Permit Scheme Yr1 Review

Highways | Network & Safety

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RINGWAY JACOBS
integrated expertise

Essex County Council

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1 EXECUTIVE SUMMARY

The Essex County Council Permit Scheme was introduced in 16th March 2015 and has had a successful first year. The purpose of this report is to evaluate the Permit Scheme in respect to these successes and give consideration to the fee structure, the costs and benefits of operating the scheme and whether the Permit Scheme is meeting key performance indicators where these are set out in the Guidance.

Roadworks are a necessity to enable Utilities and Highway Authority works to be carried out in order to renew, improve and install infrastructure. As these works take up valuable road space it is important that the impact is minimized as can created congestion and delay.

The Permit Scheme is not intended to prevent activities necessary for the maintenance or improvement of the road network or the services running underneath it. It is designed to make available the necessary resources to achieve an appropriate balance between the interests of the various parties and where possible, bring about effective co-ordination between all the different competing interests.

The 2011 Census showed that 409,000 residents travelled to work by car with a further 19,000 commuting to the county. 14,000 residents cycled and over 600 commuted to work from outside the county. 22,000 residents used buses to get to work and nearly 4,000 from outside the county.

This is a first year evaluation and there are a wide range of indicators and measures that the industry has been discussing and agreeing should be analyzed. Some of these are possible to report on and some require further work prepare.

Over the coming years more and more data will be available and can be analyzed along with benchmarking data from other Permit Schemes. This will allow the Essex Permit Scheme to continuously improve and understand the areas it is efficient and effective at and the areas that need improvement.

This evaluation identifies all the indicators and measures the industry, through various representative groups, has agreed upon.

Although some data is not available currently, the requirement and format has been documented in this evaluation so that it can be identified easily and worked on over the next year.

1.1 SUMMARY FINDINGS

A **5%** reduction in roadworks (via reduced duration, number or size) has been achieved. This is indicated by an improvement of 0.17% in average journey times in Essex.

During the first year of operation; **59,060** Permit applications were received form Utility Promoters and Highway Authority Promoters. This is 23% less than historical Notice volumes indicated. However, 80% of these were from Utility promoters, a much high percentage than expected.

46,327 Permits were granted which is **78%** of Permit applications received.

12,726 Permits were refused for various reasons which is 22% of applications. The Permit team can refuse a Permit application when they consider that elements of the application (e.g. timing, location or conditions) are not acceptable.

23% of applications from the Highway Authority were refused and **21%** from Utilities, demonstrating parity of treatment between these Promoters.

7 Permits deemed (granted without co-ordination by the Permit team) which is less than 1% of applications received. These deemed Permits do not attract a fee. This is an extremely low number and an outstanding achievement by the team.

20,874 variations requests were received. **This is 6 times the number expected**. Managing this unexpectedly high volume of variations has been a considerable challenge and a credit to the team as only **5** variations deemed.

16,796 variations to granted Permits were granted which is **80%** of requests.

90,961 conditions were attached to Permits. The Permit Scheme allows for the attaching of conditions to Permits and not all types of conditions will necessarily be applied to all Permits.

5,494 Utility Permits were offered a 15% discount for working wholly outside Traffic Sensitive times. This is seen as a positive behavior that further minimized disruption, furthermore, this equates to **£126,000** of savings to the Utility companies.

191 collaborative working arrangements between Utilities were recorded. An outstanding achievement by the team which means ECC offered a 100% discount on permits for these works which another saving to utilities as we as the added bonus to the travelling public.

879 days of road works duration have been saved by collaborative works which is an outstanding achievement by the team.

6,606 site inspections were conducted and **1,213** failed to meet agreed conditions. A **19%** failure rate which will need further monitoring going forward in future years.

The scheme has resulted in a journey time saving of 0.17% that implies a 5% reduction in delay from roadworks (this is explained in the scope of works). The scheme, when taking into account the increase in traffic flow, 10% is estimated due to roadworks has reduced carbon emissions by 0.1%.

Traffic volume in Essex in 2014 was 9,328 mkm that equates to 373,588 thousand tonnes of CO2. A 0.1% saving equates to a saving of 3,736 tonnes of CO2, in monetary terms a non-cashable societal saving of **£218k** (based on WebTag value of Co2 in tonnes of £58.30, 2015 price)

£1,503,475 of Permit fee income was received.

£1,694,417 of costs were incurred.

1.2 FIRST YEAR ISSUES

Difficulties during the first year of operation have been in two key areas; staff numbers and the IT system.

Recruitment of the team went well and the new members of staff were well trained and supported leading up to the introduction of the Scheme and during the first few months of operation. However, due to the higher proportion of Utility works and the much higher level of Variation applications received there are still less resources than required so staff have worked extra hours throughout the year to cope with the increased workload.

A great deal of work has gone in to the IT system with some success and the system has been greatly improved over the year. However, more work is required so the full range of reporting requirements can be met for further evaluations and analysis.

Data on the average duration of works and days of disruption saved was not reliably available. The CBA calculated an average duration of works form a previous industry report. This information will be worked on for future reports so the impact of the Permit Scheme can be better shown.

1.3 NEW STAFF

A phased approach was utilised by Essex County Council to ensure that permit recruitment was closely managed against the delivery of the scheme in the early stages. The recruitment process deployed was such that, as the scheme came in to operation an internal review would be undertaken every 3 months, to ascertain if the demand for additional permit officers was required. Essex County Council, realised from an early stage that there is and remains a gap within the Streetworks Industry and opted to create apprenticeship roles within our Permit Scheme, with the aim to increase the skilled staff within the Industry.

1.4 EXAMPLES OF OBJECTIVES ACHIEVED

The Permit Team have worked hard on co-ordination and assessing and responding to all Permit applications to minimise disruption as shown by the available data below.

A manual system of recording specific cases is being introduced so that in future years a list of specific examples can be presented demonstrating how the scheme has further met its objectives

1.5 CONCLUSIONS

This report provides evaluation findings of key indicators and measures for the Essex Permit Scheme after its first year of operation.

The team now co-ordinate all road and street works in Essex and take the time to review each and every application and apply conditions to minimise the impact of the works on the users of the network.

ECC has considered the costs incurred and fee income and therefore at present ECC has decided that there is no need to consider an adjustment in fee rates at this time.

Circa 20% of applications were refused. This is an area that needs consideration over the next year. Potentially, a better understanding of the scheme requirements and further improvements to liaison with Utility Promoters may reduce the number of applications refused.

A high number of collaborative works have been organised which is a very challenging objective to achieve. This is a very positive outcome in the first year of operation.

The Permit team have been proactive in early discussions with Promoters to reduce the process by approving early starts but this needs to happen more with Utility Promoters to minimise the number of extensions and Permit breaches that impact on the network.

The Permit team and Promoters will continue to work together and make improvements to minimise the impact of works on the highway network.

Discounts on Utility fees for positive working arrangements have been very successful and has been financially beneficial to the Utility companies.

Future reports will aim to contain more data which may possibly allow greater analysis of the impact of the Permit Scheme.

Now works are being Permitted and co-ordinated effectively has resulted in the network being properly managed, the introduction of the Permit Scheme has led to a better control of the network and of the works undertaken on it.

1.6 LOOKING FORWARD

The Permit Scheme will continue to be developed over the next year with a focus on 4 key areas.

- IT system improvement and data recording and reporting
- Staff recruitment
- Staff training and development
- Discount rates offered to Utilities for working in way that minimise disruption are being reviewed to further identify incentives to further improve the performance against the objectives of the Permit Scheme.

2 DEVELOPING THE PERMIT SCHEME

During 2014 and after an initial high level financial assessment, consideration of the local needs and discussion with internal stakeholders, operational partners, consultants and neighboring Highway Authorities, Essex County Council decided that the most appropriate scheme for Essex is one that would operate on all streets.

The Permit Scheme has been designed to assist the Council to manage the existing local road network for the benefit of all road users. The Permit Scheme will support existing activities and priorities of the Council and will provide a positive benefit. The Scheme will also encourage the undertakers, including those working for and on behalf of the Highway Authority to work in collaboration.

The Permit Scheme has been operationally and proactively focused on Strategically Significant Streets and to further the overall cultural shift to better management of the network. However, co-ordination of all activities on all streets will be undertaken to deliver effective and proactive management of the entire network and give consideration to the needs of all highway users and stakeholders such as local community bus operators.

Lower fees will be charged for activities on non-traffic sensitive streets and category 3 and 4 roads.

2.1 TRAFFIC SENSITIVE NETWORK

The Traffic Sensitive network was developed using the guideline criteria identified in Section 5 of the Department for Transport's document 'New Roads and Street Works Act 1991: Code of Practice for the Co-ordination of Street Works and Works for Road Purposes and Related Matters August 2009'.

2.2 PREMIT SCHEME OBJECTIVES

The strategic objective for the Permit scheme is to provide a capability to manage and maintain the local highway network for the safe and efficient use of road space, whilst allowing Promoters access to maintain their services and assets.

The principle of the Permit Scheme is to improve the planning, scheduling and management of activities so that they do not cause unnecessary traffic disruption to any road user. It will help Essex County Council meet their network management duty under the TMA. Coordination of activities through the Permit Scheme will enable differences between those competing for space or time in the street, including traffic, to be resolved in a positive and constructive way.

The sub-objectives of the Essex Permit Scheme are;-

- To proactively manage the local highway network to maximise the safe and efficient use of road space.
- To improve the quality and timeliness of information and compliance with highway legislation from all activity promoters.
- To improve the information available to the public to help provide and inform reliable journey times.
- To ensure the safety of those using the street and those working on activities that fall under the scheme, with particular emphasis on people with disabilities.
- To protect the structure of the street and the integrity of the apparatus in it.
- To ensure parity of treatment for all activity promoters particularly between statutory undertakers and highway authority works and activities.

2.3 ALIGNED OBJECTIVES

The Permit Scheme objectives align with the strategic objectives of Essex County Council. In July 2013 Essex County Council's (ECC's) new Cabinet outlined their Vision for Essex – a vision of a county where innovation brings prosperity.

In support of this vision, there are seven specific 'outcomes' that ECC will work towards. Securing these outcomes will make Essex a more prosperous county – one where people can flourish, live well and achieve their ambitions. Progress towards securing these outcomes will be measured by a number of indicators. Taken together, these outcomes and indicators make up ECC's Corporate Outcomes Framework for 2014-2018

The key outcome for transport is:

Sustainable economic growth for Essex communities and businesses.

Two of the indicators relating to this outcome are:

- Increased connectivity and journey time reliability on priority route network (PR1)
- Number of bus and/or community transport journeys

3 APPENDIX 1 - EVALUATION BACKGROUND

3.1 PERMIT SCHEME EVALUATION

Swift Argent Ltd was commissioned by Essex County Council (ECC) in 2016 to evaluate the performance of the first year of the Essex Permit Scheme (EPS) as a requirement set out in The Traffic Management Permit Scheme (England) (Amendment) Regulations 2015 regulation 16A.

The purpose of this report is to evaluate the Permit Scheme specifically and give consideration to the fee structure, the costs and benefits of operating the Scheme and whether the Permit Scheme is meeting key performance indicators where these are set out in the Guidance.

3.2 SCOPE OF WORK

In order to evaluate the performance of a Permit Scheme a number of data items are required to enable analysis.

All data should be readily available within the street works IT system of the respective Highway Authority. Financial information should be available from the Authority finance department and certain data is collected from DfT statistics.

Ideally annual performance data should be collected monthly throughout the year to enable changes and trends to be observed over time. This could also be useful to enable regular checks to be made internally against key targets so this can be managed and responded to quickly. Such a response could include further training of the Permit Team to ensure consistency and outcome focused activities.

The individual data items are set out later in this report for each indicator but will include the following categories.

- Number of Permits granted, modified and refused
- Conditions applied for
- Variations and extensions and early starts
- Location of roadworks
- Permit fees
- Operational costs
- Travel times and reliability
- Carbon Impacts

As part of the initial assessment for the introduction of a Permit Scheme and the subsequent application to the Secretary of State for Transport or preparation of a Local Order, the Highway Authority is required to conduct a Cost Benefit Analysis (CBA) on the likelihood of a Scheme to deliver value for money to society (as a benefit to cost ratio).

This CBA is based on the principles of the Department for Transports New Approach to Transport Appraisals (NATA) framework and include broad assumptions on the costs and benefits of a Permit Scheme. This gives a base in order to make assessment of aims to be achieved.

3.3 KEY PERFORMANCE INDICATORS

A set of Key Performance Indicators (KPIs) and Objective Measures (OMs) are set out below to demonstrate parity of treatment between road works for road purposes and street works undertaken by statutory undertakers.

Section 20.3 of the Permits Code of Practice states that every Authority that wants to run a Permit Scheme must explain how it intends to demonstrate parity of treatment for promoters in its application.

The Code contains seven KPIs that could be used for this purpose. The recording of KPIs 1 and 2 is a mandatory requirement of all Permit Schemes.

Authorities should select at least two others which they consider will demonstrate parity across their Permit Scheme. Authorities can also include their own KPIs.

- KPI 1 The number of Permit and Permit variation applications received, the number granted and the number refused. (breakdown of the data into applications granted and refused in relation to highway authority works for road purposes and works by utility promoters, and provide a comparison with the percentage of Permits granted The data is further broken down by activity type into applications granted and refused.)
- KPI 2 The number of conditions applied by condition type.
- KPI 3 The number of approved extensions
- KPI 4 The number of occurrences of reducing the application period (early starts).
- KPI 5 The number of agreements to work in Section 58 and Section 58A restrictions. (Details of Section 58 and 58A restrictions will be provided as required under Section 8.3 of the TMA Code of Practice for Permits.)
- KPI 6 The proportion of times that a Permit authority intervenes on applications
- KPI 7 Number of inspections carried out to monitor conditions

The Statutory Guidance for Highway Authority Permit Schemes October 2015 set out Permit Indicators (TPI) for Permit Schemes are additional to the general TMA Performance Indicators (TPIs), which are already being produced. The TPIs focus on occupancy, co-ordination and inspections, and there for relate mainly to the stages of the works from works start to final conclusion. These additional Permit indicators focus more on the process of Permit applications and responses, prior to the works being carried out.

- TPI1 Works Phases Started (Base Data)
- TPI2 Works Phases Completed (Base Data)
- TPI3 Days Of Occupancy Phases Completed
- TPI4 Average Duration of Works Phases Completed
- TPI5 Phases Completed on time
- TPI6 Number of deemed Permit applications
- TPI7 Number of Phase One Permanent Registrations

In addition to DfT KPIs and HAUC TPIS. The Highway Authority can collate its own data. These Authority Measures (AM) should reflect the business case and objectives put forward in the Scheme submission documentation.

- AM 1 Average duration of works by Permit type
- AM 2 Inspections (% age of total undertaken and failures)
- AM 3 Days of Disruption Saved/ Number of collaborative works
- AM 4 Response Code – broken down by promoter
- AM 5 FPNs (Permit Breaches)
- AM 6 Levels of Customer Enquiries
- AM 7 Average Journey Times (as detailed below)
- AM 8 Journey time reliability (as detailed below)
- AM 9 Road Traffic Collisions (as detailed below)
- AM 10 Carbon Emissions (as detailed below)
- AM 11 Profit/Loss (as detailed below)

3.4 AVERAGE JOURNEY TIMES

A key benefit of the Permit Scheme will be to increase speeds, i.e a reduction in journey times per unit distance travelled due to reduction in delay from roadworks. It is expected the level of delay in a dense urban network across 12 hours of operation, 10% is estimated to be due to road works, 10% unplanned incidents and 5% control devices with a non-recurrent delay on roads of 25% of total delay. A 5% reduction in road works would account for a 0.5% reduction in total delay or 10% reduction 1% reduction on total delay.

The DfT publish data quarterly statistical data on road congestion on locally managed ‘A’ roads and is measured by estimating the average speed achieved by vehicles during the weekday morning peak from 7am to 10am. Average speeds are presented at national, regional and local highway authority level. Analysis by TfL has determined that on average between 07:00 to 19:00 across the network, delay accounts for about one third of journey times, the remaining two thirds approximates to the free flow or unhindered journey component so that a 5% reduction in roadworks would see an expected improvement of 0.17%.

There are two ways to measure average journey times using this data (a) either comparing passed average journey times before the Permit Scheme and during the Permit Scheme for that authority; or (b) compare Permitted authority to non-Permitted authority local to the area with similar characteristics. The later assumes that all network outcomes are equal and any difference is attributable to the Permit Scheme.

3.5 JOURNEY TIME RELIABILITY

It is expected that a key benefit of a Permit Scheme will be an improvement in journey time reliability on the network. Journey time reliability is measured using ANPR (Automatic Number Plate Recognition) cameras.

Although ANPR cameras are becoming more of a necessity for highway authorities to prove that traffic management measures are reducing congestion as part of the TMA (Traffic Management Act) these are generally only used for major roads where there is the most congestion.

A further method is to model the relationship between journey time and standard deviation. This method is suggested in WebTAG and would compare the standard deviation of variability between the Permitted and non-Permitted authorities.

3.6 ROAD TRAFFIC COLLISIONS

Road Works have a higher rate of collisions due to queuing traffic and driver frustration causing erratic behaviour. The Permit Scheme can support minimising these risks in addition to the reduction in roadworks themselves. This may include approval of traffic management plans, better signage, diversion routes, average speed cameras, reduced duration and disruption.

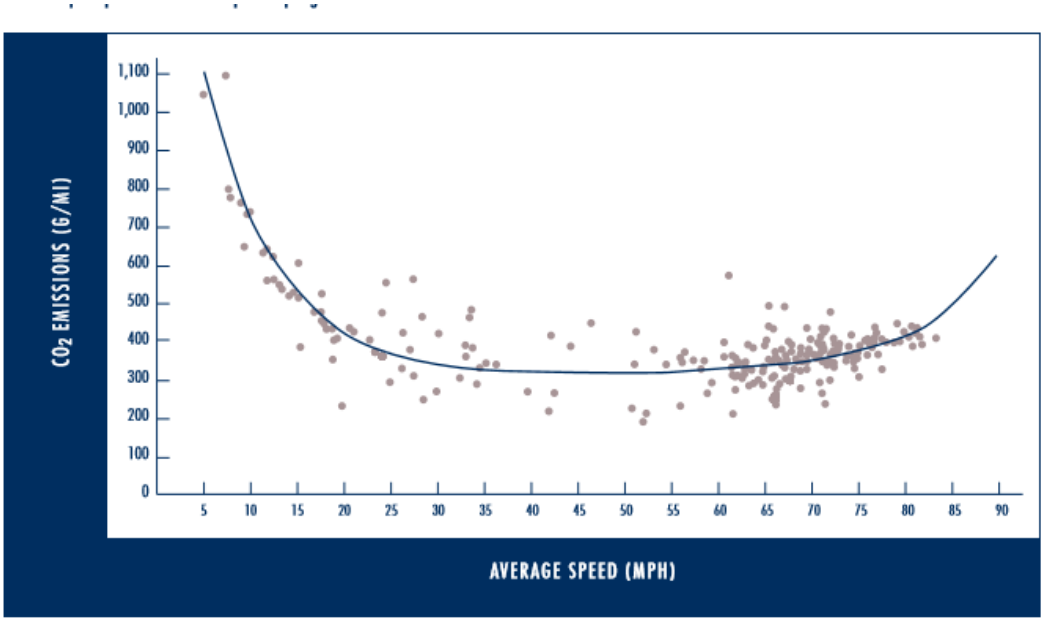
To measure the impact of a Permit Scheme on road traffic collisions, data can be analysed before and after the Scheme starts and also compare trends with non-Permitted authorities.

3.7 CARBON EMISSIONS

An outcome of reduced congestion is the reduction in fuel consumption and CO_2 emissions. The fuel consumption that causes CO_2 emissions is very sensitive to several factors and includes driver behaviour, vehicle and road types and traffic conditions. Due to multiple variables a comprehensive carbon model is used as a methodology to accurately estimate how congestion reduction will reduce CO_2. A typical driving trip consists of idling, accelerating, cruising, and decelerating. An average trip would produce about 330 grams per mile (g/mi) of CO2 emissions. The figure below shows a typical speed emission curve and shows at lower speeds with high accelerating and decelerating in congestion has much higher emissions. As

speed increases congestion decreases. On motorways with speeds above 65mph emissions increase as engines are under strain.

AVERAGE SPEED OVER CO_2 EMISSIONS



Source: TRAFFIC CONGESTION AND GREENHOUSE GASES BY MATTHEW BARTH AND KANOK BORIBOONSOMSIN

The National Transport Model (NTM) is the Department for Transport's main strategic policy testing and forecasting tool used to forecast traffic levels and the subsequent congestion and emissions impacts on the national road network of Great Britain (GB).

Curves for 'ultimate' CO2 emissions can be derived directly from the fuel consumption by converting the units from litre/100km to g fuel/km and applying a simple conversion factor based on the carbon content of petrol and diesel fuels. To calculate fuel consumption as set out in WebTAG the following

Fuel consumption is estimated using a function of the form: $L = a/v + b + c.v + d.v2$

Where:

L = consumption, expressed in litres per kilometre;

v = average speed in kilometres per hour; and

a, b, c, d are parameters defined for each vehicle category.

The revised fuel consumption aggregated equation for WebTAG vehicle groups was derived (TRL unpublished report "Fuel Consumption Equations" dated 29 September 2008) using the results from the New UK Road Vehicle Emission .

Parameters for each vehicle category are set out in Tab;e A 1.3.8 of WebTAG as shown on Table 1 below.

Table 1 - WebTAG – Fuel consumption parameter values				
	Fuel consumption parameter values (litres per km, 2010)			
	Parameters			
Vehicle Category	**a**	**b**	**c**	**d**
Petrol Car	0.96402	0.04145	0.00005	2.01346E-06
Diesel Car	0.43709	0.05862	0.00052	4.12709E-06
Petrol LGV	1.55646	0.06425	0.00074	1.00552E-05
Diesel LGV	1.04527	0.05790	0.00043	8.02520E-06
OGV1	1.47737	0.24562	0.00357	3.06380E-05
OGV2	3.39070	0.39438	0.00464	3.59224E-05
PSV	4.11560	0.30646	0.00421	3.65263E-05
	Energy consumption parameter values (kWh per km, 2011)			
Electric Car Electric LGV Electric OGV1 Electric OGV2 Electric PSV	0.12564			

The DfT have developed a carbon tool to allow local authorities to assess the potential effects of transport interventions on carbon emissions in their area. The tool will output results on the total change in carbon emissions. The Scheme details are entered into the tool and include the time period, type of road, type of area, region and year affected. Affected modes are selected and default vehicle mix is used based on speed curves from national derived data. For each affected mode the daily distance and number of vehicles is entered. The vehicle speeds before and after intervention are recorded. This will generate the CO_2 emisions before and after intervention.

3.8 PROFIT / LOSS

The Scheme profit / loss is made up of the staff and operational costs and Permit fees received. The maximum charge per Permit type is shown on Table 2 below. The Authority sets their own fee structure reflecting on the potential number of Permits and operational costs.

The operational cost includes the additional staff administering and co-ordinating Permit Applications which includes Street Work Officers, Street Work Co-ordinators and Manager(s).

