0.58	0.00	366	262	0	
7/177	Bramhall Ln South/Midland Rd/Grange Rd	389679	387184	Stockport	11-Dec-07	1.33	0.00	0	0	3	0			1.74	0.00	366	262	0	
648	Railway St/Regent Rd	376733	387679	Trafford	19-Dec-07	0.67	0.33	0	0	0	0			0.00	0.00	366	254	0	
373	Rochdale Rd/Derby Way	380936	410827	Bury	19-Feb-08	0.67	0.00	1	0	0	0			0.65	0.00	366	192	0	
1605A	Manchester Rd/Kemp Ave/New Barn Ln	388986	412098	Rochdale	12-Mar-08	1.67	0.00	1	0	2	0			2.04	0.00	365	171	0	
1602	Manchester Rd/Edinburgh Way/Roch Valley Way	388631	411905	Rochdale	13-Apr-08	6.66	0.00	5	0	1	0			4.35	0.00	365	139	0	
3/158	Old Market St/Lion St	385547	402958	Manchester	17-Apr-08	0.67	0.00	2	1	0	0			1.46	0.73	365	135	0	
1609	St Marys Gate/Yorkshire St/Whiworth Rd	389885	413777	Rochdale	08-Jun-08	1.33	0.00	3	0	0	0			2.44	0.00	365	83	0	
Total						111.26	14.99	86.00	17.00	81.00	10.00	58.00	8.00	85.74	12.78				
	Not Complete Years Data																		
	No Data																		