Table 2 - Statutory Permit Fee rates

Revised maximum fee structure for each category of works and for a hierarchy of main and minor roads - Road category refers to the reinstatement category of the street under the New Roads and Street Works Act 1991

Work Type	**Road Category 0-2 or Traffic-sensitive**	**Road Category 3-4 and non traffic-sensitive**
Provisional Advance	£105	£75
Major works – over 10 days and all major works requiring a traffic regulation order.	£240	£150
Major works – 4 to 10 days	£130	£75
Major works – up to 3 days	£65	£45
Activity Standard	£130	£75
Activity Minor	£65	£45
Immediate Activity	£60	£40
Permit Variation	£45	£35

The profit loss is the Permit fee revenue minus the costs. The result will enable the authority to understand if they are applying the correct fee structure or need to review staff levels.

3.9 Report Structure

This report summarises available key data. After the Executive Summary and findings the report is set out as follows:

- APPENDIX 1 - EVALUATION BACKGROUND
- APPENDIX 2 - KEY PERFORMANCE INDICATOR DATA
- APPENDIX 2a - HAUC TPI MEASURES
- APPENDIX 2b - PERMIT APPLICATIONS DATA
- APPENDIX 2c - AUTHORITY MEASURES
- APPENDIX 3 – COSTS, INCOME and DISCOUNTS

4 APPENDIX 2 - KEY PERFORMANCE INDICATOR DATA

The primary KPIs are;

4.1 KPI 1

The number of Permit and Permit variation applications received, the number granted and the number refused.

Table 3 below shows a breakdown of Permit applications received granted and refused. The data shows that 22% of Permits were refused and under 1% where deemed as in not responded within the required time.

Data is further broken down into Permit applications received, granted and refused related to Highway Authority works and Utilities works on Table 4 below. The data shows that 23% of applications were refused from the Highway Authority and 21% from Utilities.

Table 3 KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded										
Year 1	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
Total	59,060	20,874	46,327	16,796	12,726	4,073	7	5	3,937	1,179
Percentage			78%	80%	22%	20%	0%	0%	7%	6%

Table 4 KPI 1 Permit Applications by Promoter			
Year 1			
Promoters	**Total Permit Applications**	**Total Applications Granted**	**Total Applications Refused**
Highway Authority	12,699	9,718	2,981
		77%	23%
Utility	46,343	36,598	9,745
		79%	21%

Table 5(a) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
AboveNet	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	4	2	4	1	-	1	-	-	-	-
	0%	0%	100%	50%	0%	50%	0%	0%	0%	0%

Table 5(b) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
Affinity Water	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	4978	1262	4046	1016	747	182	-	1	126	53
	11%	8%	81%	81%	15%	14%	0%	0%	3%	4%

Table 5(c) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
Anglian Water	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	7165	2108	5314	1574	1447	406	-	2	288	106
	16%	13%	74%	75%	20%	19%	0%	0%	4%	5%

Table 5(d) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
Bedford UA	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	2	0	2	0	0	0	-	-	-	-
	0%	0%	100%	-	0%	-	0%	-	0%	-

Table 5(e) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
BT	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	11137	3227	7952	2429	3035	681	3	-	86	63
	24%	20%	71%	75%	27%	21%	0%	0%	1%	2%

Table 5(f) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
Cable & Wireless	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	2	0	0	0	2	0	-	-	-	-
	0%	0%	0%	-	100%	-	0%	-	0%	-

Table 5(g) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Concept Solutions People Ltd	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	16	13	6	3	7	4	-	-	3	6
	0%	0%	38%	23%	44%	31%	0%	0%	19%	46%

Table 5(h) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
DfT	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	3	2	2	1	1	1	-	-	-	-
	0%	0%	67%	50%	33%	50%	0%	0%	0%	0%

Table 5(i) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
ES Pipelines Ltd	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	73	67	39	49	31	17	-	-	3	1
	0%	0%	53%	73%	42%	25%	0%	0%	4%	1%

Table 5(k) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Essex County Council	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	16398	6425	9718	4731	2981	1099	-	1	201	493
	36%	40%	59%	74%	18%	17%	0%	0%	1%	8%

Table 5(l) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Essex and Suffolk Water	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	6459	2017	2625	1588	633	311	-	-	201	98
	14%	13%	41%	79%	10%	15%	0%	0%	3%	5%

Table 5(m) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Fulcrum Pipelines Ltd	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	119	118	52	67	62	40	-	-	4	10
	0%	1%	44%	57%	52%	34%	0%	0%	3%	8%

Table 5(n) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
GTC	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	146	174	86	110	74	48	-	-	7	15
	0%	1%	59%	63%	51%	28%	0%	0%	5%	9%

Table 5(o) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Gigaclear	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	104	82	85	63	14	14	-	-	6	3
	0%	1%	82%	77%	13%	17%	0%	0%	6%	4%

Table 5(p) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Global Crossing	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	4	3	1	3	1	0	-	-	2	-
	0%	0%	25%	100%	25%	0%	0%	0%	50%	0%

Table 5(q) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Hartlepool Water	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	1	0	1	0	0	0	-	-	-	-
	0%	0%	100%	-	0%	-	0%	-	0%	-

Table 5(r) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
INGN Ltd	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	2	2	0	2	2	0	-	-	-	-
	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%

Table 5(s) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
Interoute	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	8	10	4	7	3	1	-	-	1	2
	0%	0%	50%	70%	38%	10%	0%	0%	13%	20%

Table 5(t) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
London Transport	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	16	6	8	5	6	1	-	-	2	-
	0%	0%	50%	83%	38%	17%	0%	0%	13%	0%

Table 5(u) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
National Grid Electric	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	2	0	1	0	1	0	-	-	-	-
	0%	0%	50%	-	50%	-	0%	-	0%	-

Table 5(v) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
National Grid Gas	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	4426	2216	3437	1653	867	434	-	1	155	107
	10%	14%	78%	75%	20%	20%	0%	0%	4%	5%

Table 5(w) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Network Rail	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	145	75	87	52	51	21	-	-	3	-
	0%	0%	60%	69%	35%	28%	0%	0%	2%	0%

Table 5(x) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Orange	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	13	10	10	7	3	1	-	-	-	1
	0%	0%	77%	70%	23%	10%	0%	0%	0%	10%

Table 5(y) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
Romec	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	39	20	26	13	10	6	-	-	3	1
	0%	0%	67%	65%	26%	30%	0%	0%	8%	5%

Table 5(z) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
Southern Electric	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	1	1	1	1	0	0	-	-	-	-
	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%

Table 5(aa) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
SSE	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	6	1	2	1	4	0	-	-	3	-
	0%	0%	33%	100%	67%	0%	0%	0%	50%	0%

Table 5(ab) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Telefonica	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	69	78	29	43	31	17	-	-	9	16
	0%	0%	42%	55%	45%	22%	0%	0%	13%	21%

Table 5(ac) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Thames Water	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	1944	692	1562	538	329	125	-	-	49	21
	4%	4%	80%	78%	17%	18%	0%	0%	3%	3%

Table 5(ad) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
T Mobile	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	87	71	46	40	37	25	-	-	4	5
	0%	0%	53%	56%	43%	35%	0%	0%	5%	7%

Table 5(ae) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
TfL	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	3	0	2	0	1	0	-	-	-	-
	0%	0%	67%	-	33%	-	0%	-	0%	-

Table 5(af) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
UKPN	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	4983	2623	3918	2033	774	432	1	-	306	134
	11%	16%	79%	78%	16%	16%	0%	0%	6%	5%

Table 5(ag) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
Virgin Media	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	3652	997	2865	750	638	201	1	-	134	40
	8%	6%	78%	75%	17%	20%	0%	0%	4%	4%

Table 5(ah) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
	Year 1									
Vodafone	**Applications Received**	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	30	15	14	10	16	3	-	-	-	1
	0%	0%	47%	-	53%	20%	0%	0%	0%	7%

Table 5(ai) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Vtesse Networks Ltd	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	1	4	1	2	0	0	-	-	-	2
	0%	0%	100%	-	0%	0%	0%	0%	0%	50%

Table 5(aj) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Waltham Forest LB	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	1	1	0	1	0	0	-	1	-	-
	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%

Table 5(ak) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Zayo Group UK Ltd	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	2	1	2	0	0	1	-	-	-	-
	0%	0%	100%	-	0%	100%	0%	0%	0%	0%

Table 5(al) KPI 1 The number of permit and permit variation applications received, the number granted and the number refused, deemed and superseded by Promoter										
Promoter										
Total	**Year 1**									
	Applications Received	**Variations Received**	**Applications Granted**	**Variations Granted**	**Applications Refused**	**Variations Refused**	**Applications Deemed**	**Variations Deemed**	**Applications Superseded**	**Variations Superseded**
	45,649	15,902	32,233	12,064	8,828	2,975	No Data	No Data	No Data	No Data

le 6(a) KPI 1 The number of permit and permit variation granted, number refused, deemed superseded and cancelled for Category 0-2 and Traffic Sensitive Streets for Utility Works by Activity type																		
Year 1																		
Activity Type	**Permit App Granted**		**Permit App Refused**		**Variation Granted**		**Variation Refused**		**Deemed Permit Applications**		**Superseded Applications**		**Deemed Permit Variations**		**Superseded Variations**		**Cancelled /Aborted**	
	No.	**%**	**No.**	**%**	**No.**	**%**	**No.**	**%**	**No.**	**%**	**No.**	**%**	**No.**	**%**	**No.**	**%**	**No.**	**%**
Provisional Advance	236	3%	286	7%	N/A		N/A		-	0%	59	12%	N/A		N/A		No Data	
Major	114	2%	86	2%	154	3%	78	6%	-	0%	9	0%	-	0%	26	2%	No Data	
Standard	673	9%	896	21%	1,093	24%	449	32%	1	25%	58	12%	1	33%	81	25%	No Data	
Minor	3,949	55%	3,063	70%	2,476	55%	773	55%	3	75%	289	60%	2	67%	176	53%	No Data	
Immediate	2,215	31%	36	1%	799	18%	111	8%	-	0%	63	13%	-	0%	46	14%	No Data	
Total	**7,187**		**4,367**		**4,522**		**1,411**		**4**		**478**		**3**		**329**		**-**	

Table 7(a) KPI 1 The number of permit and permit variation granted, number refused, deemed superseded and cancelled for Category 3-4 Non Traffic Sensitive Streets for Utility Works by Activity type

Year 1

Activity Type	Permit App Granted		Permit App Refused		Variation Granted		Variation Refused		Deemed Permit Applications		Superseded Applications		Deemed Permit Variations		Superseded Variations		Cancelled / Aborted	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Provisional Advance	1,415	5%	786	15 %	N/A		N/A		-	0%	102	11 %	N/A		N/A		No Data	
Major	751	3%	396	7%	683	9%	242	15 %	-	0%	43	5%	-	0%	50	14 %	No Data	
Standard	2,360	8%	849	16 %	1,419	19 %	411	26 %	-	0%	114	12 %	-	0%	68	19 %	No Data	
Minor	16,792	57 %	3,241	60 %	3,920	52 %	806	52 %	-	0%	521	57 %	-	0%	168	47 %	No Data	
Immediate	8,097	28 %	106	2%	1,516	20 %	104	7%	1	100 %	139	15 %	1	100 %	69	19 %	No Data	
Total	**29,415**		**5,378**		**7,538**		**1,563**		**1**		**919**		**1**		**355**			

Table 8(a) KPI 1 The number of permit and permit variation granted, number refused, deemed superseded and cancelled for Utility Works by Activity type

Year 1

Activity Type	Permit App Granted		Permit App Refused		Variation Granted		Variation Refused		Deemed Permit Applications		Superseded Applications		Deemed Permit Variations		Superseded Variations		Cancelled / Aborted	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Provisional Advance	1,651	0	1,072	0	N/A	-	N/A	-	-	-	161	0	N/A	-	N/A	-	No Data	
Major	865	0	482	0	837	0	320	0	-	-	52	0	-	-	76	0	No Data	
Standard	3,033	0	1,745	0	2,512	0	860	1	1	0	172	0	1	0	149	0	No Data	
Minor	20,741	1	6,304	1	6,396	1	1,579	1	3	1	810	1	2	1	344	1	No Data	
Immediate	10,312	1	142	0	2,315	0	215	0	1	1	202	0	1	1	115	0	No Data	
Total	36,602	-	9,745	-	12,060	-	2,974	-	5	-	1,397	-	4	-	684	-		

Table 9(a) KPI 1 The number of permit and permit variation granted, number refused, deemed superseded and cancelled for Category 0-2 and Traffic Sensitive Streets for Highway Works by Activity type

Year 1

Activity Type	Permit App Granted		Permit App Refused		Variation Granted		Variation Refused		Deemed Permit Applications		Superseded Applications		Deemed Permit Variations		Superseded Variations		Cancelled / Aborted	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Provisional Advance	517	7%	343	8%	N/A		N/A		-	0%	212	44%	N/A		N/A		No Data	
Major	218	3%	83	2%	173	4%	44	3%	-	0%	15	0%	-	0%	31	2%	No Data	
Standard	184	3%	179	4%	230	5%	84	6%	-	0%	35	7%	-	0%	33	10 %	No Data	
Minor	1,811	25%	929	21 %	1,709	38 %	455	32 %	1	25 %	761	159 %	-	0%	228	69 %	No Data	
Immediate	160	2%	10	0%	20	0%	2	0%	-	0%	5	1%	-	0%	1	0%	No Data	
Total	**2,890**		**1,544**		**2,132**		**585**		**1**		**1,028**		**-**		**293**		**-**	

Table 10(a) KPI 1 The number of permit and permit variation granted, number refused, deemed superseded and cancelled for Category 3-4 Non Traffic Sensitive Streets for Highway Works by Activity type

Year 1

Activity Type	Permit App Granted		Permit App Refused		Variation Granted		Variation Refused		Deemed Permit Applications		Superseded Applications		Deemed Permit Variations		Superseded Variations		Cancelled / Aborted	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Provisional Advance	1,494	21%	623	14%	N/A		N/A		-	0%	290	32%	N/A		N/A		No Data	
Major	773	11%	202	5%	325	7%	116	8%	-	0%	41	1%	1	0%	16	1%	No Data	
Standard	511	7%	132	3%	338	7%	89	6%	-	0%	128	14%	-	0%	38	11%	No Data	
Minor	3,850	54%	466	11%	1,923	43%	306	22%	1	100%	1,050	114%	-	0%	146	41%	No Data	
Immediate	200	3%	14	0%	13	0%	3	0%	-	0%	2	0%	-	0%	-	0%	No Data	
Total																		

Table 11(a) KPI 1 The number of permit and permit variation granted, number refused, deemed superseded and cancelled for Highway Works by Activity type

Year 1

Activity Type	Permit App Granted		Permit App Refused		Variation Granted		Variation Refused		Deemed Permit Applications		Superseded Applications		Deemed Permit Variations		Superseded Variations		Cancelled / Aborted	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Provisional Advance	2,011	0	966	0	N/A	-	N/A	-	-	-	502	1	N/A	-	N/A	-	No Data	
Major	991	0	285	0	498	0	160	0	-	-	56	0	1	0	47	0	No Data	
Standard	695	0	311	0	568	0	173	0	-	-	163	0	-	-	71	0	No Data	
Minor	5,661	1	1,395	0	3,632	1	761	1	2	1	1,811	3	-	-	374	1	No Data	
Immediate	360	0	24	0	33	0	5	0	-	-	7	0	-	-	1	0	No Data	
Total	2,890	-	1,544	-	2,132	-	585	-	1	-	1,028	-	-	-	293	-		

Table 12(a) KPI 1 The number of permit and permit variation granted, number refused, deemed superseded and cancelled for Category 0-2 and Traffic Sensitive Streets for All Works by Activity type

Year 1

Activity Type	Permit App Granted		Permit App Refused		Variation Granted		Variation Refused		Deemed Permit Applications		Superseded Applications		Deemed Permit Variations		Superseded Variations		Cancelled / Aborted	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Provisional Advance	753	10%	629	14%	N/A		N/A		-	0%	271	57%	N/A		N/A		No Data	
Major	332	5%	169	4%	327	7%	122	9%	-	0%	24	1%	-	0%	57	4%	No Data	
Standard	857	12%	1,075	25%	1,323	29%	533	38%	1	25%	93	19%	1	33 %	114	35%	No Data	
Minor	5,760	80%	3,992	91%	4,185	93%	1,228	87%	4	100%	1,050	220%	2	67 %	404	123 %	No Data	
Immediate	2,375	33%	46	1%	819	18%	113	8%	-	0%	68	14%	-	0%	47	14%	No Data	
Total	**10,077**		**5,911**		**6,654**		**1,996**		**5**		**1,506**		**3**		**622**			

Table 13(a) KPI 1 The number of permit and permit variation granted, number refused, deemed superseded and cancelled for Category 3-4 Non Traffic Sensitive Streets for All Works by Activity type

Year 1

Activity Type	Permit App Granted		Permit App Refused		Variation Granted		Variation Refused		Deemed Permit Applications		Superseded Applications		Deemed Permit Variations		Superseded Variations		Cancelled / Aborted	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Provisional Advance	2,909	40%	1,409	32%	N/A		N/A		-	0%	392	43%	N/A		N/A		No Data	
Major	1,524	21%	598	14%	1,008	22%	358	25 %	-	0%	84	2%	1	0%	66	4%	No Data	
Standard	2,871	40%	981	22%	1,757	39%	500	35 %	-	0%	242	26%	-	0%	106	30%	No Data	
Minor	20,642	287%	3,707	85%	5,843	129%	1,112	79 %	1	100%	1,571	171%	-	0%	314	88%	No Data	
Immediate	8,297	115%	120	3%	1,529	34%	107	8%	1	100%	141	15%	1	100%	69	19%	No Data	
Total	**36,243**		**6,815**		**10,137**		**2,077**		**2**		**2,430**		**2**		**555**			

Table 14(a) KPI 1 The number of permit and permit variation granted, number refused, deemed superseded and cancelled for All Works by Activity type

Year 1

Activity Type	Permit App Granted		Permit App Refused		Variation Granted		Variation Refused		Deemed Permit Applications		Superseded Applications		Deemed Permit Variations		Superseded Variations		Cancelled / Aborted	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Provisional Advance	3,662	1	2,038	0	N/A	-	N/A	-	-	-	663	1	N/A	-	N/A	-	No Data	
Major	1,856	0	767	0	1,335	0	480	0	-	-	108	0	1	0	123	0	No Data	
Standard	3,728	1	2,056	0	3,080	1	1,033	1	1	0	335	0	1	0	220	1	No Data	
Minor	26,402	4	7,699	2	10,028	2	2,340	2	5	2	2,621	4	2	1	718	2	No Data	
Immediate	10,672	1	166	0	2,348	1	220	0	1	1	209	0	1	1	116	0	No Data	
Total	46,320	-	12,726	-	16,791	-	4,073	-	7	-	3,936	-	5	-	1,177	-		

4.2 KPI 2 - The number of conditions applied by condition type.

Table 15 shows that over 17,000 conditions with the highest being time constraints, work methodology and traffic space dimensions.

97% of conditions attached to applications were attached to Utility works.

Conditions are attached to applications by the Works Promoter or when requested by the Permit Authority and help deliver the Permit Scheme objectives and societal benefits.

Table 15 KPI 2 The number of conditions applied by condition type

Number	Condition	Year 1			Year 2			Year 3		
		Utility Works	Highway Authority Works	Total	Utility Works	Highway Authority Works	Total	Utility Works	Highway Authority Works	Total
1	Date Constraints	No Data	No Data	6752						
2	Time Constraints	No Data	No Data	19957						
3	Out of Hours Work	No Data	No Data	4804						
4	Material and Plant Storage	No Data	No Data	4401						
5	Road Occupation Dimensions	No Data	No Data	3314						
6	Traffic Space Dimensions	No Data	No Data	15981						
7	Road Closure	No Data	No Data	4137						
8	Light Signals and Shuttle Working	No Data	No Data	9005						
9	Traffic Management Changes	No Data	No Data	6955						
10	Work Methodology	No Data	No Data	4847						
11	Consultation and Publicity	No Data	No Data	9236						
12	Environmental	No Data	No Data	1072						
13	Local	No Data	No Data	500						
	Total	-	-	90,961						

4.3 KPI 3 - The number of approved extensions

Table 16 below shows the number of agreed extensions and is when the original agreed time constraint condition is extended. It can be seen that at the start of the Scheme that for highway authority works this was at the highest but diminished to zero in some months showing an improvement. This did not follow with utility works the extensions at the same level or increasing. There could be a number of reasons for utility works being extended and include poor programming or unforeseen circumstances such as leaking pipes and poor reinstatements. These instances should be reduced as contribute to further delay and are negative to the objective to the Scheme. Further analysis would identify what Permit types have required extensions. Minor works are of short duration and unlikely to require extension with major works having more delays on different phases.

Table 16 KPI 3 The number of approved extensions									
Period	Year 1			Year 2			Year 3		
	Agreed Extensions			Agreed Extensions			Agreed Extensions		
	Highway Authority	Utilities	Total	Highway Authority	Utilities	Total	Highway Authority	Utilities	Total
Apr-15	No Data	No Data							
May-15	No Data	No Data							
Jun-15	No Data	No Data							
Jul-15	No Data	No Data							
Aug-15	No Data	No Data							
Sep-15	No Data	No Data							
Oct-15	No Data	No Data							
Nov-15	No Data	No Data							
Dec-15	No Data	No Data							
Jan-16	No Data	No Data							
Feb-16	No Data	No Data							
Mar-16	No Data	No Data							
Total	-	-	-						

KPI 7 - Number of inspections carried out to monitor conditions

This KPI is broken down by promoter and shown as the number of sample permit condition checks carried out as a percentage of the number of permits issued.

In addition, the percentage of sample inspections by Promoter will also be shown.

Table 17(a) KPI 7 Number of inspections carried out to monitor conditions

Promoter	Year 1			Year 2			Year 3		
	Passed	Non-Compliant	Total	Passed	Non-Compliant	Total	Passed	Non-Compliant	Total
AFFINITY WATER - E	96	21	117						
AFFINITY WATER, AMEY MAINTENANCE& REPAIR	269	31	300						
AFFINITY WATER, BALFOUR BEATTY REP AND MAINT	0	1	1						
AFFINITY WATER, DLO / FT	6	1	7						
AFFINITY WATER, ENTERPRISE MAINS RENEWAL	41	8	49						
Anglian Water - All Areas	2	0	2						
AW SURVEY CO-ORDINATION	1	0	1						
AWH Utility Services Ltd on behalf of ES Pipelines	5	1	6						
AWS ALLIANCE	1	0	1						
AWS Balfour Beatty-One Alliance Capital Works	1	0	1						
AWS Barhale - One Alliance Capital Works	23	6	29						
AWS Claret C .E.-Water Recycling Maint& Repair	1	0	1						
AWS Keir Metering work	0	1	1						
AWS Keir MG RMDS	4	5	9						
AWS Kier - Water Maint& Repair	257	63	320						
AWS Kier MG Ltd-Metering& Dev Services	50	23	73						
AWS Morrison-Operational Solution	1	1	2						

Table 17(b) KPI 7 Number of inspections carried out to monitor conditions									
Promoter	**Year 1**			**Year 2**			**Year 3**		
	Passed	**Non-Compliant**	**Total**	**Passed**	**Non-Compliant**	**Total**	**Passed**	**Non-Compliant**	**Total**
AWS Norfolk Area Fire Hydrant	5	1	6						
AWS Public Sewer Services -WR Maint& Repair	99	20	119						
AWS RES ppmjetting (RES)	7	1	8						
British Gas New Housing Connections on behalf of E	1	0	1						
BT	977	244	1221						
Cambridge	20	2	22						
Capital Delivery - Clean Water North - SMB	3	2	5						
Centara Ltd for Concept Solutions People Ltd	2	1	3						
Clean R&M - Eastern North - Agility	186	19	205						
Clean R&M - Eastern North - Cappagh Browne	6	0	6						
Colchester	389	130	519						
COLCHESTER BOROUGH COUNCIL	0	1	1						
Customer Side Leakage - North London - EWS	25	0	25						
Developer Services - Eastern North - Agility	2	4	6						
DISTRICT METERING - AGILITY	1	0	1						
Dragon Infrastructure Solutions	0	1	1						
Dragon Infrastructure Solutions on behalf of ES Pi	0	1	1						

Table 17(c) KPI 7 Number of inspections carried out to monitor conditions									
Promoter	**Year 1**			**Year 2**			**Year 3**		
	Passed	**Non-Compliant**	**Total**	**Passed**	**Non-Compliant**	**Total**	**Passed**	**Non-Compliant**	**Total**
Eastern Power Networks plc	115	22	137						
Enfield	34	9	43						
ESSEX (DL) R & M	1306	136	1442						
ESSEX CC - HIGHWAYS	0	1	1						
Essex County Council - Work Promoter	48	42	90						
ESSEX HIGHWAYS (Street Lighting)	3	2	5						
ESSEX PROJECT DELIVERY	19	4	23						
Express Pipe Laying& Repairs Ltd on behalf of ES P	2	4	6						
Fulcrum Pipelines Limited	4	2	6						
Fulcrum Utility Services	5	8	13						
FUS Region 1	3	1	4						
GEO District	0	1	1						
Gigaclear (Allcom)	2	1	3						
GTC - EPL$R	3	0	3						
GTC - EPL$R-GTC direct	5	4	9						
GTC - Power On Connections	11	7	18						
GTC - Triconnex	2	2	4						

Table 17(d) KPI 7 Number of inspections carried out to monitor conditions									
Promoter	**Year 1**			**Year 2**			**Year 3**		
	Passed	**Non-Compliant**	**Total**	**Passed**	**Non-Compliant**	**Total**	**Passed**	**Non-Compliant**	**Total**
GTC Pipelines Ltd	0	1	1						
H2O/Metrorod - Waste	1	0	1						
Hemel Hempstead	1	0	1						
Interoute (Davies Utility Services)	1	2	3						
Lanes Group PLC - Waste	17	5	22						
Mansell working on behalf of Orange PCS Group	1	0	1						
NATIONAL NOTICING DEPARTMENT	33	29	62						
NG - East of England Network EALDZ	493	137	630						
NG - London Network NLLDZ	515	136	651						
North East London	17	9	26						
NR-SE PM STRUCTURES EXAM& ASSESSMT	0	1	1						
O2 (Galliford Try)	3	0	3						
O2(Clarke Telecom)	2	0	2						
Purfleet	253	48	301						
T-Mobile Ltd (Babcock International)	1	1	2						
T-Mobile Ltd - Beacon Comms	3	1	4						
T-Mobile Ltd - Daly International	1	0	1						
T-Mobile Ltd - Hartwood Services	1	0	1						
TRICONNEX LTD	1	3	4						
TriConnex on behalf of ES Pipelines	6	5	11						
Grand Total	**5393**	**1213**	**6606**						

5 APPENDIX 2a - HAUC TPI MEASURES

5.1 TPI 1 Works Phases Started (Base Data)

Table 18 TPI 1 Works Phases Started (Base Data) by Promoter						
Year 1						
Activity Type	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
All Promoters	1,837	4,261	26,095	6,032	4,881	43,106
Highway Authority	747	675	6,127	139	216	7,904
Utilities	1,090	3,586	19,968	5,893	4,665	35,202

Table 19 TPI 1 Works Phases Started (Base Data) for Highway Authority Works by Reinstatement Category						
Year 1						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
Other F/way	No Data	No Data	No Data	No Data	No Data	

5.2 TPI 2 Works Phases Completed (Base Data)

Table 20 TPI 1 Works Phases Started (Base Data) for Utility Works by Reinstatement Category						
Year 1						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
Other F/way	No Data	No Data	No Data	No Data	No Data	

Table 21 TPI 2 Works Phases Completed (Base Data) by Promoter						
Year 1						
Activity Type	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
All Promoters	1,720	4,214	25,977	5,998	4,865	42,774
Highway Authority	663	645	6,042	98	182	7,630
Utilities	1,057	3,569	19,935	5,900	4,683	35,144

Table 22 TPI 2 Works Phases Completed (Base Data) for Highway Authority Works by Reinstatement Category						
Year 1						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
Other F/way	No Data	No Data	No Data	No Data	No Data	

Table 23 TPI 2 Works Phases Completed (Base Data) for Utility Works by Reinstatement Category						
Year 1						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
Other F/way	No Data	No Data	No Data	No Data	No Data	

5.3 TPI 3 Days of Occupancy Phases Completed

Table 24 TPI 3 Days Of Occupancy Phases Completed by Promoter						
Year 1						
Activity Type	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
All Promoters	50,329	56,048	125,063	80,396	116,739	428,575
Highway Authority	19,456	25,364	60,373	51,571	93,289	250,053
Utilities	30,873	30,684	64,690	28,825	23,450	178,522

Table 25(a) TPI 3 Days Of Occupancy Phases Completed for Highway Authority Works by Reinstatement Category and Traffic Sensitivity Street						
Year 1						
Traffic Sensitive						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
HA f/way	No Data	No Data	No Data	No Data	No Data	
HD f/way	No Data	No Data	No Data	No Data	No Data	
Other f/way	No Data	No Data	No Data	No Data	No Data	
Non Traffic Sensitive						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
HA f/way	No Data	No Data	No Data	No Data	No Data	
HD f/way	No Data	No Data	No Data	No Data	No Data	
Other f/way	No Data	No Data	No Data	No Data	No Data	

Table 26(a) TPI 3 Days Of Occupancy Phases Completed for Utility Works by Reinstatement Category and Traffic Sensitivity Street						
Year 1						
Traffic Sensitive						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
HA f/way	No Data	No Data	No Data	No Data	No Data	
HD f/way	No Data	No Data	No Data	No Data	No Data	
Other f/way	No Data	No Data	No Data	No Data	No Data	
Non Traffic Sensitive						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
HA f/way	No Data	No Data	No Data	No Data	No Data	
HD f/way	No Data	No Data	No Data	No Data	No Data	
Other f/way	No Data	No Data	No Data	No Data	No Data	

5.4 TPI 4 Average Duration of Works Phases Completed

Table 27 TPI 4 Average Duration of Works Phases Completed by Promoter by Activity Type						
Activity Type	Year 1		Year 2		Year 3	
	Highway Authority	Utility	Highway Authority	Utility	Highway Authority	Utility
Major	9.0	26.6				
Standard	6.9	8.2				
Minor	1.8	2.4				
Immediate - Urgent	18.3	4.5				
Immediate - Emergency	9.7	4.7				

5.5 TPI 5 Phases Completed on time

Table 28 TPI 5 Phases Completed on time by Promoter						
Year 1						
Activity Type	Major	Standard	Minor	Urgent	Emergency	Total
All Promoters	801	1,498	1,093	3,424	1,361	8,177
Highway Authority	450	227	639	2,335	1,256	4,907
Utilities	351	1,271	454	1,089	105	3,270

5.6 TPI 6 Number of deemed Permit applications

Table 29 TPI 6 Number of deemed permit applications by Promoter					
Year 1		**Year 2**		**Year 3**	
Highway Authority	**Utility**	**Highway Authority**	**Utility**	**Highway Authority**	**Utility**
1	5	No Data	No Data	No Data	No Data

5.7 TPI 7 Number of Phase One Permanent Registrations

Table 30 TPI 7 Number of Phase One Permanent Registrations by Promoter						
Year 1						
Activity Type	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
All Promoters	662	2,720	6,872	4,521	3,948	18,723
Highway Authority	-	194	33	19	17	263
Utilities	662	2,526	6,839	4,502	3,931	18,460

Table 31(a) TPI 7 Number of Phase One Permanent Registrations for Highway Authority Works by Reinstatement Category and Traffic Sensitivity Street						
Year 1						
Traffic Sensitive						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
HA f/way	No Data	No Data	No Data	No Data	No Data	
HD f/way	No Data	No Data	No Data	No Data	No Data	
Other f/way	No Data	No Data	No Data	No Data	No Data	
Non Traffic Sensitive						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
HA f/way	No Data	No Data	No Data	No Data	No Data	
HD f/way	No Data	No Data	No Data	No Data	No Data	
Other f/way	No Data	No Data	No Data	No Data	No Data	

Table 32(a) TPI 7 Number of Phase One Permanent Registrations for Utility Works by Reinstatement Category and Traffic Sensitivity Street						
Year 1						
Traffic Sensitive						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
HA f/way	No Data	No Data	No Data	No Data	No Data	
HD f/way	No Data	No Data	No Data	No Data	No Data	
Other f/way	No Data	No Data	No Data	No Data	No Data	
Other f/way	No Data	No Data	No Data	No Data	No Data	
Non Traffic Sensitive						
Reinstatement Category	**Major**	**Standard**	**Minor**	**Urgent**	**Emergency**	**Total**
Cat 1	No Data	No Data	No Data	No Data	No Data	
Cat 2	No Data	No Data	No Data	No Data	No Data	
Cat 3	No Data	No Data	No Data	No Data	No Data	
Cat 4	No Data	No Data	No Data	No Data	No Data	
HA f/way	No Data	No Data	No Data	No Data	No Data	
HD f/way	No Data	No Data	No Data	No Data	No Data	
Other f/way	No Data	No Data	No Data	No Data	No Data	

6 APPENDIX 2b - PERMIT APPLICATIONS DATA

6.1 Number of PAA applications submitted

Table 33 Number of PAA applications submitted		
Year 1	**Year 2**	**Year 3**
5,700		

6.2 Number of PAA applications granted

Table 34 Number of PAA applications granted		
Year 1	**Year 2**	**Year 3**
3,662		

6.3 Number of PAA applications deemed

This information is not available at this time.

Table 35 Number of PAA applications deemed		
Year 1	**Year 2**	**Year 3**
No Data		

6.4 Number of “initial” permit applications submitted for a works phase

This information is not available at this time.

Table 36 Number of “initial” permit applications submitted for a works phase		
Year 1	**Year 2**	**Year 3**
No Data		

6.5 Number of Permit applications granted on first application submission

Table 37 Number of Permit applications granted on first application submission		
Year 1	**Year 2**	**Year 3**
42,390		

6.6 Number of “modified” applications submitted prior to Permit being granted or deemed

Table 38 Number of “modified” applications submitted prior to Permit being granted or deemed		
Year 1	**Year 2**	**Year 3**
3,937		

6.7 Number of Permit applications deemed

Table 39 Number of Permit applications deemed		
Year 1	**Year 2**	**Year 3**
7		

6.8 Number of applications cancelled prior to grant / deemed

Table 40 Number of applications cancelled prior to grant / deemed		
Year 1	**Year 2**	**Year 3**
No Data		

6.9 Number of granted / deemed Permits for which and Actual Start never occurred

Table 41 Number of granted / deemed Permits for which and Actual Start never occurred		
Year 1	**Year 2**	**Year 3**
No Data		

6.10 Number of Authority imposed variations / revokes

Table 42 Number of Authority imposed variations / revokes		
Year 1	**Year 2**	**Year 3**
4,073		

6.11 Number of Duration variations after works started

This information is not available at this time.

Table 43 Number of Duration variations after works started		
Year 1	**Year 2**	**Year 3**
No Data		

6.12 Number of Duration variations refused

This information is not available at this time.

Table 44 Number of Duration variations refused		
Year 1	**Year 2**	**Year 3**
No Data		

6.13 Number of Permit applications with “Collaboration indicator” set

This information is not available at this time.

Table 45 Number of Permit applications with “Collaboration indicator” set		
Year 1	**Year 2**	**Year 3**
No Data		

7 APPENDIX 2c - AUTHORITY MEASURES

7.1 AM 1 - Average duration of works

This information is not available at this time.

Table 46 AM 1 Average duration of works by permit type by Promoter by Activity Type						
Activity Type	Year 1		Year 2		Year 3	
	Highway Authority	Utility	Highway Authority	Utility	Highway Authority	Utility
Major	No Data	No Data				
Standard	No Data	No Data				
Minor	No Data	No Data				
Immediate - Urgent	No Data	No Data				
Immediate - Emergency	No Data	No Data				

7.2 AM 2 - Inspections

Table 47(a) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
AboveNet	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(b) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Affinity Water	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	474	62	13%

Table 47(c) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Anglian Water	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	2	-	-

Table 47(d) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Bedford UA	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(e) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
BT	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	1,221	244	20%

Table 47(f) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Cable & Wireless	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(g) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Concept Solutions People Ltd	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	3	1	33%

Table 47(h) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
DfT	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(i) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
ES Pipelines Ltd	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	18	7	39%

Table 47(j) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
ESP Electricity Ltd	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	6	4	67%

Table 47(k) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Essex County Council	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	96	45	47%

Table 47(l) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Essex and Suffolk Water	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(m) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Fulcrum Pipelines Ltd	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	13	8	62%

Table 47(n) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
GTC	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	35	14	40%

Table 47(o) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Gigaclear	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	3	1	33%

Table 47(p) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Global Crossing	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(q) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Hartlepool Water	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(r) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
INGN Ltd	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(s) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Interoute	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	3	2	67%

Table 47(t) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
London Transport	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(u) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
National Grid	**Year 1**											
	CAT A Done	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	1,281	273	21%

Table 47(v) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
Network Rail	**Year 1**											
	CAT A Done	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	1	1	100%

Table 47(w) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
Orange	**Year 1**											
	CAT A Done	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	1	-	0%

Table 47(x) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
Romec	**Year 1**											
	CAT A Done	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(z) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Southern Electric	CAT A Done	CAT A Fail	CAT A Failure Rate %	CAT B Done	CAT B Fail	CAT B Failure Rate %	CAT C Done	CAT C Fail	CAT C Failure Rate %	Total Inspections	Total Failure	Total Failure Rate %
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(aa) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
SSE	CAT A Done	CAT A Fail	CAT A Failure Rate %	CAT B Done	CAT B Fail	CAT B Failure Rate %	CAT C Done	CAT C Fail	CAT C Failure Rate %	Total Inspections	Total Failure	Total Failure Rate %
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(ab) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Telefonica	CAT A Done	CAT A Fail	CAT A Failure Rate %	CAT B Done	CAT B Fail	CAT B Failure Rate %	CAT C Done	CAT C Fail	CAT C Failure Rate %	Total Inspections	Total Failure	Total Failure Rate %
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(ac) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Thames Water	CAT A Done	CAT A Fail	CAT A Failure Rate %	CAT B Done	CAT B Fail	CAT B Failure Rate %	CAT C Done	CAT C Fail	CAT C Failure Rate %	Total Inspections	Total Failure	Total Failure Rate %
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(ad) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
T Mobile	**Year 1**											
	CAT A Done	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	8	2	25%
	Year 2											
	CAT A Done	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	Year 3											
	CAT A Done	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**

Table 47(ae) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
TfL	**Year 1**											
	CAT A Done	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-
	Year 2											
	CAT A Done	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	Year 3											
	CAT A Done	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**

Table 47(af) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
UKPN	CAT A Done	CAT A Fail	CAT A Failure Rate %	CAT B Done	CAT B Fail	CAT B Failure Rate %	CAT C Done	CAT C Fail	CAT C Failure Rate %	Total Inspections	Total Failure	Total Failure Rate %
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(ag) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Virgin Media	CAT A Done	CAT A Fail	CAT A Failure Rate %	CAT B Done	CAT B Fail	CAT B Failure Rate %	CAT C Done	CAT C Fail	CAT C Failure Rate %	Total Inspections	Total Failure	Total Failure Rate %
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(ah) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Vodafone	CAT A Done	CAT A Fail	CAT A Failure Rate %	CAT B Done	CAT B Fail	CAT B Failure Rate %	CAT C Done	CAT C Fail	CAT C Failure Rate %	Total Inspections	Total Failure	Total Failure Rate %
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(ai) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Vtesse Networks Ltd	CAT A Done	CAT A Fail	CAT A Failure Rate %	CAT B Done	CAT B Fail	CAT B Failure Rate %	CAT C Done	CAT C Fail	CAT C Failure Rate %	Total Inspections	Total Failure	Total Failure Rate %
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(aj) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Waltham Forest LB	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(ak) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Zayo Group UK Ltd	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	-	-	-	-	-	-	-	-	-	-	-	-

Table 47(al) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type												
Promoter												
	Year 1											
Total	**CAT A Done**	**CAT A Fail**	**CAT A Failure Rate %**	**CAT B Done**	**CAT B Fail**	**CAT B Failure Rate %**	**CAT C Done**	**CAT C Fail**	**CAT C Failure Rate %**	**Total Inspections**	**Total Failure**	**Total Failure Rate %**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	3,165	664	21%

7.3 AM 3 - Days of Disruption Saved/ Number of collaborative works

Table 48 AM 3 Days of Disruption Saved/ Number of collaborative works						
Type	Year 1		Year 2		Year 3	
	Number of Collaborative Works	Days Saved	Number of Collaborative Works	Days Saved	Number of Collaborative Works	Days Saved
Permit	181	No Data				
Trench Sharing	10	No Data				
Total	191					

7.4 AM 4 - Response Code

This information is not available at this time.

Table 49(a) AM 4 Response Code – broken down by promoter																								
Promoter																								
AboveNet	Year 1																							
	No	RE F01	RE F02	RE F03	RE F04	RE F05	RE F06	RE F07	RE F08	RE F09	RE F10	RE F11	RE F12	RE F13	RE F14	RE F15	RE F16	RE F17	RE F18	RE F19	RE F20	RE F21	RE F22	RE F23
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(b) AM 4 Response Code – broken down by promoter																								
Promoter																								
Affinity Water	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(c) AM 4 Response Code – broken down by promoter																								
Promoter																								
Anglian Water	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(d) AM 4 Response Code – broken down by promoter																								
Promoter																								
Bedford UA	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(e) AM 4 Response Code – broken down by promoter																								
Promoter																								
BT	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(f) AM 4 Response Code – broken down by promoter																								
Promoter																								
Cable & Wireless	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(g) AM 4 Response Code – broken down by promoter																								
Promoter																								
Concept	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(h) AM 4 Response Code – broken down by promoter	
Promoter	
	Year 1

	No	RE F01	RE F02	RE F03	RE F04	RE F05	RE F06	RE F07	RE F08	RE F09	RE F10	RE F11	RE F12	RE F13	RE F14	RE F15	RE F16	RE F17	RE F18	RE F19	RE F20	RE F21	RE F22	RE F23
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(i) AM 4 Response Code – broken down by promoter																								
Promoter																								
ES Pipelines Ltd	Year 1																							
	No	RE F01	RE F02	RE F03	RE F04	RE F05	RE F06	RE F07	RE F08	RE F09	RE F10	RE F11	RE F12	RE F13	RE F14	RE F15	RE F16	RE F17	RE F18	RE F19	RE F20	RE F21	RE F22	RE F23
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(j) AM 4 Response Code – broken down by promoter																								
Promoter																								
ESP Electricity Ltd	Year 1																							
	No	RE F01	RE F02	RE F03	RE F04	RE F05	RE F06	RE F07	RE F08	RE F09	RE F10	RE F11	RE F12	RE F13	RE F14	RE F15	RE F16	RE F17	RE F18	RE F19	RE F20	RE F21	RE F22	RE F23
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(k) AM 4 Response Code – broken down by promoter																								
Promoter																								
Essex County	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(l) AM 4 Response Code – broken down by promoter																								
Promoter																								
Essex and Suffolk	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(m) AM 4 Response Code – broken down by promoter																								
Promoter																								
Fulcrum Pipelines	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(n) AM 4 Response Code – broken down by promoter																								
Promoter																								
GTC	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(o) AM 4 Response Code – broken down by promoter																								
Promoter																								
Gigaclear	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(p) AM 4 Response Code – broken down by promoter																								
Promoter																								
Global Crossing	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(q) AM 4 Response Code – broken down by promoter																								
Promoter																								
Hartlepool Water	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(r) AM 4 Response Code – broken down by promoter																								
Promoter																								
INGN Ltd	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(s) AM 4 Response Code – broken down by promoter																								
Promoter																								
Interoute	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(t) AM 4 Response Code – broken down by promoter																								
Promoter																								
London Transport	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(u) AM 4 Response Code – broken down by promoter																								
Promoter																								
National Grid	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(v) AM 4 Response Code – broken down by promoter																								
Promoter																								
National Grid Gas	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(w) AM 4 Response Code – broken down by promoter																								
Promoter																								
Network Rail	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(x) AM 4 Response Code – broken down by promoter																								
Promoter																								
Orange	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(y) AM 4 Response Code – broken down by promoter																								
Promoter																								
Romec	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(z) AM 4 Response Code – broken down by promoter	
Promoter	
	Year 1

	No	RE F01	RE F02	RE F03	RE F04	RE F05	RE F06	RE F07	RE F08	RE F09	RE F10	RE F11	RE F12	RE F13	RE F14	RE F15	RE F16	RE F17	RE F18	RE F19	RE F20	RE F21	RE F22	RE F23
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(aa) AM 4 Response Code – broken down by promoter

Promoter																								
SSE	Year 1																							
	No	RE F01	RE F02	RE F03	RE F04	RE F05	RE F06	RE F07	RE F08	RE F09	RE F10	RE F11	RE F12	RE F13	RE F14	RE F15	RE F16	RE F17	RE F18	RE F19	RE F20	RE F21	RE F22	RE F23
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(ab) AM 4 Response Code – broken down by promoter

Promoter																								
Telefonica	Year 1																							
	No	RE F01	RE F02	RE F03	RE F04	RE F05	RE F06	RE F07	RE F08	RE F09	RE F10	RE F11	RE F12	RE F13	RE F14	RE F15	RE F16	RE F17	RE F18	RE F19	RE F20	RE F21	RE F22	RE F23
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(ac) AM 4 Response Code – broken down by promoter																								
Promoter																								
Thames Water	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(ad) AM 4 Response Code – broken down by promoter																								
Promoter																								
T Mobile	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(ae) AM 4 Response Code – broken down by promoter																								
Promoter																								
TfL	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(af) AM 4 Response Code – broken down by promoter																								
Promoter																								
UKPN	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(ag) AM 4 Response Code – broken down by promoter																								
Promoter																								
Virgin Media	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(ah) AM 4 Response Code – broken down by promoter																								
Promoter																								
Vodafone	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(ai) AM 4 Response Code – broken down by promoter																								
Promoter																								
Vtesse Networks	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(aj) AM 4 Response Code – broken down by promoter																								
Promoter																								
Waltham Forest LB	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(ak) AM 4 Response Code – broken down by promoter																								
Promoter																								
Zayo Group UK	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Table 49(al) AM 4 Response Code – broken down by promoter																								
Promoter																								
Total	**Year 1**																							
	No	**RE F01**	**RE F02**	**RE F03**	**RE F04**	**RE F05**	**RE F06**	**RE F07**	**RE F08**	**RE F09**	**RE F10**	**RE F11**	**RE F12**	**RE F13**	**RE F14**	**RE F15**	**RE F16**	**RE F17**	**RE F18**	**RE F19**	**RE F20**	**RE F21**	**RE F22**	**RE F23**
	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data	No Data

Response Codes have yet to be fully defined by the industry, although currently ECC's system provider does not allow this function.

7.5 AM 5 – FPNs (Permit Breaches)

Table 50 below shows the number of fixed penalty notices. Under section 74 (7B) failure to give a notice under regulation 74 (charge for occupation of the highway where works unreasonably delayed); under section 19 (1) working without a Permit and under 20 (1) Permit breaches. The Permit authority should work with promoters to reduce the number of FPN's.

Table 50(a) AM 5 FPNs (Permit Breaches) – broken down by promoter															
Promoter															
AboveNet	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
Affinity Water	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
Anglian Water	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
Bedford UA	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
BT	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										

Table 50(b) AM 5 FPNs (Permit Breaches) – broken down by promoter															
Promoter															
Cable & Wireless	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
oncept Solutions People Ltd	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
DfT	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
ES Pipelines Ltd	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
ESP Electricity Ltd	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										

Table 50(c) AM 5 FPNs (Permit Breaches) – broken down by promoter															
Promoter															
Essex County Council	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	19	65	84										
Essex and Suffolk Water	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
Fulcrum Pipelines Ltd	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
GTC	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
Gigaclear	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										

Table 50(d) AM 5 FPNs (Permit Breaches) – broken down by promoter															
Promoter															
Global Crossing	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
Hartlepool Water	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
INGN Ltd	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
Interoute	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
London Transport	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										

Table 50(e) AM 5 FPNs (Permit Breaches) – broken down by promoter																
Promoter																
National Grid Electric	**Year 1**					**Year 2**					**Year 3**					
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
National Grid Gas	**Year 1**					**Year 2**					**Year 3**					
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
Network Rail	**Year 1**					**Year 2**					**Year 3**					
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
Orange	**Year 1**					**Year 2**					**Year 3**					
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
Romec	**Year 1**					**Year 2**					**Year 3**					
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										

Table 50(f) AM 5 FPNs (Permit Breaches) – broken down by promoter															
Promoter															
Southern Electric	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
SSE	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
Telefonica	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
Thames Water	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
T Mobile	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										

Table 50(g) AM 5 FPNs (Permit Breaches) – broken down by promoter															
Promoter															
TfL	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
UKPN	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
Virgin Media	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
Vodafone	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										
Vtesse Networks Ltd	Year 1					Year 2					Year 3				
	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total	70(6)	74(7B)	19(1)	20(1)	Total
	-	-	-	-	-										

Table 50(h) AM 5 FPNs (Permit Breaches) – broken down by promoter															
Promoter															
Waltham Forest LB	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
Zayo Group UK Ltd	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	-	-	-										
Total	**Year 1**					**Year 2**					**Year 3**				
	70(6)	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**	**70(6)**	**74(7B)**	**19(1)**	**20(1)**	**Total**
	-	-	336	1,232	1,568	-	-	-	-	-	-	-	-	-	-

Permit Breach Code Descriptions	
Code	**Description**
70(6)	Failure to comply with requirements to give notice of completion of reinstatement
74(7B)	Failure to give a notice under regulation 74 (charge for occupation of the highway where works unreasonably delayed)
19(1)	Works without a permit
20(1)	Permit breaches

7.6 AM 6 - Levels of Customer Enquiries

Table 51 AM 6 Levels of Customer Enquiries	
Year 1	
Number of instances	**Type of Enquiry**
No Data	No Data
No Data	No Data
No Data	No Data
No Data	No Data
No Data	No Data

7.7 AM 7 Average Journey Time and AM8 Journey Time Reliability

One of the anticipated key benefits of the Permit Scheme is an increase in traffic speeds as a result of a reduction in delay to traffic caused by road works.

As set out in the scope in Section 3.4 of this Evaluation, for a 5% reduction in delay, there is an expected improvement of 0.17% in journey time savings.

Data has been collected from the DfT for journey times during the weekday morning peak on locally managed 'A' roads for Highway Authorities in the South East Region that do not operate a Permit Scheme and for Essex pre-scheme and post-scheme for comparison. This is shown on Table 52 below.

For Year 1 the data shows a slight decrease in journey times of 0.17% based on the assumption that all other network outcomes are equal and is the expected improvement with a 5% reduction in delay a positive improvement.

Of note is the fact that there was an increase in traffic flow of 1% over the year that would naturally increase journey times so the journey time saving would be even greater if traffic flow remained the same.

Data has not been analyzed for Highway Authorities not operating Permit Schemes to see if similar increases in traffic flow has been experienced.

It is anticipated that the benefits of increase in traffic speeds will grow over time in Essex as the Permit Scheme continues to bed in and further analysis can be carried out as more data becomes available.

Journey Time Reliability has been measured using journey time results to see the variability of journey times compared to Highway Authorities in the East of England Region that do not operate a Permit Scheme and comparing pre-scheme and post-scheme values in Essex.

The data in Table 52 shows that the average for Highway Authorities that do not operate a Permit Scheme stayed at 1.90 mpm from April'15 to Sep'15 and dropped to 1.89 mpm in Oct'15 and rose to 1.90 mpm in Nov'15 and back to 1.89 mpm in Dec'15.

For Essex from April'15 to Jul’15 the average was 2.06 mpm and rose to 2.07 mpm in Sep'15 to Dec'15.

This would suggest there was less variability in Essex. In comparing the pre-scheme there was a steady increase from 1.98 mpm Apr'14 to 2.05 mpm in Mar'15. This would suggest that the journey time reliability is settling and less variable post-scheme.

Table 52(a) AM 7 Average Journey Times & AM 8 Journey Time Reliability														
Year 1														
			Average journey time (minutes per mile) (Source DfT Congestion & Reliability Statistics Table CGN0206b) Average journey times during the weekday morning peak on locally managed 'A' roads:											
Region	**Local Authority**	**ONS area code**		**Apr-14**	**May-14**	**Jun-14**	**Jul-14**	**Sep 14**	**Oct-14**	**Nov-14**	**Dec-14**	**Jan-15**	**Feb-15**	**Mar-15**
				Pre-scheme										
EAST OF ENGLAND	-	***E12000006 (G)***	**AJT (mpm)**	**2.03**	**2.04**	**2.04**	**2.05**	**2.06**	**2.06**	**2.07**	**2.08**	**2.08**	**2.09**	**2.10**
	Peterborough UA	*E06000031 (00JA)*	AJT (mpm)	1.61	1.63	1.64	1.66	1.68	1.71	1.73	1.73	1.75	1.78	1.81
	Thurrock UA	*E06000034 (00KG)*	AJT (mpm)	1.62	1.63	1.63	1.64	1.64	1.65	1.65	1.66	1.66	1.68	1.68
	Cambridgeshire	*E10000003 (12)*	AJT (mpm)	1.98	1.98	1.99	1.99	2.00	2.01	2.01	2.02	2.02	2.03	2.04
	Suffolk	*E10000029 (42)*	AJT (mpm)	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.02	2.02
	Central Bedfordshire UA	*E06000056 (00KC)*	AJT (mpm)	1.83	1.83	1.84	1.85	1.86	1.86	1.87	1.88	1.88	1.89	1.89
	Total Average Non-permitted			**1.81**	**1.82**	**1.82**	**1.83**	**1.84**	**1.85**	**1.86**	**1.86**	**1.87**	**1.88**	**1.89**
	Essex	***E10000012 (22)***	**AJT (mpm)**	**1.98**	**1.99**	**1.99**	**2.00**	**2.00**	**2.01**	**2.02**	**2.02**	**2.03**	**2.04**	**2.05**

Table 52(b) AM 7 Average Journey Times & AM 8 Journey Time Reliability														
Year 1														
			Average journey time (minutes per mile) (Source DfT Congestion & Reliability Statistics Table CGN0206b) Average journey times during the weekday morning peak on locally managed 'A' roads:											
Region	**Local Authority**	**ONS area code**		**Apr-15**	**May-15**	**Jun-15**	**Jul-15**	**Sep-15 p**	**Oct-15 p**	**Nov-15 p**	**Dec-15 p**	**Jan-16**	**Feb-16**	**Mar-16**
				Post-scheme										
EAST OF ENGLAND	**-**	***E12000006 (G)***	**AJT (mpm)**	**2.11**	**2.11**	**2.11**	**2.12**	**2.12**	**2.12**	**2.12**	**2.12**			
			% Compare	**1.04**	**1.03**	**1.03**	**1.03**	**1.03**	**1.03**	**1.02**	**1.02**			
	Peterborough UA	*E06000031 (00JA)*	AJT (mpm)	1.83	1.83	1.83	1.83	1.82	1.79	1.79	1.79			
			% Compare	1.14	1.12	1.12	1.10	1.08	1.05	1.03	1.03			
	Thurrock UA	*E06000034 (00KG)*	AJT (mpm)	1.69	1.69	1.70	1.69	1.69	1.69	1.69	1.68			
			% Compare	1.04	1.04	1.04	1.03	1.03	1.02	1.02	1.01	Data not available		
	Cambridgeshire	*E10000003 (12)*	AJT (mpm)	2.04	2.05	2.05	2.05	2.06	2.06	2.06	2.06			
			% Compare	1.03	1.04	1.03	1.03	1.03	1.02	1.02	1.02			
	Suffolk	*E10000029 (42)*	AJT (mpm)	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04			
			% Compare	1.01	1.01	1.01	1.01	1.01	1.01	1.00	1.01			
	Central Bedfordshire UA	*E06000056 (00KC)*	AJT (mpm)	1.89	1.89	1.89	1.89	1.89	1.90	1.91	1.90			
			% Compare	1.03	1.03	1.03	1.02	1.02	1.02	1.02	1.01			

Table 52(c) AM 7 Average Journey Times & AM 8 Journey Time Reliability														
Year 1														
			Average journey time (minutes per mile) (Source DfT Congestion & Reliability Statistics Table CGN0206b) Average journey times during the weekday morning peak on locally managed 'A' roads:											
Region	Local Authority	ONS area code		Apr-15	May-15	Jun-15	Jul-15	Sep-15 p	Oct-15 p	Nov-15 p	Dec-15 p	Jan-16	Feb-16	Mar-16
				Post-scheme										
	Total Average Non-permitted			1.90	1.90	1.90	1.90	1.90	1.89	1.90	1.89			
	% Compared to pre-scheme			1.05	1.05	1.04	1.04	1.03	1.02	1.02	1.02			
	Essex	*E10000012 (22)*	AJT (mpm)	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07			
			% Compare	1.04	1.04	1.04	1.03	1.04	1.03	1.02	1.02			
	% Average Journey Time increase/decrease			0.01	0.01	0.01	0.01	-0.00	-0.00	-0.00	-0.01			
	Total Average			0.17%										

Table 52(d) AM 7 Average Journey Times & AM 8 Journey Time Reliability														
Year 2														
				Average journey time (minutes per mile) (Source DfT Congestion & Reliability Statistics Table CGN0206b) Average journey times during the weekday morning peak on locally managed 'A' roads:										
Region	**Local Authority**	**ONS area code**		**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**	**Jan-17**	**Feb-17**	**Mar-17**
				Post-scheme										
EAST OF ENGLAND	**-**	**E12000006 (G)**	**AJT (mpm)**											
			% Compare											
	Peterborough UA	**E06000031 (00JA)**	AJT (mpm)											
			% Compare											
	Thurrock UA	**E06000034 (00KG)**	AJT (mpm)											
			% Compare											
	Cambridgeshire	**E10000003 (12)**	AJT (mpm)											
			% Compare											
	Suffolk	**E10000029 (42)**	AJT (mpm)											
			% Compare											
	Central Bedfordshire UA	**E06000056 (00KC)**	AJT (mpm)											
			% Compare											

Table 52(e) AM 7 Average Journey Times & AM 8 Journey Time Reliability														
Year 2														
			Average journey time (minutes per mile) (Source DfT Congestion & Reliability Statistics Table CGN0206b) Average journey times during the weekday morning peak on locally managed 'A' roads:											
Region	Local Authority	ONS area code		Apr-16	May-16	Jun-16	Jul-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
				Post-scheme										
	Total Average Non-permitted													
	% Compared to pre-scheme													
	Essex	*E10000012 (22)*	AJT (mpm)											
			% Compare											
	% Average Journey Time increase/decrease													
	Total Average													

Table 52(f) AM 7 Average Journey Times & AM 8 Journey Time Reliability														
Year 3														
			Average journey time (minutes per mile) (Source DfT Congestion & Reliability Statistics Table CGN0206b) Average journey times during the weekday morning peak on locally managed 'A' roads:											
Region	Local Authority	ONS area code		Apr-17	May-17	Jun-17	Jul-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18
				Post-scheme										
EAST OF ENGLAND	-	E12000006 (G)	AJT (mpm)											
			% Compare											
	Peterborough UA	E06000031 (00JA)	AJT (mpm)											
			% Compare											
	Thurrock UA	E06000034 (00KG)	AJT (mpm)											
			% Compare											
	Cambridgeshire	E10000003 (12)	AJT (mpm)											
			% Compare											
	Suffolk	E10000029 (42)	AJT (mpm)											
			% Compare											
	Central Bedfordshire UA	E06000056 (00KC)	AJT (mpm)											
			% Compare											

Table 52(g) AM 7 Average Journey Times & AM 8 Journey Time Reliability														
Year 3														
			Average journey time (minutes per mile) (Source DfT Congestion & Reliability Statistics Table CGN0206b) Average journey times during the weekday morning peak on locally managed 'A' roads:											
Region	Local Authority	ONS area code		Apr-17	May-17	Jun-17	Jul-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18
				Post-scheme										
	Total Average Non-permitted													
	% Compared to pre-scheme													
	Essex	*E10000012 (22)*	AJT (mpm)											
			% Compare											
	% Average Journey Time increase/decrease													
	Total Average													

7.8 AM 9 - Road Traffic Collisions

Road Traffic collisions have been analysed for 2014 pre-Permit Scheme and 2015 post-Permit Scheme.

To estimate the predicted collisions post-scheme compared to the actual data collected, trends were analysed from reported collision statistics from 2005-2009 from Safer Essex Roads Partnership (SERP) data with a trend of a 4% reduction in collisions annually.

The actual data as shown on Table 53 below shows that there has been a reduction of 2% in collisions compared to the predicted trends.

This would indicate a positive benefit of the Permit Scheme on the basis that all other network outcomes are equal. A contributing factor would be reduced disruption of road works by improved traffic management, signage and diversion routes and less variable speeds reducing the risks to drivers.

Table 53(a) AM 9 Road Traffic Collisions						
Year 1						
Previous Year		**Predicted***		**Actual**		
Month-Year	**Total**	**Month-Year**	**Total**	**Month-Year**	**Total**	**% Diff**
Jan-14	299	**Jan-15**	281	**Jan-15**	276	
Feb-14	225	**Feb-15**	212	**Feb-15**	233	
Mar-14	269	**Mar-15**	253	**Mar-15**	263	
Apr-14	262	**Apr-15**	246	**Apr-15**	222	90%
May-14	276	**May-15**	259	**May-15**	259	100%
Jun-14	268	**Jun-15**	252	**Jun-15**	254	101%
Jul-14	298	**Jul-15**	280	**Jul-15**	290	104%
Aug-14	235	**Aug-15**	221	**Aug-15**	247	112%
Sep-14	261	**Sep-15**	245	**Sep-15**	261	107%
Oct-14	283	**Oct-15**	266	**Oct-15**	250	94%
Nov-14	295	**Nov-15**	277	**Nov-15**	258	93%
Dec-14	302	**Dec-15**	284	**Dec-15**	207	73%
Total	**3,273**	**Total**	**3,076**	**Total**	**3,020**	**98%**

*Data predicted form Average PIA 2005-2012

Table 53(b) AM 9 Road Traffic Collisions						
Year 2						
Previous Year		Predicted		Actual		
Month-Year	Total	Month-Year	Total	Month-Year	Total	% Diff
Jan-15	276	Jan-16		Jan-16		
Feb-15	233	Feb-16		Feb-16		
Mar-15	263	Mar-16		Mar-16		
Apr-15	222	Apr-16		Apr-16		
May-15	259	May-16		May-16		
Jun-15	254	Jun-16		Jun-16		
Jul-15	290	Jul-16		Jul-16		
Aug-15	247	Aug-16		Aug-16		
Sep-15	261	Sep-16		Sep-16		
Oct-15	250	Oct-16		Oct-16		
Nov-15	258	Nov-16		Nov-16		
Dec-15	207	Dec-16		Dec-16		
Total	3,020	Total		Total		

Table 53(c) AM 9 Road Traffic Collisions						
Year 3						
Previous Year		Predicted		Actual		
Month-Year	Total	Month-Year	Total	Month-Year	Total	% Diff
Jan-16		Jan-16		Jan-16		
Feb-16		Feb-16		Feb-16		
Mar-16		Mar-16		Mar-16		
Apr-16		Apr-16		Apr-16		
May-16		May-16		May-16		
Jun-16		Jun-16		Jun-16		
Jul-16		Jul-16		Jul-16		
Aug-16		Aug-16		Aug-16		
Sep-16		Sep-16		Sep-16		
Oct-16		Oct-16		Oct-16		
Nov-16		Nov-16		Nov-16		
Dec-16		Dec-16		Dec-16		
Total		Total		Total		

7.9 AM 10 - Carbon Emissions

The result of reduced congestion is a reduction in fuel consumption and CO2 emissions.

Data has been collected from the DfT on traffic flow sites on major and minor roads in Essex that identifies 337 locations as shown on Table 55 with traffic flows by vehicle type.

The average traffic speed from the DfT on Table 56 has been used for comparison. The DfT carbon tool has been used using the traffic flow and average speed to predict carbon emissions that is summarized in Table 57.

Table 58 compares output pre-Permit Scheme and post-Permit Scheme.

The summary shows that there has been an increase in traffic flows of 1% and a decrease in traffic speed of 3% resulting in an increase in carbon emissions of 2%.

Within the vehicle speed range it is expected that traffic speed and carbon emissions are linear i.e. A 4% reduction in speed would result in a 4% increase in carbon emissions.

The results show a slight variation in this hypothesis and is due to the difference in vehicle characteristics with cars showing slightly less and HGVs slightly more.

A Permit Scheme's positive impact would show a speed reduction percentage less than the increase in traffic flow i.e for a 3% increase in traffic flow would be a decrease in traffic speed of less than 3%.

The results show a 4% reduction in traffic speeds and therefore a variable of +1% a positive to the scheme.

The data doesn't take account of accelerating and decelerating in congestion in roadworks that may occur. Better road works management could improve this in such ways as average speed cameras rather than fixed point for major works and lane closures and diversions rather than signals.

As the Permit Scheme progresses the Highway Authority will continue to work with Utilities to reduce disruption wherever possible and monitor these elements.

Table 54(a) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
1	6198	East of England	Essex	A104	PR	541000	196400	A1069	A121	7.3
2	6642	East of England	Essex	A112	PR	538410	198260	A110	A121	4.9
3	6646	East of England	Essex	A128	PR	555270	203000	A113	A414	1.8
4	6656	East of England	Essex	A414	PR	554600	203950	B181	A128	5
5	6664	East of England	Essex	A128	PU	560500	193160	Running Waters	A1023	1.9
6	6665	East of England	Essex	A129	PU	579300	191720	Little Wheatley Chase	A129 High St	2.2
7	6669	East of England	Essex	A132	PU	575000	193900	A129	Church End Lane	1
8	6670	East of England	Essex	A132	PU	573000	188760	A13	A1321	1.7
9	6672	East of England	Essex	A133	PU	600500	226070	A134	A1232	2.1
10	6676	East of England	Essex	A134	PR	598470	228800	Boxted Rd	Bear Street	6.6
11	7324	East of England	Essex	A1124	PU	596000	225000	B1408	A133	1.6
12	7325	East of England	Essex	A1017	PR	571270	242610	A1092	A143	4.5
13	7478	East of England	Essex	A1023	PU	558000	193030	A12(T)	A128	3.3
14	7513	East of England	Essex	A1099	PU	570600	206900	A1060	Duke St	0.3
15	7822	East of England	Essex	A1235	PU	573000	190400	A176	A312	4
16	7894	East of England	Essex	A176	PU	569300	189800	A1235	A176 spur	0.5
17	7912	East of England	Essex	A1025	PU	545000	209700	A414	A1019	2
18	8614	East of England	Essex	A1114	PU	569500	205210	A414	A1016	0.2

Table 54(b) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
19	8615	East of England	Essex	A131	PR	577087	226000	B1053	A1017	1.9
20	8709	East of England	Essex	A1168	PU	543300	197200	Oakwood Hill	A121	1.9
21	16184	East of England	Essex	A414	PR	547470	207600	A1169	M11	1.8
22	16199	East of England	Essex	A13	PU	577100	188460	A130 intersection	A129	4.4
23	16629	East of England	Essex	A113	PR	548500	197560	B172	B175	4.2
24	16638	East of England	Essex	A121	PR	542970	198100	Baldwin's Hill	A104	1.5
25	16646	East of England	Essex	A127	PU	568300	190000	High Road roundabout	A176	1
26	16648	East of England	Essex	A129	PR	570400	191780	Mill Rd	A132	4.7
27	16650	East of England	Essex	A1060	PU	570500	206760	A1016	A1099	0.7
28	16651	East of England	Essex	A1245	PR	578070	191200	A127	A129	1.3
29	16653	East of England	Essex	A132	PU	574700	192270	Cranfield Park Rd	A129	1.4
30	16654	East of England	Essex	A133	PR	606500	224360	Bromley Rd	B1029	3.1
31	16714	East of England	Essex	A176	PU	570100	188000	Lee Woottens Lane roundabout	A1321	1.1
32	17033	East of England	Essex	A1060	PR	559840	211940	B184N	Lordship Rd	11.2
33	17281	East of England	Essex	A1124	PR	583401	229200	Fenn Road	B1024	4.7
34	17434	East of England	Essex	A414	PU	544900	211180	A1169	A1184	2.9
35	17444	East of England	Essex	A1060	PR	550300	217350	B1383	B183	7
36	17869	East of England	Essex	A136	PU	623700	232000	A120(T)	Coller Rd	0.7

Table 54(c) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
37	17887	East of England	Essex	A1169	PU	542840	210000	A1025	A414	3.5
38	18372	East of England	Essex	A414	PR	569450	205000	A12	A1114	3.5
39	18390	East of England	Essex	A1060	PU	570850	206470	B1007	A1099	0.4
40	18688	East of England	Essex	A1099	PU	571000	207150	A138	B1008	1.4
41	26662	East of England	Essex	A113	PU	544000	193600	A123	Vicarage Lane	0.8
42	26676	East of England	Essex	A127	PR	560000	188700	M25	A128	5.4
43	26677	East of England	Essex	A128	PR	556500	200200	Orchard Lane	A113	7.8
44	26678	East of England	Essex	A129	PU	580160	190000	A127	A1015	1.1
45	26681	East of England	Essex	A1114	PU	572000	205950	A138/A1060	A1114	1.8
46	26684	East of England	Essex	A1321	PU	572000	189060	A176	A132	2.9
47	26685	East of England	Essex	A133	PU	617750	214980	A133 Olivers Rd	Marine Parade East	1.1
48	26686	East of England	Essex	A133	PR	602400	224420	A134	B1027	1.5
49	26693	East of England	Essex	A137	PR	605800	229500	Welshwood Park Rd	B1352	9.6
50	27102	East of England	Essex	A1060	PR	555000	214000	B183	B184 S	6.7
51	27347	East of England	Essex	A1017	PR	573640	240000	A1124	A1092	13.8
52	27499	East of England	Essex	A1017	PR	578220	230000	A131	A1124	6.1

53	27505	East of England	Essex	A1023	PU	560200	194300	A128	A129	1.5
54	27916	East of England	Essex	A176	PU	567460	193000	Wash Rd	B1007	3

Table 54(d) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
55	27965	East of England	Essex	A414	PU	546900	209000	A1025	A1169	0.8
56	28478	East of England	Essex	A1060	PU	570700	206600	A1099	B1007	0.3
57	28834	East of England	Essex	A1099	PU	570700	207150	Duke St	B1008	0.3
58	36198	East of England	Essex	A414	PU	546940	210600	Church Langley Way	B183 First Avenue Mandela Avenue	1.4
59	36199	East of England	Essex	A104	PR	540770	195000	Church Rd	A1069	1.2
60	36691	East of England	Essex	A414	PR	549800	205650	M11	B181	4.6
61	36697	East of England	Essex	A127	PR	571400	190930	A176	A132	4.1
62	36699	East of England	Essex	A129	PU	576400	193250	A132	Hodgson Way	1.9
63	36706	East of England	Essex	A133	PR	610000	223560	B1029	A133	1.4
64	36707	East of England	Essex	A133	PU	601700	225000	A137	A134	1.1
65	36712	East of England	Essex	A134	PU	599220	225400	A1124	A133	1.2
66	36768	East of England	Essex	A176	PU	569900	188700	A1321	A1235	1.2
67	37390	East of England	Essex	A1124	PR	592400	226300	B1024	A12(T)	10.8
68	37544	East of England	Essex	A1015	PU	580900	190340	A129 Webster's Way	Progress Road	3.1
69	37621	East of England	Essex	A1232	PU	601550	228000	A133	A120	3.5

70	38101	East of England	Essex	A1245	PR	577800	194050	A132	A129	3.9
71	38134	East of England	Essex	A1168	PR	544400	195350	A113	M11	0.7
72	38471	East of England	Essex	A138	PR	573700	209230	B1137	A130	1.6

Table 54(e) AM 10 Carbon Emissions - DfT Traffic Count Sites

Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
73	38490	East of England	Essex	A1060	PR	574000	205480	Molrams Lane	A12	0.9
74	38635	East of England	Essex	A1114	PU	569800	205430	A1016	B1007	0.5
75	38697	East of England	Essex	A1016	PU	569770	206700	A1114	A1060	2.1
76	38698	East of England	Essex	A131	PR	577249	225000	A120	B1053	2.4
77	38788	East of England	Essex	A120	PR	551000	221740	B1383	A1250	2
78	46670	East of England	Essex	A113	PR	545620	196000	A1168	A1112	1.7
79	46686	East of England	Essex	A129	PU	580340	187900	Southend Arterial Road	A13	2.3
80	46687	East of England	Essex	A129	PR	565000	194800	Hutton Village	A176	3.43
81	46690	East of England	Essex	A1060	PU	571250	206250	B1137	A138	0.5
82	46694	East of England	Essex	A133	PR	605900	224580	B1027	Bromley Rd	3.2
83	46695	East of England	Essex	A133	PU	601000	225560	A1232	A137	0.3
84	46696	East of England	Essex	A134	PU	599200	226170	A133	B1508	0.6

85	46702	East of England	Essex	A134	PU	601400	224600	A133	B1025	2.2
86	47107	East of England	Essex	A1060	PR	558440	212880	B184S	B184 N	1.4
87	47357	East of England	Essex	A1124	PR	580000	231900	A1017	Box Mill Lane	3.5
88	47513	East of England	Essex	A414	PR	544310	211271	Eastwick Road	A1169	0.6
89	47514	East of England	Essex	A1023	PU	561200	195820	A129	Alexander Lane	1.2
90	47950	East of England	Essex	A132	PU	573210	191000	A1235	A127	0.8

Table 54(f) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
91	47977	East of England	Essex	A1169	PU	544500	208200	A1025	A414	4.9
92	48012	East of England	Essex	A133	PR	612000	223100	A133	B1033	3.6
93	48115	East of England	Essex	A113	PR	546500	196700	A1112	B172	1.3
94	48398	East of England	Essex	A132	PR	578900	196000	A130	B1012	3.8
95	48473	East of England	Essex	A1114	PR	573800	204000	A12/A130	A1060	2.5
96	48617	East of England	Essex	A1114	PU	571000	205540	B1007	A138	1.7
97	48678	East of England	Essex	A1016	PU	570130	207210	A1016 Rainsford Lane	A1060 Rainsford Road	0.4
98	48769	East of England	Essex	A138	PU	572530	207400	A1114	B1137	3.4
99	56214	East of England	Essex	A13	PR	572000	186800	A176	A132	3.1
100	56293	East of England	Essex	A134	PU	599300	224900	A137	A134 Balkerne Hill	0.2
101	56652	East of England	Essex	A131	PR	578400	227500	A1017	White Horse Avenue	4.4
102	56659	East of England	Essex	A134	PU	599600	224870	B1025	A134	0.6
103	56662	East of England	Essex	A127	PR	575000	190940	A132	A130	4.8
104	56669	East of England	Essex	A414	PR	560000	203920	B184	A1114	15.5
105	56675	East of England	Essex	A127	PR	579700	189700	A130	Rayleigh Road	3.1
106	56677	East of England	Essex	A113	PR	552900	199500	B175	A128	7.2
107	56682	East of England	Essex	A130	PR	576100	187000	A13 intersection	B1014 roundabout	4.2
108	56688	East of England	Essex	A121	PU	541100	194600	A104	A1168	4.9

Table 54(g) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
109	56693	East of England	Essex	A132	PU	573130	190000	A1321	A1235	1.6
110	56705	East of England	Essex	A132	PU	574850	193380	A129 London Road	A129 Southend Road	0.4
111	56777	East of England	Essex	A1060	PR	568600	207500	Lordship Road	Chignall Rd	1
112	56877	East of England	Essex	A1019	PU	544620	210888	A1025	A1169/A414	1.4
113	57101	East of England	Essex	A414	PR	580000	205140	A12	B1018 Heybridge Approach	12.3
114	57356	East of England	Essex	A133	PU	598900	225950	Sheepen Rd	A134	0.4
115	57478	East of England	Essex	A1124	PU	598000	225000	A133	A134 Balkerne Hill	2.6
116	57576	East of England	Essex	A1112	PR	546450	194410	B173 Lambourne Rd	A113	3.2
117	57994	East of England	Essex	A1025	PU	544000	209100	A1169	A1019	1.6
118	58018	East of England	Essex	A130	PU	577480	183760	Roscommon Way roundabout	B1014/Waarden Rd	3.3
119	58084	East of England	Essex	A121	PR	542000	199460	A104	A121 Honey Lane roundabout	2.1
120	58301	East of England	Essex	A130	PU	572100	209748	A1016	A138	2.9
121	58393	East of England	Essex	A1016	PU	571000	208400	B1008 Rectory Lane	A130	2.9
122	60001	East of England	Essex	A130	PR	571650	211000	A131	A1016	4.4
123	60002	East of England	Essex	A133	PU	596900	225350	A1124	A12	0.6
124	73343	East of England	Essex	A121	PU	538200	199600	A112	A121	1.8

125	73344	East of England	Essex	A121	PR	538900	199490	A112	A121 Honey Lane roundabout	2.2
126	73488	East of England	Essex	A1069	PR	540535	195105	Bury Road	A104	1.7

Table 54(h) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	**DfT Traffic Count Sites**									
	CP	**Region**	**Local Authority**	**Road**	**Road Category**	**Easting**	**Northing**	**Start Junction**	**End Junction**	**LinkLength_km**
127	73492	East of England	Essex	A113	PU	543590	192890	B173	A123	2.1
128	73493	East of England	Essex	A123	PU	544160	192500	A113	Tudor Crescent	1.6
129	73498	East of England	Essex	A128	PR	563480	188750	Station Road	A127	1.1
130	73499	East of England	Essex	A13	PR	570970	186460	B1007	A176	5.4
131	73500	East of England	Essex	A13	PU	581500	186770	A129	Thames Drive	2.6
132	73502	East of England	Essex	A137	PR	609490	231550	B1352	Bergholt Road	2.4
133	73505	East of England	Essex	A131	PR	584300	235500	Colne Road	Middleton Road	11.4
134	73506	East of England	Essex	A1092	PR	572394	242958	A1017	Church Terrace	0.25
135	73507	East of England	Essex	A143	PR	568795	244425	A1017	B1057	1
136	73509	East of England	Essex	A1017	PR	568580	244270	B1057	A143	1.3
137	73512	East of England	Essex	A1250	PR	551050	221540	Parsonage Lane	A120	0.65
138	73514	East of England	Essex	A1184	PU	547200	212500	A414	Harlow Road	1.2
139	74666	East of England	Essex	A120	PR	549920	223172	Hazelend Road	B1383	0.4
140	75035	East of England	Essex	A1015	PU	580600	190580	A129 High St	A129 Webster's Way	0.1
141	75036	East of England	Essex	A129	PU	580570	190650	A1015	A129 Crown Hill	0.1
142	75037	East of England	Essex	A129	PU	580680	190800	A129 Crown Hill	B1013 Hockley Rd	0.3
143	75039	East of England	Essex	A176	PU	569230	190100	A176 spur	A176 Noak Hill Road	0.3
144	75041	East of England	Essex	A127	PU	569240	190130	A176 spur	A176 spur	0.3

Table 54(i) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
145	75042	East of England	Essex	A130	PR	574120	209420	A138	B1137	0.2
146	75045	East of England	Essex	A133	PU	617400	215690	B1369	A133 Wellesley Rd	0.4
147	75046	East of England	Essex	A133	PU	617450	215830	B1369	A133 Olivers Road	0.3
148	75047	East of England	Essex	A133	PU	617230	216000	B1027/B1441	B1369	0.7
149	75049	East of England	Essex	A131	PU	581500	230710	A1124	A1124	0.1
150	75062	East of England	Essex	A121	PR	540600	199810	A121 main route	Old Shire Lane	0.5
151	76029	East of England	Essex	A129	PU	580750	190760	A1015	B1013 Hockley Rd	0.4
152	77130	East of England	Essex	A130	PR	575600	199000	A132	A12(T)	8.9
153	77131	East of England	Essex	A127	PR	567000	190190	A128	High Road roundabout, Basildon	4.6
154	77132	East of England	Essex	A176	PU	568800	190290	A176 Upper Mayne	Wash Rd	0.8
155	77133	East of England	Essex	A176	PR	570500	187140	A13	Lee Woottens Lane roundabout	1.6
156	77136	East of England	Essex	A129	PU	566850	194340	Mountnessing Rd	A176	1.2
157	77137	East of England	Essex	A176	PU	567650	193600	B1007	A129	0.8
158	77138	East of England	Essex	A129	PU	568200	193500	A176	Mill Rd	1.8
159	77151	East of England	Essex	A1060	PU	569500	207480	Chignall Rd	A1016	1.3
160	77152	East of England	Essex	A137	PU	601780	226000	A133	Welshwood Park Rd	1.8
161	77153	East of England	Essex	A1124	PR	594850	224850	A12(T)	B1408	0.6
162	77154	East of England	Essex	A133	PU	597450	225510	A12 spur	Sheepen Rd	1.5

Table 54(j) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
163	77161	East of England	Essex	A414	PU	546830	211500	B183 First Avenue Mandela Avenue	A1184	1.1
164	77162	East of England	Essex	A414	PU	546810	209600	A1025	N/A (roundabout)	0.4
165	77172	East of England	Essex	A414	PU	585000	207830	A12B1018 Heybridge Approach	B1018 The Causeway	0.4
166	77189	East of England	Essex	A129	PR	579000	191810	Little Wheatley Chase	A130	0.7
167	77199	East of England	Essex	A132	PR	574000	191820	A127	Cranfield Park Rd	1.7
168	77200	East of England	Essex	A129	PU	574000	193280	Woolshotts Rd	A132	2.3
169	77202	East of England	Essex	A129	PR	578000	192120	Hodgson Way	A130	2.5
170	77249	East of England	Essex	A1060	PU	573500	205350	A1114	Molrams Lane	1
171	77250	East of England	Essex	A1016	PU	570300	207340	A1060	B1008 Rectory Lane	0.5
172	78368	East of England	Essex	A104	PU	540580	194000	A121	Church Rd	0.95
173	78369	East of England	Essex	A121	PU	543060	197750	A1168	Baldwin's Hill	0.7
174	78370	East of England	Essex	A1168	PR	544280	195750	M11	Oakwood Hill	0.3
175	78371	East of England	Essex	A113	PR	544370	194500	Vicarage Lane	A1168	1.1
176	78372	East of England	Essex	A1112	PU	546500	193190	New North Road	B173 Lambourne Rd	0.9
177	78375	East of England	Essex	A128	PU	559180	194500	A1023	Orchard Lane	2.8
178	78376	East of England	Essex	A1023	PR	562120	196500	Alexander Lane	A12(T)	1.4

179	78377	East of England	Essex	A129	PU	562000	195120	A1023	Hutton Village	3.1
180	78378	East of England	Essex	A128	PR	562270	192000	A127	Running Waters,Brentwood	4.7

Table 54(k) AM 10 Carbon Emissions - DfT Traffic Count Sites

Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
181	80664	East of England	Essex	A1124	PU	581350	231160	Unclassfied Road	A131	1.7
182	80665	East of England	Essex	A131	PU	581780	231020	A1124	Sudbury Road	1.3
183	80666	East of England	Essex	A1124	PU	582040	230460	A131	Church Road	1.5
184	80667	East of England	Essex	A131	PU	580840	230400	White Horse Avenue	A1124	1.3
185	80706	East of England	Essex	A130	PR	577330	193680	A132	A129	5.89
186	80707	East of England	Essex	A130	PR	577900	190500	A130	A127	0.8
187	80762	East of England	Essex	A131	PR	571380	214200	A130	A120	9.8
188	80765	East of England	Essex	A132	PR	576078	194890	Church End Lane	A130	1.8
189	80767	East of England	Essex	A130	PR	577240	195180	A132	A1245	0.6
190	80768	East of England	Essex	A132	PR	577160	195230	A130	A1245	0.65
191	99327	East of England	Essex	A133	PR	616000	218690	B1033	B1027	7.4
192	99629	East of England	Essex	A1017	PR	567300	244100	B1057	Moon Hall Lane	0.5
193	99708	East of England	Essex	A120	PR	551300	221660	A1250	M11 Junction 8	0.4
194	99711	East of England	Essex	A120	PU	624300	231830	A136	Harwich	2.9

195	941063	East of England	Essex County Council	B1053	BR	571284	230950	High Street	Wethersfield Road	2.3
196	941066	East of England	Essex County Council	B1010	BR	581590	204307	Marlpits Road	Burnham Road	1.4
197	941067	East of England	Essex County Council	B1022	BR	588139	214792	Loamy Hill Road	Hall Road	1.4
198	941071	East of England	Essex County Council	B1026	BR	588792	207827	Goldhanger Road	Wash Lane	1.4

Table 54(l) AM 10 Carbon Emissions - DfT Traffic Count Sites

Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
199	941072	East of England	Essex County Council	B1256	BR	558845	221335	B183	A120	4
200	941073	East of England	Essex County Council	B1025	BR	600803	218073	Abberton Road	B1025	2.5
201	941074	East of England	Essex County Council	B181	BR	542414	207119	Common Road	Parsloe Road	1.2
202	941075	East of England	Essex County Council	B1023	BR	591111	214353	Top Road	North Street	3.2
203	941076	East of England	Essex County Council	B1038	BR	547337	231839	Stortford Road	Clatterbury Lane	1.3
204	941079	East of England	Essex County Council	B1026	BR	590015	209005	Head Street	Little Totham Road	0.55
205	941083	East of England	Essex County Council	B1027	BR	614922	215977	Jaywick Lane	Clacton Road	1.7
206	941086	East of England	Essex County Council	B1029	BR	605234	232464	Stratford Road	Grove Hill	1.6
207	941087	East of England	Essex County Council	B1053	BR	567461	233026	B1051	B1057	5.5
208	941090	East of England	Essex County Council	B1024	BR	585473	225914	Coggeshall Road	Colne Road	2
209	941095	East of England	Essex County Council	B184	BR	562483	220784	A120	Canfield Road	4.1
210	941100	East of England	Essex County Council	B1026	BR	587473	207905	Chigborough Road	Lawling Avenue	1.4
211	941103	East of England	Essex County Council	B1133	BR	542481	207846	Brookside	Epping Road	0.8

212	941104	East of England	Essex County Council	B184	BR	551947	241479	B1383	B1052	7.1
213	941113	East of England	Essex County Council	B1027	BR	611952	216800	Colchester Road	Dead Lane	2.2
214	941114	East of England	Essex County Council	B181	BR	545210	203481	B181	B1393	2.1
215	941115	East of England	Essex County Council	B1021	BR	597511	201651	Hall Road	Southminster Road	1.5
216	941116	East of England	Essex County Council	B1057	BR	566128	228725	Lubberhedges Lane	Bell Lane	3.7

Table 54(m) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
217	941117	East of England	Essex County Council	B194	BR	537985	206442	North Street	High Road	2.7
218	941118	East of England	Essex County Council	B184	BR	561447	229971	Bolford Street	Folly Mill Lane	2.4
219	941119	East of England	Essex County Council	B1035	BR	611632	230433	B1352	Steam Mill Road	2.6
220	941120	East of England	Essex County Council	B1051	BR	563394	234175	B1053	unclassified	2.8
221	941130	East of England	Essex County Council	B1024	BR	585996	227665	Curds Road	A1124	1.6
222	941132	East of England	Essex County Council	B1013	BU	584879	191219	Tudor Way	Ark Lane	1.9
223	941133	East of England	Essex County Council	B1032	BU	620091	216714	York Road	B1032	1
224	941136	East of England	Essex County Council	B1007	BU	570275	204463	Longstomps Avenue	Linnet Drive	0.5
225	941137	East of England	Essex County Council	B1414	BU	622395	230112	Low Road	Wix Road	6.3
226	941145	East of England	Essex County Council	B1137	BU	575945	210379	Plantation Road	Waltham Road	0.27
227	941147	East of England	Essex County Council	B1025	BU	600342	222674	Abbot's Road	Berechurch Hall Road	1.3
228	941148	East of England	Essex County Council	B1009	BU	571529	204600	Loftin Way	Deadman's Lane	1.4
229	941153	East of England	Essex County Council	B148	BU	566091	188891	West Mayne	A127	1.3
230	941155	East of England	Essex County Council	B1006	BU	576919	187349	Kents Hill Road	Clifton Avenue	1.1
231	941156	East of England	Essex County Council	B1029	BU	608488	216330	Francis Street	Waterside	0.23
232	941157	East of England	Essex County Council	The Causeway	CR	565948	205177	A414	Nathans Lane	1.9
233	941159	East of England	Essex County Council	Henny Road	CR	588005	238891	Rectory Road	Rectory Road	2.1
234	941162	East of England	Essex County Council	Maple Lane	CR	559549	237043	Walden Road	Top Road	2

Table 54(n) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
235	941166	East of England	Essex County Council	Fyfield Road	CR	554798	207179	Moreton Road	Church Road	3.6
236	941168	East of England	Essex County Council	Coggeshall Road	CR	586919	220850	B1024	The Street	0.55
237	941169	East of England	Essex County Council	Epping Lane	CR	548719	198303	A113	Mount Road	1.3
238	941171	East of England	Essex County Council	Mill Road	CR	563054	212810	Mill Road	Hayron's Lane	1.4
239	941173	East of England	Essex County Council	New Pasture Lane	CR	568658	225030	Porters Hall Road	Whitehouse Road	2
240	941176	East of England	Essex County Council	Hollow Lane	CR	569137	209682	Chignal Road	School Lane	1.7
241	941183	East of England	Essex County Council	Buck Hill	CR	575961	221245	Notley Road	Church Road	0.35
242	941192	East of England	Essex County Council	Gallows Green Road	CR	563055	227130	Daisyley Road	Breach Lane	2.3
243	941193	East of England	Essex County Council	Canfield Road	CR	557358	219046	Green Street	Dunmow Road	2.4
244	941196	East of England	Essex County Council	Brook Road	CR	591388	214939	B1023	Rectory Road	1.1
245	941197	East of England	Essex County Council	Humphrey's Farm Lane	CR	568371	213124	Mashbury Road	Breeds Road	0.65
246	941201	East of England	Essex County Council	Layer Breton Hill	CR	594389	219344	Lower Road	Layer Road	2.2
247	941204	East of England	Essex County Council	Bassingbourn Road	CR	554932	222793	Long Border Road	Princey Road	0.55
248	941207	East of England	Essex County Council	Peldon Road	CR	599362	217350	Church Road	Oxley Hill	3
249	941208	East of England	Essex County Council	Wethersfield Road	CR	573745	232441	Bovingdon Road	Church Street	5
250	941211	East of England	Essex County Council	Peartree Road	CU	596125	223745	Oaklands Avenue	Winstree Road	0.55
251	941214	East of England	Essex County Council	Jacksons Lane	CU	567946	195050	Norsey Road	Meadow Rise	0.5
252	941215	East of England	Essex County Council	Church End Lane	CU	575225	194633	A132	Brock Hill	1

Table 54(o) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
253	941217	East of England	Essex County Council	Margaretting Road	CU	570323	202767	B1007	Bekeswell Lane	0.4
254	941218	East of England	Essex County Council	Galleywood Road	CU	572180	204382	High Street	Deadman's Lane	1.7
255	941221	East of England	Essex County Council	Dunton Road	CU	568104	190505	A176	Dunton Road	2.8
256	941226	East of England	Essex County Council	Mill Lane	CU	559064	199862	Blackmore Road	Church Lane	1.3
257	941229	East of England	Essex County Council	Hall Lane	CU	625904	222488	Prince's Esplanade	Green Lane	0.3
258	941230	East of England	Essex County Council	Coppins Road	CU	617266	215579	Cloes Lane	Old Road	1.3
259	941231	East of England	Essex County Council	Marine Parade West	CU	617491	214448	A133	Wash Lane	1.2
260	941235	East of England	Essex County Council	Little Clacton Lane	CU	615718	216384	Saint John's Road	A133	2.3
261	941236	East of England	Essex County Council	Mell Road	CU	596249	209971	End of Road	East Street	0.85
262	941237	East of England	Essex County Council	Kelvedon Road	CU	584987	212963	Beacon Hill	Braxted Road	0.35
263	941238	East of England	Essex County Council	Davenants	CU	573894	189874	Lanhams	Burnt Mills Road	0.45
264	941239	East of England	Essex County Council	School Road	CU	557182	198931	A128	Blackmore Road	1.2
265	941240	East of England	Essex County Council	Shalford Road	UR	573051	222897	Rayne Road	Pods Lane	1.4
266	941248	East of England	Essex County Council	Earls Colne Road	CR	588968	226468	Chappel Road	Lambert's Road	0.9
267	941263	East of England	Essex County Council	Debden Road	UR	552798	233816	B1383	Ivy Todd Hill	3.9
268	941265	East of England	Essex County Council	Abberton Road	UR	598252	220268	Bounstead Road	The Folly	0.9
269	941267	East of England	Essex County Council	Chancellon Avenue	UR	573770	207707	Quale Road	Cowdrie Way	0.22
270	941272	East of England	Essex County Council	Crow Street	UR	554652	228414	Church Street	B1051	1.5

Table 54(p) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
271	941273	East of England	Essex County Council	High Easter Road	UR	564231	219810	Chelmsford Road	The Street	6.1
272	941274	East of England	Essex County Council	The Pastures	UR	555913	221199	Chapel Fields	Harvest Fields	0.15
273	941278	East of England	Essex County Council	Barnston Green	UR	564337	219689	High Easter Road	Rayfield Close	0.17
274	941289	East of England	Essex County Council	Bridge Street	UR	569770	190608	Wash Rd	Wash Rd	0.97
275	941291	East of England	Essex County Council	Wix Road	UR	620562	230225	B1352	Tinker Street	1.1
276	941293	East of England	Essex County Council	Blackmore Road	UR	563452	199942	Fryerning Lane	Bag Lane	0.75
277	941304	East of England	Essex County Council	Sheepcotes	UU	573936	208663	Winsford Way	Lonebarn Link	0.7
278	941305	East of England	Essex County Council	Columbine Gardens	UU	624562	221075	Walton Road	Walton Road	0.42
279	941317	East of England	Essex County Council	Browning Road	UU	585161	205952	Wordsworth Avenue	Milton Road	0.2
280	941318	East of England	Essex County Council	Magnolia Drive	UU	602563	225495	Hamlet Drive	Cypress Grove	0.22
281	941321	East of England	Essex County Council	Seymours	UU	542893	208327	Brookside	Brookside	0.4
282	941327	East of England	Essex County Council	The Avenue	UU	567017	194920	Station Road	West Park Avenue	0.4
283	941328	East of England	Essex County Council	Forest Road	UU	602091	224919	Hawthorn Avenue	Hickory Avenue	1.1
284	941331	East of England	Essex County Council	Long Riding	UU	571775	188820	B1464	Hockley Road	0.5
285	941332	East of England	Essex County Council	The Downs	UU	545406	209818	Manston Road	Maddox Road	0.35
286	941338	East of England	Essex County Council	Station Approach	UU	576208	222755	South Street	South Street	0.45
287	941345	East of England	Essex County Council	Chinook	UU	600822	227870	Derwent Road	Derwent Road	0.8

288	941346	East of England	Essex County Council	Queen's Road	UU	623808	219931	Esplanade	B1033	0.45

Table 54(q) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	DfT Traffic Count Sites									
	CP	Region	Local Authority	Road	Road Category	Easting	Northing	Start Junction	End Junction	LinkLength_km
289	941348	East of England	Essex County Council	Kents Hill Road North	UU	577687	188575	London Road	Chesterfield Avenue	0.35
290	941349	East of England	Essex County Council	Vowler Road	UU	567876	187943	Berry Lane	High Road	0.4
291	941352	East of England	Essex County Council	Hillside Grove	UU	570283	205112	A1114	Stewart Road	0.6
292	941353	East of England	Essex County Council	Gifford Road	UU	577628	188208	London Road	Bowers Road	0.3
293	941360	East of England	Essex County Council	Conies Road	UU	580851	229563	White Horse Avenue	White Horse Avenue	0.5
294	941362	East of England	Essex County Council	Warwick Road	UU	581476	190358	The Chase	Trinity Road	0.45
295	941364	East of England	Essex County Council	Sydney Road	UU	577025	187710	Clifton Avenue	Villa Road	0.16
296	941365	East of England	Essex County Council	Beverley Road	UU	598631	224837	Queens Road	A1124	0.23
297	941368	East of England	Essex County Council	Downer Road	UU	577940	188110	Bower Road	London Road	0.29
298	941369	East of England	Essex County Council	Hunnable Road	UU	575138	222980	B1256	Clare Road	0.21
299	941370	East of England	Essex County Council	Brook Road	UU	577480	186570	Hope Road	Fleet Road	0.21
300	941373	East of England	Essex County Council	Armond Road	UU	581569	215050	Guithavon Valley	Highfields Road	0.65
301	941375	East of England	Essex County Council	Pound Lane Central	UU	568655	190095	Hornbeam Way	Redwood Drive	0.048
302	941376	East of England	Essex County Council	Lucerne Road	UU	606189	224768	Holly Way	End of Road	0.35
303	941378	East of England	Essex County Council	Brays Mead	UU	545851	208803	Brays Mead	Brays Mead	0.16
304	941386	East of England	Essex County Council	Vange Hill Drive	UU	572160	187724	Mapleford Sweep	B1464	0.65

305	941396	East of England	Essex County Council	Woodland Grove	UU	546064	201347	Centre Drive	End of Road	0.23
306	941397	East of England	Essex County Council	Crescent Road	UU	585017	208320	Holloway Road	Holloway Road	0.55

Table 54(r) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	**DfT Traffic Count Sites**									
	CP	**Region**	**Local Authority**	**Road**	**Road Category**	**Easting**	**Northing**	**Start Junction**	**End Junction**	**LinkLength_km**
307	941399	East of England	Essex County Council	Coldnailhurst Avenue	UU	575435	223835	Panfield Lane	Lancaster Way	0.85
308	941402	East of England	Essex County Council	Tawneys Road	UU	545556	208871	Tilegate Road	Tendring Road	0.6
309	941403	East of England	Essex County Council	Mornington Avenue	UU	588053	190606	Rocheway	Stambridge Road	0.35
310	941409	East of England	Essex County Council	Long Banks	UU	544802	207890	Parnall Road	Parnall Road	0.5
311	941410	East of England	Essex County Council	Navestock Close	UU	579234	191355	Bardfield Way	End of Road	0.081
312	941421	East of England	Essex County Council	Downhall Park Way	UU	580383	192242	Durham Way	Norwich Crescent	0.23
313	941423	East of England	Essex County Council	Sutton Court Drive	UU	587958	189606	Sutton Road	Leicester Avenue	0.19
314	941425	East of England	Essex County Council	Norfolk Gardens	UU	576548	223612	Marlborough Road	Devonshire Grove	0.13
315	941428	East of England	Essex County Council	Fold Croft	UU	543473	209955	Fold Croft	Hobtoe Road	0.089
316	941429	East of England	Essex County Council	Armstrong Road	UU	577678	189183	Church Road	Cartwright Road	0.26
317	941431	East of England	Essex County Council	Point Road	UU	581924	183248	Chapman Road	Approach Road	0.35
318	941435	East of England	Essex County Council	Hunt's Drive	UU	567615	205675	Margaretting Road	End of Road	0.5
319	941436	East of England	Essex County Council	Dorset Avenue	UU	571960	204526	Galleywood Road	Duffield Road	0.35
320	941438	East of England	Essex County Council	Brook Mews	UU	543717	193284	B170	A113	0.35
321	951524	East of England	Essex County Council	B1026	BR	592907	211800	B1023	Beckingham Road	0.4

322	951525	East of England	Essex County Council	B1021	BR	595205	198702	Burnham Road	B1010	1.8
323	951526	East of England	Essex County Council	B1022	BR	596035	222444	Cunobelin Way	Warren Lane	2.3
324	951527	East of England	Essex County Council	B1038	BR	548760	232911	B1383	Arkesden Road	4.5

Table 54(s) AM 10 Carbon Emissions - DfT Traffic Count Sites										
Ref No	**DfT Traffic Count Sites**									
	CP	**Region**	**Local Authority**	**Road**	**Road Category**	**Easting**	**Northing**	**Start Junction**	**End Junction**	**LinkLength_km**
325	951531	East of England	Essex County Council	B1027	BU	617375	216492	North Road	A133	0.4
326	951532	East of England	Essex County Council	B1013	BU	584023	192438	Spa Road	Hill Lane	1
327	951540	East of England	Essex County Council	Highland Road	UU	539152	206214	Shooters Drive	Middle Street	0.26
328	951541	East of England	Essex County Council	GoldFinch Close	UU	602987	225486	Egret Crescent	End of Road	0.088
329	951542	East of England	Essex County Council	Poplar Road	UU	580080	183035	Furtherwick Road	End of Road	0.25
330	951546	East of England	Essex County Council	Tudor Green	UU	614917	213962	Boleyn Way	Spenser Way	0.28
331	951551	East of England	Essex County Council	Ongar Road	UU	558176	195282	A128	A128	0.21
332	951552	East of England	Essex County Council	Barnard Acres	UU	539420	205860	Hyde Mead	Crooked Way	0.2
333	951554	East of England	Essex County Council	Roundhills	UU	539335	199979	Honey Lane	Honey Lane	1.65
334	951563	East of England	Essex County Council	Carters Mead	UU	547000	209037	Southern Way	Carters Mead	0.4
335	951566	East of England	Essex County Council	Long Brandocks	UU	567199	206010	Well Field	Rollestons	0.55
336	951569	East of England	Essex County Council	The Uplands	UU	542650	196674	Carroll Hill	A121	0.4
337	951571	East of England	Essex County Council	John Kent Avenue	UU	597835	222886	Catherine Hunt Way	Catherine Hunt Way	0.4
									Totals	**671.076**

Table 55(a) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
1	131	168	11,548	37	1,671	181	12	15	12	9	3	234	13,658
2	44	257	12,813	47	3,794	337	60	58	18	44	52	568	17,480
3	35	142	12,161	154	2,356	193	37	48	45	30	50	404	15,217
4	10	119	13,411	81	2,828	298	61	41	45	82	71	599	17,039
5	63	50	12,821	135	2,365	237	58	51	7	6	9	368	15,739
6	18	84	12,325	109	2,951	304	26	14	1	1	2	349	15,818
7	55	144	11,844	107	2,150	336	33	92	6	11	15	493	14,738
8	21	102	10,509	36	2,333	478	204	228	8	47	50	1,015	13,995
9	182	334	22,462	55	3,174	330	59	81	27	58	55	610	26,635
10	36	83	6,741	140	1,245	185	60	94	25	35	61	460	8,668
11	96	88	11,955	286	2,469	330	50	21	7	16	19	443	15,240
12	3	57	5,707	52	1,616	140	43	30	11	44	55	322	7,755
13	63	138	13,097	115	2,427	343	42	30	13	21	26	475	16,252
14	332	189	8,656	668	1,025	84	10	3	5	2	9	112	10,651
15	306	133	14,371	50	3,604	509	104	69	10	39	34	765	18,923
16	30	205	22,137	80	3,595	383	58	25	30	86	42	624	26,641
17	315	140	18,099	346	2,474	246	34	15	19	90	103	508	21,566
18	17	291	24,444	153	5,392	484	71	76	91	155	125	1,001	31,282

Table 55(b) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
19	15	126	16,737	119	3,346	372	75	47	29	82	101	707	21,035
20	21	90	11,380	124	2,580	268	83	24	10	12	8	405	14,578
21	60	549	34,433	149	8,291	997	195	163	145	402	344	2,247	45,668
22	93	208	14,423	179	2,706	112	14	16	8	9	5	164	17,679
23	24	154	6,965	18	2,023	121	18	30	4	7	6	185	9,344
24	17	146	14,991	133	2,631	292	37	47	22	12	7	417	18,319
25	38	455	48,259	104	12,504	1,464	224	291	259	643	376	3,257	64,578
26	8	71	4,956	30	1,519	242	24	12	4	5	4	292	6,868
27	37	263	25,498	53	3,554	242	83	126	15	13	21	501	29,868
28	10	326	22,915	150	5,397	487	94	158	33	66	67	906	29,694
29	16	185	16,491	70	3,539	309	56	59	16	35	30	506	20,790
30	16	81	6,335	83	1,742	288	40	12	19	16	10	385	8,627
31	27	253	22,817	402	3,234	328	39	115	28	64	42	616	27,322
32	12	51	4,039	45	1,144	126	28	34	7	8	15	217	5,496
33	4	82	6,805	72	1,489	264	81	31	21	21	37	455	8,903
34	90	166	17,980	10	3,531	381	54	131	102	185	112	964	22,651
35	13	38	4,712	46	1,029	62	24	15	10	2	6	118	5,944
36	115	67	2,915	31	400	56	-	1	3	2	-	62	3,475

Table 55(c) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
37	131	86	9,609	102	2,272	313	78	54	29	83	59	615	12,683
38	21	197	21,346	94	4,021	452	74	87	84	145	132	974	26,632
39	110	263	34,983	934	4,173	315	64	54	25	18	5	482	40,834
40	305	109	13,272	35	1,454	94	20	21	7	6	3	152	15,022
41	41	74	10,042	21	1,365	85	19	13	2	1	1	121	11,623
42	11	707	50,846	71	13,102	1,640	220	256	211	561	1,067	3,954	68,680
43	8	110	4,431	81	1,441	193	29	26	19	6	32	304	6,367
44	135	144	13,652	168	2,239	225	26	23	5	5	4	288	16,490
45	109	196	21,919	261	3,411	385	85	89	31	109	160	858	26,645
46	186	169	21,448	44	3,015	118	63	120	17	4	7	329	25,004
47	140	64	8,791	32	1,100	79	21	14	4	2	1	122	10,109
48	147	430	25,987	187	3,387	546	49	91	68	26	21	801	30,792
49	48	82	5,140	62	760	180	16	14	6	19	30	266	6,309
50	3	95	5,591	46	1,460	107	40	27	14	3	12	204	7,397
51	3	54	2,953	44	1,087	189	25	42	12	21	33	323	4,460
52	11	62	5,428	42	1,312	228	59	8	12	11	15	332	7,176
53	149	75	17,029	137	2,301	209	49	15	22	16	10	321	19,863
54	47	80	13,917	81	2,415	237	39	28	7	6	3	320	16,812

Table 55(b) AM 10 Carbon Emissions - Traffic Count Data														
Year 1														
2014 Flow Data														
Pre-scheme														
Ref No	PedalCycles	Motorcycles	Cars Taxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles	
19	6	170	25218	83	3777	351	86	50	35	137	85	744	29992	
20	37	107	19606	147	2425	384	72	90	34	199	239	1017	23302	
21	0	61	14614	32	1871	182	28	61	13	41	29	354	16931	
22	10	40	4510	41	1005	134	23	30	11	39	19	255	5851	
23	3	95	18048	43	2718	565	99	141	362	778	425	2369	23273	
24	1	49	14635	73	2457	229	99	68	12	70	88	565	17780	
25	41	118	21545	161	2664	422	79	99	37	218	263	1118	25606	
26	84	81	15667	94	2474	361	73	144	86	298	208	1169	19487	
27	6	101	23602	164	3011	429	87	123	118	324	276	1357	28234	
28	123	87	3865	5	568	41	6	1	0	0	0	49	4574	
29	200	105	18086	235	1661	130	32	12	9	2	6	190	20276	
30	13	3	907	1	96	6	0	0	2	0	0	7	1014	
31	303	95	22525	105	1084	76	13	8	3	3	6	107	23916	
32	7	45	9527	36	890	23	15	2	1	1	0	42	10540	
33	3	2	1290	94	181	16	2	0	2	0	0	20	1587	
34	81	44	4082	24	527	46	15	2	6	1	2	71	4748	
35	0	46	9858	65	542	62	12	0	10	2	0	86	10597	
36	62	13	4577	61	238	23	8	0	0	2	0	33	4923	

Table 55(c) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	Cars Taxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
37	196	87	20226	237	1760	113	20	18	12	34	10	207	22517
38	75	56	12758	67	1601	108	13	6	4	2	2	134	14616
39	196	75	18828	55	2181	260	91	148	33	67	54	653	21792
40	106	15	2527	36	139	7	0	0	0	0	0	7	2724
41	30	4	2177	0	305	8	1	0	0	0	0	9	2495
42	21	48	13040	51	1565	157	16	36	24	60	40	333	15038
43	4	19	2123	0	170	14	1	1	0	1	0	18	2329
44	43	3	575	0	96	8	2	0	0	0	0	10	684
45	15	3	595	0	39	2	0	0	0	0	0	2	639
46	18	5	1989	0	159	17	0	0	1	2	0	19	2172
47	11	0	227	0	38	2	0	0	0	0	0	2	267
48	16	12	1579	36	132	4	4	0	0	0	0	7	1766
49	6	2	486	0	40	2	0	0	0	0	0	2	530
50	37	6	671	0	82	0	4	3	0	0	0	6	765
51	23	6	589	0	237	23	3	1	54	21	7	109	941
52	40	1	1061	74	78	7	2	1	0	0	0	10	1225
53	187	10	1004	0	303	35	18	8	2	3	5	71	1389
54	4	1	593	2	57	2	0	0	0	0	0	2	655
Totals	**2268**	**3657**	**637475**	**3680**	**83360**	**10247**	**1997**	**2155**	**1965**	**5459**	**4647**	**26458**	**754632**

Table 55(d) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
55	9	257	25,423	54	5,936	701	112	134	94	299	214	1,553	33,223
56	106	448	45,986	753	5,126	422	70	115	48	31	27	713	53,026
57	578	72	6,305	153	738	51	9	5	4	2	2	72	7,340
58	5	211	15,988	226	3,173	456	76	163	40	183	174	1,092	20,691
59	104	242	12,021	43	2,133	104	9	11	17	2	2	145	14,584
60	5	124	10,182	26	2,914	374	58	130	50	86	71	769	14,016
61	38	357	58,532	105	10,569	1,168	258	189	113	236	561	2,525	72,087
62	19	48	7,859	258	2,141	145	42	24	3	5	5	224	10,530
63	12	126	9,390	89	1,898	238	55	45	44	65	91	537	12,040
64	73	203	17,697	127	2,868	530	63	97	28	54	58	831	21,727
65	100	311	26,518	120	3,575	271	59	25	34	23	26	438	30,961
66	63	218	30,345	181	4,580	277	67	37	16	62	57	516	35,840
67	22	133	7,821	42	1,534	188	28	25	7	34	29	311	9,841
68	50	51	13,120	196	2,001	79	8	18	4	3	-	112	15,480
69	85	173	18,228	98	4,007	512	135	69	73	81	94	964	23,471
70	2	160	10,803	133	2,774	407	58	90	8	50	46	660	14,531
71	16	198	17,809	95	3,998	290	69	68	5	15	7	455	22,555
72	4	224	22,233	74	3,020	438	62	57	25	82	75	739	26,291

Table 55(e) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
73	47	118	14,852	318	1,964	138	13	11	11	11	-	184	17,436
74	82	227	22,474	96	4,003	220	30	30	16	42	40	379	27,178
75	225	198	19,325	278	3,162	352	46	72	21	31	12	534	23,497
76	1	74	13,318	28	2,575	382	71	65	38	94	67	718	16,713
77	2	136	17,385	119	3,404	459	97	313	42	129	135	1,175	22,219
78	6	141	11,562	50	2,310	168	18	35	3	2	6	232	14,295
79	85	190	14,916	172	2,753	195	85	23	6	2	5	315	18,346
80	40	84	10,501	90	1,783	140	24	18	8	3	4	196	12,654
81	194	489	37,449	816	4,077	424	81	83	33	28	17	667	43,497
82	56	191	11,114	146	1,692	250	28	83	14	9	8	392	13,535
83	164	252	23,759	116	3,512	441	73	91	19	65	89	777	28,416
84	157	170	26,701	96	2,908	422	80	175	15	53	52	795	30,670
85	92	96	8,812	59	1,663	223	21	24	4	6	4	282	10,912
86	10	79	6,198	51	1,657	158	42	49	12	5	13	279	8,264
87	2	54	3,436	31	1,184	107	33	11	8	16	16	191	4,896
88	25	148	20,862	155	3,609	422	72	103	68	130	135	929	25,703
89	37	55	12,129	104	1,612	100	29	12	33	20	24	218	14,118
90	52	366	31,417	189	6,945	930	184	134	40	128	292	1,707	40,624

Table 55(f) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
91	94	103	15,299	301	2,785	283	42	40	14	17	31	427	18,914
92	6	119	21,440	137	4,559	532	58	71	96	78	95	930	27,186
93	22	103	12,491	70	3,019	139	50	33	4	18	15	259	15,941
94	12	226	22,065	63	4,429	411	85	65	44	123	129	857	27,640
95	21	221	22,223	124	3,670	331	51	125	42	47	38	635	26,873
96	115	173	14,692	101	2,660	314	49	23	10	21	25	441	18,067
97	92	367	35,169	224	4,729	417	83	98	51	45	43	739	41,228
98	182	207	20,669	89	4,111	268	61	33	9	36	36	444	25,521
99	4	678	45,445	89	10,028	1,149	243	527	243	898	798	3,858	60,099
100	99	362	26,454	394	3,983	268	65	27	36	24	25	445	31,639
101	7	87	8,496	59	2,117	293	53	60	18	49	39	511	11,272
102	100	175	24,698	101	3,704	212	72	17	15	30	27	372	29,050
103	54	486	49,584	151	10,175	1,313	127	175	100	246	544	2,506	62,902
104	3	70	8,977	59	2,284	284	48	75	26	70	72	576	11,966
105	28	731	64,106	95	12,453	1,486	208	312	122	288	411	2,827	80,211
106	3	168	6,669	12	1,729	120	49	14	8	9	12	212	8,790
107	-	202	18,220	52	4,703	458	80	197	18	57	41	851	24,029
108	69	141	11,205	256	1,790	116	25	6	6	1	2	155	13,548

Table 55(g) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
109	138	273	25,969	190	4,874	421	130	151	31	133	69	936	32,241
110	15	254	29,699	229	5,223	356	48	85	14	12	65	581	35,985
111	60	200	13,795	116	2,620	156	71	55	7	19	32	338	17,069
112	84	145	14,302	477	1,852	186	31	31	11	10	27	297	17,073
113	15	120	12,368	96	2,119	383	84	40	16	81	115	720	15,423
114	220	217	26,652	182	4,841	425	110	49	67	95	94	841	32,733
115	323	146	11,712	334	1,889	168	26	10	4	1	3	212	14,293
116	4	55	6,210	8	2,052	154	18	41	2	4	4	223	8,549
117	105	113	9,426	56	1,294	125	25	20	14	75	97	357	11,247
118	70	94	10,397	127	3,249	388	49	119	10	14	28	608	14,474
119	13	161	16,096	137	4,019	405	51	94	37	38	52	677	21,090
120	14	77	14,502	55	2,781	471	168	142	21	73	109	983	18,399
121	31	185	18,101	246	2,203	203	41	42	15	41	32	374	21,109
122	29	181	21,516	225	2,891	692	125	219	77	218	204	1,536	26,348
123	112	93	11,708	50	1,167	119	12	8	4	4	3	151	13,169
124	42	168	8,022	26	2,154	308	146	220	23	218	306	1,221	11,591
125	2	138	11,057	22	2,776	420	72	55	79	318	419	1,363	15,356
126	17	48	3,327	11	580	81	3	4	1	2	4	96	4,063

Table 55(h) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
127	16	53	8,447	58	1,288	58	7	17	2	1	5	90	9,936
128	53	152	17,421	700	1,501	217	36	4	-	4	3	263	20,038
129	3	108	11,136	50	2,402	362	68	255	56	129	98	967	14,663
130	1	534	49,759	108	9,992	1,215	281	515	129	288	1,283	3,712	64,105
131	194	274	20,557	548	3,898	281	39	27	8	7	9	371	25,649
132	69	137	9,256	34	1,476	140	23	15	8	29	47	263	11,165
133	23	41	6,693	47	1,194	245	26	35	35	57	46	444	8,419
134	11	67	2,747	24	460	101	20	3	3	19	14	160	3,457
135	64	64	6,437	155	1,028	135	19	9	4	11	8	187	7,870
136	7	102	3,916	24	855	142	42	56	7	51	73	372	5,269
137	65	108	13,497	163	2,285	138	27	30	8	20	36	258	16,312
138	82	113	14,313	151	2,704	322	77	85	4	10	14	513	17,794
139	2	73	16,090	68	2,455	339	79	100	30	110	87	744	19,430
140	50	51	13,120	196	2,001	79	8	18	4	3	-	112	15,480
141	135	144	13,652	168	2,239	225	26	23	5	5	4	288	16,490
142	50	47	3,966	230	847	103	14	7	2	3	2	131	5,220
143	111	253	33,712	168	5,165	510	130	69	83	128	68	987	40,285
144	276	498	55,832	666	8,689	981	216	226	79	277	407	2,186	67,870

Table 55(i) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
145	29	109	26,105	156	4,285	559	77	225	85	243	191	1,379	32,035
146	57	84	10,792	80	1,672	74	17	9	8	5	5	119	12,746
147	88	97	12,319	194	2,003	145	17	38	7	5	8	221	14,833
148	178	160	15,617	163	2,148	208	22	62	8	11	6	318	18,406
149	40	108	12,894	230	3,453	394	88	82	17	51	50	683	17,367
150	20	118	14,054	117	3,436	371	80	67	81	340	471	1,409	19,134
151	25	25	7,566	291	1,194	122	33	4	2	1	1	163	9,241
152	-	184	37,284	134	8,068	1,154	175	268	189	715	537	3,039	48,708
153	15	603	49,761	111	11,897	1,415	181	177	219	474	828	3,295	65,667
154	52	88	15,448	90	2,680	263	44	31	8	6	3	355	18,662
155	41	211	21,550	276	2,711	228	19	48	21	66	32	413	25,160
156	24	52	10,429	39	1,423	156	71	14	5	4	5	254	12,197
157	52	88	15,448	90	2,680	263	44	31	8	6	3	355	18,662
158	18	58	6,032	146	1,009	53	17	11	-	1	1	84	7,328
159	116	108	13,043	232	2,286	318	122	126	12	16	46	641	16,310
160	236	157	9,236	224	1,709	165	37	23	13	21	23	281	11,608
161	87	80	10,879	260	2,246	300	45	19	6	14	17	403	13,868
162	132	358	26,052	143	4,771	587	134	305	41	101	139	1,307	32,631

Table 55(j) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
163	5	146	13,496	55	2,744	481	108	143	37	179	141	1,089	17,530
164	5	234	17,747	251	3,522	506	85	181	44	204	193	1,212	22,967
165	16	133	13,729	107	2,352	425	93	45	18	90	128	799	17,119
166	16	76	11,216	100	2,685	276	24	13	1	1	2	317	14,394
167	208	311	26,272	198	4,519	430	76	75	24	49	34	687	31,987
168	70	71	10,343	74	2,357	283	38	18	9	2	12	363	13,209
169	28	84	7,789	123	2,740	320	52	29	21	46	51	518	11,254
170	42	106	13,381	286	1,769	124	12	10	10	10	-	166	15,708
171	35	205	20,092	273	2,445	225	45	47	17	46	35	415	23,431
172	115	269	13,344	47	2,368	115	10	12	19	2	3	161	16,188
173	18	155	15,890	141	2,789	309	39	50	24	12	7	442	19,418
174	19	82	10,356	113	2,348	244	75	22	9	11	7	368	13,266
175	38	67	9,138	19	1,242	78	18	12	1	1	1	110	10,577
176	4	58	6,583	9	2,175	163	19	43	2	4	5	237	9,062
177	78	37	13,795	140	2,493	360	83	33	22	14	17	528	16,993
178	58	131	16,141	109	2,618	168	41	14	22	20	24	288	19,288
179	129	86	11,894	71	1,817	176	25	20	6	11	5	243	14,111
180	32	79	13,545	104	2,263	171	33	47	10	18	12	289	16,280
Table 55(k) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													

Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
181	5	60	4,252	68	1,212	126	35	3	6	4	3	177	5,770
182	16	61	7,316	118	1,761	218	28	23	7	36	33	345	9,601
183	33	61	8,644	107	1,982	300	39	17	15	19	16	405	11,199
184	10	106	9,200	144	2,249	214	30	30	10	37	41	361	12,061
185	-	339	33,195	115	7,189	984	184	279	173	702	659	2,981	43,819
186	2	409	36,552	79	8,472	967	220	296	154	600	476	2,715	48,227
187	31	302	20,576	97	3,133	323	78	74	25	97	114	712	24,819
188	28	167	15,420	36	2,810	240	46	101	27	34	25	471	18,904
189	4	84	12,769	61	2,710	261	74	69	13	14	127	557	16,181
190	24	159	20,634	71	4,426	272	77	116	27	62	44	599	25,889
191	3	122	16,486	110	3,082	525	36	43	61	51	63	778	20,580
192	4	86	5,043	29	1,363	196	58	43	20	88	174	579	7,100
193	36	230	29,051	229	4,459	712	106	139	78	218	156	1,408	35,377
194	28	15	2,875	9	490	65	5	3	1	39	51	164	3,554
195	10	27	2,204	41	427	37	7	-	5	3	2	55	2,754
196	9	5	1,697	18	454	46	9	9	4	1	1	70	2,243
197	51	112	9,875	60	1,890	155	47	27	23	19	19	290	12,226
198	33	62	3,326	43	736	89	8	54	14	7	6	179	4,345

Table 55(l) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
199	19	37	6,191	51	1,222	120	35	73	3	12	10	253	7,754
200	62	84	5,911	68	1,049	165	29	13	5	7	5	223	7,334
201	40	37	5,184	30	1,094	98	12	3	1	1	3	120	6,464
202	20	31	2,028	34	417	47	12	3	2	5	-	70	2,580
203	118	24	2,398	14	446	38	3	8	9	4	-	62	2,944
204	29	49	2,687	22	678	72	17	8	39	3	7	146	3,580
205	88	135	11,346	119	1,670	156	9	14	6	4	11	200	13,470
206	16	15	1,460	8	198	24	-	1	2	-	4	30	1,711
207	27	43	1,315	10	300	26	3	5	5	2	1	42	1,710
208	18	72	4,982	9	894	162	36	20	18	82	68	386	6,343
209	20	56	3,783	19	1,051	68	8	34	2	11	10	134	5,043
210	72	61	4,233	28	929	93	18	17	22	10	7	168	5,419
211	76	227	12,697	70	2,356	153	29	44	18	40	62	346	15,695
212	13	40	6,602	48	1,073	134	9	4	5	8	1	160	7,924
213	15	127	7,406	53	1,296	165	18	26	31	9	6	255	9,136
214	19	18	2,759	17	420	27	5	3	7	2	-	44	3,258
215	61	20	1,471	21	322	24	5	4	13	3	7	56	1,890
216	27	57	1,758	19	334	34	7	2	7	7	10	67	2,236

Table 55(m) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
217	70	45	9,675	29	2,025	112	9	13	4	1	1	141	11,915
218	4	46	4,262	39	917	66	16	43	4	7	10	145	5,408
219	23	70	5,162	19	838	120	11	6	17	30	47	232	6,321
220	7	24	1,540	8	273	21	-	3	8	-	1	34	1,878
221	11	45	4,758	11	843	129	25	6	7	12	9	187	5,844
222	38	38	12,958	43	1,769	92	22	27	8	2	3	153	14,962
223	89	37	5,623	73	716	109	7	10	4	-	1	131	6,580
224	98	84	13,184	244	1,480	100	18	13	6	1	1	140	15,132
225	151	72	3,979	25	517	73	12	2	3	7	10	106	4,699
226	100	50	7,513	77	1,386	188	19	65	6	13	20	311	9,337
227	90	272	12,653	116	2,451	172	58	72	33	9	10	353	15,846
228	75	79	6,876	10	809	54	4	2	4	-	-	64	7,839
229	89	109	15,224	26	2,600	279	19	43	16	106	54	517	18,476
230	57	41	8,978	145	1,410	56	14	-	3	1	1	74	10,648
231	41	18	1,219	-	308	31	9	1	-	12	1	54	1,598
232	30	32	1,680	35	332	33	8	7	10	19	10	87	2,167
233	18	3	458	2	109	12	3	-	-	-	-	15	588
234	8	7	979	5	135	22	4	5	2	-	-	34	1,159

Table 55(n) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
235	17	1	281	-	68	1	1	1	19	-	-	23	372
236	38	32	3,186	17	403	71	1	3	-	3	2	80	3,718
237	5	15	1,095	-	199	9	1	-	-	-	-	10	1,318
238	9	2	60	-	36	8	1	2	-	-	-	10	109
239	68	12	642	3	140	19	2	10	2	-	-	33	830
240	36	10	504	-	70	2	-	-	-	-	-	2	586
241	28	46	7,543	67	967	81	7	14	4	-	2	108	8,731
242	8	6	290	3	72	10	1	-	1	-	1	13	384
243	17	5	449	5	101	12	-	2	10	-	-	24	584
244	40	34	2,343	15	491	59	16	17	11	4	5	111	2,995
245	13	1	116	-	39	6	-	8	2	-	-	16	172
246	46	15	1,649	19	220	27	5	-	4	6	7	49	1,953
247	14	47	4,189	1	735	104	17	3	22	59	8	213	5,186
248	20	28	1,080	21	223	41	8	4	6	-	-	59	1,412
249	7	29	1,034	12	251	24	9	-	8	2	5	48	1,374
250	150	69	10,656	19	1,665	95	21	7	27	5	3	158	12,567
251	10	12	7,151	4	620	19	2	3	-	1	-	25	7,812
252	28	25	2,958	22	689	38	3	3	2	1	1	46	3,740

Table 55(o) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
253	46	24	2,330	3	351	20	4	-	1	1	4	29	2,736
254	24	24	4,705	32	595	44	1	4	-	-	-	48	5,404
255	29	31	3,263	5	523	19	2	-	-	-	-	21	3,843
256	74	15	3,510	48	718	45	7	1	10	-	-	62	4,353
257	68	23	3,759	71	670	62	4	2	6	2	4	81	4,605
258	119	88	9,690	64	1,142	104	5	6	12	6	2	135	11,119
259	68	49	8,665	36	986	54	7	5	-	1	-	67	9,802
260	23	28	5,446	70	951	108	8	29	4	2	3	153	6,648
261	12	-	111	-	32	-	-	-	-	-	-	-	143
262	21	13	1,372	-	362	27	1	-	-	-	-	28	1,776
263	115	6	1,194	-	112	1	6	-	-	-	-	7	1,319
264	30	5	1,155	3	187	10	1	-	-	-	-	11	1,361
265	60	21	2,884	3	482	39	8	-	-	-	-	46	3,436
266	24	3	303	-	57	6	2	-	-	-	1	9	371
267	5	2	1,248	8	226	47	7	3	12	-	1	69	1,554
268	80	24	1,664	2	275	8	1	1	3	-	-	13	1,977
269	4	16	785	-	61	4	-	-	-	-	-	4	866
270	28	4	1,355	41	173	19	4	-	-	-	2	25	1,598

Table 55(p) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
271	29	4	1,521	12	288	22	5	27	2	3	3	61	1,885
272	11	1	539	-	60	-	-	2	-	-	-	2	602
273	-	4	573	-	72	3	1	-	-	-	-	5	653
274	38	2	876	67	109	4	-	-	-	-	-	4	1,058
275	12	1	232	2	22	3	-	2	-	-	-	5	262
276	68	8	826	12	203	11	1	1	8	2	-	25	1,073
277	32	20	1,119	-	481	119	14	9	56	140	101	439	2,059
278	6	-	275	-	46	4	-	-	-	-	-	4	325
279	11	5	267	-	53	1	1	-	-	-	-	2	328
280	25	4	389	2	78	1	-	-	-	-	-	1	473
281	1	20	2,216	50	297	10	-	-	-	-	-	10	2,594
282	4	2	582	-	83	2	-	-	-	-	-	2	669
283	15	12	1,111	127	160	6	-	-	-	-	-	6	1,416
284	67	17	1,253	134	212	15	6	-	-	-	-	20	1,636
285	13	-	206	-	43	2	1	-	-	-	-	3	252
286	91	5	754	38	84	9	4	-	-	1	-	13	894
287	84	37	8,225	104	587	61	4	1	3	-	-	69	9,022
288	6	3	1,089	2	125	19	2	1	-	-	-	22	1,241

Table 55(q) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
289	15	4	702	-	160	6	-	1	-	-	-	7	873
290	6	2	501	-	78	2	-	-	-	-	-	2	582
291	45	3	584	-	74	1	-	1	-	-	-	2	663
292	9	4	677	-	83	4	-	-	-	-	-	4	769
293	14	13	416	89	70	3	-	-	-	-	-	3	592
294	32	9	866	-	118	3	1	-	-	-	-	4	996
295	3	-	140	-	21	1	-	-	-	-	-	1	162
296	41	2	2,453	11	123	22	-	-	-	-	-	22	2,610
297	6	8	664	-	87	4	2	-	-	-	-	6	765
298	9	5	436	2	48	2	-	-	-	-	-	2	493
299	43	6	401	-	59	-	-	-	-	-	-	-	466
300	17	3	991	-	87	11	1	-	-	-	-	12	1,094
301	5	6	772	-	73	3	-	-	-	-	-	3	854
302	6	3	357	-	33	2	1	1	-	-	-	4	398
303	10	1	485	-	71	3	-	-	-	-	-	3	560
304	-	9	352	-	45	2	-	-	-	-	-	2	408
305	-	4	358	-	61	-	2	-	-	-	-	2	424
306	15	1	312	-	41	2	-	-	-	-	-	2	356

Table 55(r) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
307	65	70	7,744	79	856	52	6	-	3	-	-	61	8,810
308	17	7	456	-	74	-	-	-	-	-	-	-	537
309	22	2	499	-	91	-	-	1	-	-	-	1	594
310	3	14	581	-	80	4	-	-	-	-	-	4	679
311	-	-	90	-	12	-	-	-	-	-	-	-	101
312	13	6	1,100	-	85	3	-	-	-	-	-	3	1,194
313	10	5	612	-	135	5	-	-	-	-	-	5	757
314	25	2	523	-	37	2	-	-	-	-	-	2	564
315	8	4	244	-	41	2	-	-	-	-	-	2	290
316	20	13	1,649	-	808	162	4	38	2	6	6	218	2,688
317	41	4	1,279	2	297	10	7	-	-	-	-	16	1,597
318	7	3	437	-	81	-	-	-	-	-	-	-	522
319	66	39	2,951	70	348	9	3	-	5	-	-	16	3,423
320	-	-	536	-	59	-	-	-	-	-	-	-	595
321	76	83	2,933	50	719	109	11	1	12	5	2	140	3,926
322	64	57	3,525	52	602	49	4	7	5	1	13	79	4,315
323	84	202	9,982	63	1,513	148	117	145	10	13	11	442	12,202
324	4	10	2,239	38	479	36	5	9	8	3	-	62	2,827

Table 55(s) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2014 Flow Data													
Pre-scheme													
Ref No	**PedalCycles**	**Motorcycles**	**CarsTaxis**	**BusesCoaches**	**LightGoodsVehicles**	**V2AxleRigidHGV**	**V3AxleRigidHGV**	**V4or5AxleRigidHGV**	**V3or4AxleArticHGV**	**V5AxleArticHGV**	**V6orMoreAxleArticHGV**	**AllHGVs**	**AllMotorVehicles**
325	95	176	9,280	90	1,757	83	14	14	19	11	10	150	11,453
326	48	71	11,201	63	1,722	129	14	21	-	1	1	166	13,223
327	6	-	583	-	69	3	1	-	-	-	-	4	656
328	1	-	126	-	6	12	2	-	-	-	-	14	145
329	18	3	201	-	38	-	1	-	-	-	-	1	242
330	2	-	177	-	49	6	1	-	-	-	-	7	232
331	79	64	13,833	79	2,123	195	37	41	29	16	8	324	16,423
332	1	-	371	2	38	2	1	2	-	-	-	5	416
333	2	6	307	5	64	1	-	-	-	-	-	1	383
334	25	6	920	-	99	21	-	1	2	-	-	24	1,048
335	37	6	584	2	85	-	-	-	-	-	-	-	677
336	2	1	522	-	42	5	-	-	-	-	-	5	571
337	18	4	723	56	101	10	2	1	1	-	-	14	898
Totals	**17,187**	**37,243**	**3,677,618**	**31,195**	**674,398**	**72,332**	**13,367**	**15,431**	**6,806**	**15,610**	**17,925**	**141,466**	**4,561,912**

Table 55(t) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
1	130	160	11,411	38	1,788	182	13	15	16	9	3	239	13,637
2	43	266	13,200	46	4,217	352	67	60	23	45	54	602	18,331
3	35	147	12,528	152	2,619	202	42	50	58	31	52	435	15,881
4	10	124	13,815	80	3,144	312	69	43	58	85	73	640	17,803
5	112	58	13,296	133	1,955	128	41	40	23	15	14	261	15,703
6	17	74	12,569	118	3,095	288	27	13	2	1	2	333	16,188
7	51	127	12,078	116	2,255	319	34	87	8	11	14	472	15,048
8	27	91	14,456	26	2,720	345	79	160	32	189	118	924	18,217
9	169	339	22,050	55	3,338	321	62	79	33	57	54	606	26,389
10	36	79	6,661	143	1,332	185	65	94	31	35	62	472	8,687
11	89	77	12,192	308	2,589	313	51	20	8	15	18	426	15,592
12	3	54	5,640	53	1,730	140	46	30	14	44	55	329	7,806
13	58	121	13,357	124	2,545	326	43	28	16	20	25	458	16,605
14	309	167	8,828	720	1,075	79	10	3	6	2	8	108	10,898
15	285	117	14,656	54	3,780	483	106	66	11	37	33	737	19,344
16	28	209	21,731	79	3,781	372	61	25	37	84	42	620	26,420
17	293	143	17,767	343	2,602	239	36	15	23	89	102	504	21,358
18	15	296	23,996	152	5,672	471	74	74	111	152	123	1,006	31,121

Table 55(u) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
19	15	130	17,242	117	3,720	389	85	49	37	85	104	750	21,959
20	19	79	11,605	133	2,705	254	85	23	11	11	8	393	14,916
21	83	391	34,226	150	8,066	891	176	300	125	472	390	2,356	45,189
22	86	184	14,708	193	2,838	107	14	15	10	8	5	159	18,081
23	24	147	6,883	18	2,165	121	19	30	5	7	6	187	9,400
24	17	151	15,443	131	2,925	305	42	49	29	12	7	444	19,094
25	44	494	48,086	138	11,534	1,283	207	217	203	426	349	2,686	62,938
26	10	57	6,224	55	1,052	102	32	29	6	10	3	181	7,570
27	34	267	25,030	52	3,738	235	87	123	19	13	21	498	29,586
28	9	324	23,657	116	5,262	422	91	105	29	98	65	811	30,170
29	15	188	16,188	69	3,722	301	59	57	20	35	29	501	20,669
30	16	77	6,260	85	1,865	288	44	12	23	16	10	393	8,681
31	26	257	22,398	399	3,402	319	41	112	34	63	42	611	27,066
32	12	49	3,991	46	1,225	126	30	34	9	8	15	221	5,532
33	4	78	6,725	74	1,594	264	87	31	26	21	37	467	8,938
34	84	169	17,650	10	3,714	371	57	127	124	182	110	971	22,514
35	13	37	4,656	47	1,102	62	26	15	13	2	6	123	5,965
36	107	60	2,972	34	419	53	-	1	4	2	-	59	3,544

Table 55(v) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
37	122	76	9,799	110	2,382	297	79	51	34	80	57	599	12,965
38	24	200	20,961	107	4,140	431	76	55	57	127	76	821	26,230
39	102	267	34,341	926	4,389	306	67	53	30	18	5	480	40,403
40	284	96	13,535	38	1,525	89	20	20	8	6	3	147	15,341
41	38	65	10,241	22	1,432	81	20	13	2	1	1	117	11,877
42	4	270	50,501	57	13,288	1,706	302	287	351	528	1,062	4,236	68,352
43	8	105	4,378	83	1,542	193	31	26	23	6	33	312	6,420
44	126	127	13,922	180	2,348	213	27	22	6	5	3	276	16,854
45	114	204	22,746	265	3,647	402	89	89	40	116	168	905	27,766
46	173	172	21,054	44	3,171	114	66	117	21	4	7	329	24,770
47	131	57	8,965	34	1,153	75	22	13	5	2	1	118	10,327
48	146	390	27,971	150	4,019	456	57	198	69	22	45	846	33,375
49	48	78	5,080	63	814	181	17	14	8	19	31	269	6,303
50	3	91	5,525	47	1,563	107	44	27	17	3	12	211	7,437
51	10	71	3,493	39	776	111	20	9	15	38	37	230	4,608
52	11	59	5,364	43	1,405	228	64	8	15	11	15	341	7,210
53	138	66	17,366	148	2,413	199	50	14	27	15	10	314	20,307
54	44	70	14,193	87	2,532	225	40	27	8	5	3	308	17,191

Table 55(w) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
55	8	261	24,956	54	6,244	682	117	130	114	295	211	1,549	33,065
56	130	393	48,698	692	5,093	366	79	69	24	27	20	586	55,462
57	537	63	6,430	165	774	48	9	4	5	2	2	70	7,502
58	20	262	20,536	31	3,548	360	102	110	62	226	217	1,077	25,454
59	103	250	12,384	42	2,371	108	10	12	22	2	3	156	15,203
60	5	128	10,489	25	3,239	391	65	136	64	89	74	820	14,702
61	35	745	53,049	110	10,746	1,832	192	211	133	257	602	3,228	67,878
62	18	42	8,015	278	2,245	138	43	23	4	5	4	216	10,797
63	12	120	9,279	91	2,031	238	59	45	55	65	91	553	12,075
64	153	249	17,479	66	2,860	302	50	77	33	45	59	566	21,221
65	93	316	26,031	119	3,760	263	62	25	42	22	26	440	30,666
66	59	222	29,788	180	4,817	269	70	36	20	61	57	513	35,520
67	22	127	7,728	43	1,642	188	30	25	9	34	29	316	9,856
68	47	45	13,380	212	2,098	75	9	17	5	3	-	108	15,842
69	79	176	17,894	98	4,215	498	141	67	89	80	93	968	23,351
70	2	63	12,939	70	3,037	281	50	76	30	46	29	513	16,622
71	46	285	16,916	61	2,903	267	32	82	22	18	10	430	20,595
72	4	232	22,903	73	3,357	458	71	59	32	85	77	783	27,348

Table 55(x) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
73	44	104	15,146	342	2,059	131	13	10	13	11	-	178	17,831
74	122	278	24,248	65	3,886	280	48	53	22	45	51	499	28,977
75	209	201	18,970	276	3,325	343	49	70	26	30	12	529	23,302
76	1	77	13,719	28	2,862	400	81	68	49	98	69	764	17,450
77	2	141	17,909	117	3,784	480	110	327	54	133	140	1,244	23,195
78	6	146	11,910	50	2,568	176	20	36	4	2	6	245	14,919
79	79	167	15,212	185	2,887	185	88	22	7	2	4	307	18,758
80	40	80	10,377	92	1,909	140	25	18	10	3	4	200	12,658
81	180	498	36,761	809	4,288	412	85	81	40	27	17	664	43,020
82	56	182	10,983	149	1,811	250	30	83	17	9	8	398	13,524
83	145	329	24,010	199	2,644	455	62	55	38	57	82	748	27,930
84	241	161	31,860	82	2,430	321	49	21	39	25	33	487	35,020
85	86	85	8,987	64	1,744	212	22	23	4	6	4	270	11,149
86	10	75	6,125	52	1,774	158	45	49	15	5	13	286	8,312
87	2	51	3,395	32	1,267	107	35	11	10	16	16	196	4,942
88	25	154	21,491	152	4,012	441	81	107	88	134	140	991	26,800
89	34	49	12,369	112	1,691	95	30	12	39	19	23	217	14,438
90	18	310	28,789	173	6,014	763	206	144	38	109	262	1,523	36,809

Table 55(y) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
91	88	91	15,602	324	2,920	268	43	38	17	16	30	412	19,349
92	15	135	21,587	139	4,658	500	83	92	43	99	77	894	27,412
93	30	162	12,735	39	2,601	165	32	78	9	7	2	294	15,831
94	12	234	22,730	62	4,923	430	96	68	57	128	133	911	28,860
95	20	228	22,893	122	4,079	346	57	131	54	48	40	677	28,000
96	107	153	14,983	108	2,789	298	50	22	11	21	24	425	18,459
97	86	373	34,524	222	4,974	406	88	96	63	44	43	739	40,832
98	169	211	20,290	88	4,324	261	65	33	11	36	35	440	25,353
99	6	603	47,188	99	11,454	1,175	262	702	143	879	801	3,962	63,306
100	92	368	25,969	391	4,190	260	68	27	44	24	25	448	31,365
101	7	84	8,396	61	2,267	293	57	60	22	49	39	521	11,328
102	93	178	24,244	100	3,896	206	75	17	18	29	27	372	28,791
103	75	589	50,620	142	9,653	1,224	225	184	116	144	453	2,346	63,350
104	3	67	8,871	60	2,445	284	52	75	33	70	73	587	12,030
105	44	629	61,147	125	12,629	1,372	299	333	104	137	516	2,761	77,289
106	3	161	6,590	12	1,851	120	53	14	10	9	12	218	8,832
107	9	262	19,452	26	4,004	442	68	34	23	84	65	714	24,459
108	64	124	11,427	276	1,878	110	26	5	7	1	2	151	13,855

Table 55(z) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
109	128	277	25,492	189	5,126	409	137	147	38	131	68	931	32,015
110	14	258	29,154	227	5,494	346	51	83	16	12	64	573	35,706
111	60	207	14,211	114	2,913	163	80	58	8	19	33	361	17,804
112	78	128	14,585	514	1,942	177	32	29	13	10	26	287	17,456
113	15	124	12,741	95	2,355	401	95	42	21	84	120	762	16,077
114	204	221	26,163	180	5,092	413	116	48	82	94	93	845	32,502
115	301	129	11,944	360	1,981	159	27	9	4	1	3	204	14,618
116	4	52	6,137	9	2,197	154	19	41	3	4	4	226	8,620
117	97	100	9,613	60	1,357	119	26	19	17	72	94	347	11,477
118	65	83	10,602	137	3,407	368	50	113	11	13	27	583	14,812
119	12	166	16,581	134	4,468	423	58	99	47	39	54	720	22,070
120	13	68	14,790	59	2,917	447	172	135	25	70	105	953	18,787
121	29	188	17,769	244	2,317	197	43	41	19	41	31	371	20,890
122	29	187	22,165	221	3,214	724	141	229	99	226	212	1,630	27,416
123	104	82	11,940	54	1,224	113	13	8	5	4	3	145	13,445
124	39	148	8,181	28	2,258	292	149	209	28	209	295	1,182	11,799
125	2	143	11,390	22	3,086	439	81	58	101	330	434	1,442	16,083
126	16	46	3,288	12	621	81	3	4	2	2	4	97	4,063

Table 55(aa) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
127	15	47	8,615	62	1,350	55	7	16	3	1	4	87	10,161
128	55	98	14,324	1,006	1,352	256	25	21	6	10	5	323	17,103
129	3	112	11,471	49	2,670	378	76	267	72	134	101	1,028	15,331
130	-	859	49,090	140	11,410	1,565	295	800	104	325	1,406	4,496	65,995
131	281	214	22,529	480	3,252	204	32	13	20	5	7	281	26,755
132	69	131	9,146	34	1,580	140	25	15	11	29	47	267	11,158
133	22	41	6,647	47	1,299	255	30	37	44	58	47	471	8,505
134	11	65	2,790	25	488	105	22	3	3	19	14	166	3,534
135	60	57	6,564	167	1,078	128	20	8	5	10	8	180	8,045
136	7	100	4,043	26	935	148	47	59	9	52	74	389	5,492
137	60	95	13,764	176	2,396	131	28	28	10	19	35	250	16,682
138	77	100	14,597	162	2,835	306	79	81	5	10	14	494	18,188
139	2	76	16,575	66	2,729	355	90	104	38	113	90	790	20,237
140	47	45	13,380	212	2,098	75	9	17	5	3	-	108	15,842
141	126	127	13,922	180	2,348	213	27	22	6	5	3	276	16,854
142	46	41	4,044	248	888	98	15	7	2	3	2	126	5,347
143	104	257	33,093	167	5,433	496	136	67	102	126	67	993	39,944
144	264	473	52,763	614	8,459	933	206	206	94	270	391	2,099	64,409

Table 55(ab) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
145	115	231	27,348	133	4,213	718	115	370	85	250	285	1,823	33,748
146	53	74	11,005	86	1,753	70	18	8	10	5	5	116	13,035
147	82	85	12,563	209	2,100	138	18	36	9	5	8	213	15,170
148	165	141	15,926	176	2,253	197	23	59	10	11	6	306	18,801
149	37	95	13,149	248	3,621	373	90	78	21	49	48	660	17,773
150	20	122	14,478	115	3,819	388	90	70	104	352	488	1,492	20,026
151	24	22	7,716	314	1,252	116	34	4	2	1	1	158	9,463
152	-	279	37,496	112	8,958	1,199	283	346	184	712	619	3,342	50,187
153	5	360	43,761	106	9,698	1,119	205	218	192	350	665	2,749	56,674
154	49	78	15,754	97	2,811	250	45	30	9	6	3	342	19,081
155	40	218	22,200	271	3,014	238	21	50	27	68	33	438	26,140
156	22	46	10,635	42	1,492	148	73	13	5	4	4	248	12,463
157	49	78	15,754	97	2,811	250	45	30	9	6	3	342	19,081
158	16	51	6,152	157	1,058	51	17	10	1	1	1	81	7,498
159	108	95	13,302	250	2,398	302	125	120	15	15	44	621	16,666
160	219	139	9,419	242	1,793	156	38	22	16	20	22	274	11,865
161	81	70	11,094	280	2,356	285	47	18	7	14	17	388	14,188
162	101	189	24,724	113	3,560	461	70	64	33	90	99	816	29,402

Table 55(ac) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
163	4	129	13,764	59	2,878	456	110	136	44	172	136	1,054	17,883
164	22	291	22,795	35	3,938	400	114	122	68	251	240	1,195	28,254
165	16	137	14,143	105	2,614	445	105	47	23	93	133	846	17,845
166	15	67	11,438	107	2,816	262	25	12	1	1	2	303	14,731
167	205	268	26,123	172	4,047	371	50	47	37	44	28	577	31,187
168	65	63	10,548	80	2,472	268	39	17	11	2	11	349	13,513
169	23	70	10,264	152	2,918	403	56	57	28	109	53	707	14,111
170	39	94	13,645	308	1,855	118	12	9	12	10	-	161	16,064
171	32	208	19,724	271	2,572	219	47	45	21	45	35	412	23,188
172	115	278	13,746	46	2,632	120	11	13	24	2	3	173	16,876
173	18	160	16,370	139	3,101	323	44	52	30	13	7	471	20,240
174	18	72	10,561	121	2,462	232	77	21	10	10	7	358	13,573
175	35	59	9,319	20	1,303	74	18	11	2	1	-	106	10,808
176	4	56	6,505	9	2,328	163	20	43	3	4	5	239	9,137
177	72	32	14,068	151	2,615	342	85	31	26	13	17	513	17,379
178	58	135	16,628	107	2,911	175	47	14	29	20	25	310	20,091
179	120	76	12,129	77	1,906	167	26	19	7	11	5	234	14,422
180	32	82	13,953	102	2,515	178	37	49	12	18	12	307	16,960

Table 55(ad) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
181	18	39	4,630	73	912	123	18	10	6	14	4	175	5,829
182	15	54	7,461	127	1,847	207	28	22	9	35	32	332	9,821
183	30	54	8,815	116	2,078	284	40	16	18	18	15	391	11,454
184	9	94	9,382	156	2,359	203	31	28	11	35	40	349	12,339
185	-	471	32,954	65	7,212	907	153	269	130	736	622	2,817	43,519
186	3	410	38,252	129	8,233	1,053	189	311	157	774	543	3,028	50,053
187	31	312	21,197	95	3,482	338	88	78	32	101	118	755	25,841
188	28	172	15,885	36	3,123	250	51	106	34	35	26	503	19,719
189	4	86	13,154	60	3,013	272	84	72	16	14	132	590	16,903
190	28	155	22,402	86	4,458	461	108	89	47	106	65	876	27,977
191	3	127	16,983	108	3,426	549	40	45	78	53	65	830	21,475
192	4	82	4,983	29	1,459	196	63	44	24	89	175	590	7,144
193	36	238	29,927	225	4,957	744	120	146	100	226	161	1,496	36,843
194	26	13	2,932	9	514	61	5	3	2	37	49	158	3,627
195	14	20	2,239	34	417	38	4	2	1	3	-	47	2,757
196	10	6	1,913	17	539	30	5	7	3	1	5	50	2,524
197	53	112	10,585	57	2,039	213	39	19	11	25	18	325	13,117
198	29	67	3,452	37	809	93	13	35	18	6	2	167	4,532

Table 55(ae) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
199	63	75	6,395	49	1,201	110	31	87	14	13	21	275	7,993
200	33	48	5,909	55	1,223	98	17	17	8	12	9	161	7,397
201	21	63	5,388	23	1,072	44	10	5	10	6	1	76	6,622
202	46	37	3,046	34	556	76	20	7	5	-	7	115	3,787
203	82	13	2,466	24	427	32	6	-	17	6	3	64	2,995
204	21	50	2,891	21	723	60	17	8	6	3	6	100	3,785
205	36	80	10,914	128	1,817	122	15	18	6	11	9	181	13,119
206	49	25	1,430	16	171	22	3	-	-	-	1	26	1,668
207	29	14	1,323	4	245	22	3	1	1	1	4	32	1,617
208	21	42	4,550	11	1,025	188	23	30	35	56	58	390	6,017
209	15	85	4,142	15	956	68	24	27	29	18	21	188	5,387
210	27	23	3,722	33	870	72	23	44	13	7	4	162	4,810
211	47	193	13,467	79	2,392	170	28	44	13	56	68	380	16,511
212	15	29	6,681	50	1,069	104	18	9	17	6	6	159	7,989
213	31	122	7,786	58	1,522	102	21	26	34	6	9	198	9,686
214	3	22	2,725	13	384	40	3	5	3	-	1	52	3,196
215	24	17	1,530	23	440	35	25	29	12	13	40	155	2,166
216	40	63	1,807	20	322	40	5	5	10	1	1	63	2,276

Table 55(af) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
217	47	66	10,676	19	2,206	108	5	37	3	2	2	157	13,124
218	14	69	4,857	28	806	156	25	46	13	21	19	280	6,039
219	3	63	4,996	21	827	138	16	9	20	27	30	239	6,146
220	11	27	1,560	7	261	25	5	5	2	-	5	43	1,898
221	4	42	4,786	9	782	144	18	10	7	15	12	206	5,826
222	57	96	12,826	59	1,603	93	24	9	2	2	4	134	14,717
223	64	25	5,566	90	868	79	4	6	8	2	1	99	6,648
224	77	127	12,678	268	1,398	98	7	11	4	2	1	121	14,593
225	112	72	4,350	34	662	66	5	4	3	7	6	90	5,208
226	107	56	7,493	94	1,553	157	29	106	15	17	34	358	9,554
227	98	191	12,552	100	2,556	126	23	51	16	13	8	236	15,635
228	98	66	6,297	9	698	42	2	5	1	3	2	55	7,125
229	88	205	16,363	17	2,724	351	33	30	20	118	66	619	19,928
230	61	64	9,153	139	1,312	69	7	6	10	8	-	99	10,767
231	28	36	1,027	-	261	27	4	4	-	1	2	38	1,361
232	41	27	1,779	26	354	41	6	10	8	18	6	88	2,274
233	22	13	472	1	95	18	7	-	-	-	1	26	608
234	14	10	973	5	170	12	2	3	-	-	-	18	1,177

Table 55(ag) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
235	48	5	346	-	86	15	3	4	5	2	4	33	471
236	9	8	3,374	19	570	76	6	3	7	3	-	93	4,065
237	12	9	1,114	-	213	5	-	-	-	-	-	5	1,342
238	26	3	106	-	19	4	1	-	2	-	-	8	136
239	60	11	797	4	164	8	1	-	3	1	1	13	988
240	35	3	453	-	73	3	1	-	-	-	-	4	533
241	85	106	8,022	62	717	62	6	15	5	2	2	92	8,997
242	7	6	310	3	78	10	1	-	1	-	1	13	410
243	78	6	398	-	92	6	2	-	4	-	-	11	508
244	29	16	2,320	11	514	61	10	21	1	4	-	97	2,958
245	34	-	116	-	42	3	1	-	3	-	-	7	165
246	27	20	1,937	16	324	46	5	2	-	2	-	55	2,352
247	9	37	4,267	9	749	164	11	102	32	131	11	451	5,514
248	46	20	979	24	171	32	5	-	9	-	1	46	1,242
249	30	16	1,182	11	286	34	10	19	7	3	1	74	1,569
250	152	122	12,208	13	2,031	86	22	2	7	4	4	125	14,499
251	19	24	7,550	4	623	24	11	14	-	-	-	50	8,251
252	18	10	2,630	26	665	31	11	3	4	2	-	51	3,383

Table 55(ah) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
253	77	33	2,118	-	289	7	2	-	1	-	-	10	2,450
254	24	24	4,240	27	563	27	4	1	5	-	-	37	4,891
255	6	31	3,686	6	631	23	1	-	-	1	1	26	4,380
256	38	25	3,577	46	756	33	6	9	4	-	1	54	4,457
257	68	40	3,683	102	597	49	17	10	1	-	1	78	4,500
258	134	98	9,561	72	1,198	116	14	84	10	8	3	235	11,166
259	69	86	8,660	56	923	56	1	27	3	-	-	87	9,812
260	33	43	5,360	50	927	69	3	6	6	1	1	86	6,465
261	9	4	170	-	40	1	3	-	-	-	-	4	218
262	24	17	1,309	-	367	30	-	-	-	-	-	30	1,723
263	55	10	1,211	4	108	7	2	-	-	-	-	9	1,340
264	29	8	1,371	5	240	5	2	-	-	-	-	7	1,630
265	48	27	2,698	4	422	36	6	-	3	-	-	44	3,196
266	10	3	307	-	51	6	1	-	1	-	-	9	369
267	5	12	1,255	18	248	31	4	3	1	3	1	43	1,577
268	60	30	1,455	2	263	16	1	-	8	-	-	24	1,776
269	4	4	739	-	98	4	-	-	-	-	-	4	845
270	52	8	1,265	18	259	31	11	4	1	2	1	49	1,601

Table 55(ai) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
271	16	15	1,542	15	294	36	3	18	1	3	7	68	1,934
272	25	5	494	-	56	3	-	2	-	-	-	4	559
273	-	5	566	-	98	2	2	-	-	-	-	4	673
274	47	5	882	58	118	4	-	-	-	-	-	4	1,068
275	2	-	236	1	16	3	3	-	-	-	-	6	259
276	49	6	860	8	188	19	1	2	-	-	-	22	1,083
277	20	26	1,273	-	650	100	17	10	41	200	159	527	2,476
278	5	-	252	-	50	5	1	-	1	-	-	7	309
279	21	2	315	-	31	1	1	-	-	-	-	2	350
280	24	4	312	-	61	4	-	-	-	-	-	4	382
281	7	21	2,286	31	295	13	-	5	-	-	-	18	2,651
282	1	1	510	-	74	5	-	-	-	-	-	5	590
283	11	13	1,335	97	189	5	-	-	-	-	-	5	1,639
284	101	17	1,368	118	180	17	8	-	-	-	-	25	1,706
285	10	-	243	-	35	1	3	-	-	-	-	4	282
286	66	1	808	22	68	8	1	-	-	3	-	12	911
287	105	77	8,123	77	604	21	3	-	3	-	-	27	8,908
288	17	1	1,122	10	123	21	2	4	2	-	-	29	1,285

Table 55(aj) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
289	8	10	835	2	167	17	1	2	-	1	-	21	1,035
290	5	-	537	-	76	3	-	2	-	-	-	5	618
291	52	-	584	-	48	3	2	-	-	-	-	4	637
292	7	8	927	-	100	7	-	1	-	-	-	8	1,043
293	6	4	473	40	66	4	2	-	-	-	-	6	589
294	47	10	764	-	99	1	-	3	-	-	-	4	877
295	6	2	119	-	19	1	-	-	-	-	-	1	142
296	28	5	2,350	8	219	8	6	-	-	-	-	14	2,597
297	15	10	754	-	80	5	-	-	-	-	-	5	850
298	8	4	439	2	49	2	-	-	-	-	-	2	496
299	41	5	404	-	60	-	-	-	-	-	-	-	469
300	23	7	1,136	-	159	12	-	-	-	-	-	12	1,314
301	-	3	841	-	53	-	-	-	-	-	-	-	897
302	-	-	349	-	18	5	-	-	-	-	-	5	372
303	10	11	619	-	114	2	-	-	2	-	-	4	748
304	5	4	316	-	48	-	-	-	-	-	-	-	368
305	-	4	355	-	76	1	2	-	-	-	-	3	438
306	3	-	290	-	47	3	-	-	-	-	-	3	340

Table 55(ak) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
307	53	42	7,124	34	925	64	3	14	3	-	-	84	8,209
308	13	8	464	-	68	2	-	-	-	-	-	2	542
309	20	1	354	-	60	5	-	-	-	-	-	5	420
310	19	5	694	-	74	3	-	-	-	-	-	3	776
311	2	-	127	-	13	-	-	-	-	-	-	-	140
312	8	3	1,180	-	159	-	-	-	-	-	-	-	1,342
313	10	4	616	-	138	5	-	-	-	-	-	5	764
314	8	-	560	-	87	15	-	-	-	-	-	15	663
315	-	1	218	-	42	2	-	-	-	-	-	2	263
316	21	37	1,560	-	876	180	12	28	4	11	2	237	2,710
317	35	5	1,422	-	327	23	7	-	-	-	-	30	1,784
318	16	5	456	-	69	3	-	-	-	-	-	3	532
319	37	29	3,104	82	308	16	2	-	2	1	-	20	3,543
320	1	-	449	-	77	2	1	4	-	-	-	7	533
321	56	60	3,053	51	761	99	13	8	14	5	-	138	4,064
322	34	39	3,627	56	635	65	3	6	2	-	1	77	4,434
323	43	74	9,312	73	1,480	152	70	36	41	11	7	318	11,257
324	14	6	2,143	10	466	45	4	4	14	4	3	73	2,697

Table 55(al) AM 10 Carbon Emissions - Traffic Count Data													
Year 1													
2015 Flow Data													
Post-scheme													
Ref No	**PedalCycles**	**Motorcycles**	**CarsTaxis**	**BusesCoaches**	**LightGoodsVehicles**	**V2AxleRigidHGV**	**V3AxleRigidHGV**	**V4or5AxleRigidHGV**	**V3or4AxleArticHGV**	**V5AxleArticHGV**	**V6orMoreAxleArticHGV**	**AllHGVs**	**AllMotorVehicles**
325	94	93	8,787	64	1,692	153	36	19	18	8	5	239	10,874
326	47	45	10,963	85	1,612	92	13	11	2	-	2	120	12,824
327	4	1	624	-	122	2	5	-	-	-	-	7	754
328	1	-	108	-	16	2	6	-	-	-	-	7	131
329	7	-	215	-	30	-	-	-	-	-	-	-	244
330	2	2	136	-	31	-	-	-	-	-	-	-	169
331	62	89	12,193	88	1,985	166	55	44	12	6	7	290	14,645
332	2	1	342	1	37	2	2	-	-	-	-	4	385
333	8	5	302	6	33	7	1	-	-	-	-	8	354
334	20	10	980	-	103	-	-	-	-	-	-	-	1,093
335	8	4	634	3	71	6	2	-	-	-	-	7	719
336	7	-	646	-	95	5	1	1	-	-	-	7	748
337	53	8	1,045	49	106	7	4	-	-	-	-	11	1,219
Totals	**16,843**	**36,722**	**3,716,868**	**31,208**	**695,657**	**70,937**	**13,986**	**15,680**	**7,599**	**15,848**	**18,335**	**142,374**	**4,622,844**

Table 56 AM 10 Carbon Emissions - Traffic Speed											
Year 1											
Average traffic speed (miles per mile) (Source DfT Congestion & Reliability Statistics Table CGN0206b) Average journey times during the weekday morning peak on locally managed 'A' roads:											
Period											
Apr-14	**May-14**	**Jun-14**	**Jul-14**	**Sep 14**	**Oct-14**	**Nov-14**	**Dec-14**	**Jan-15**	**Feb-15**	**Mar-15**	**Average**
Pre-scheme											
30.3	30.2	30.1	30.0	30.0	29.9	29.8	29.7	29.6	29.5	29.4	**29.9**
Average traffic speed (miles per mile) (Source DfT Congestion & Reliability Statistics Table CGN0206b) Average journey times during the weekday morning peak on locally managed 'A' roads:											
Period											
Apr-15	**May-15**	**Jun-15**	**Jul-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Average**
Post-scheme											
29.2	29.2	29.1	29.1	29.0	29.1	29.0	29.1	No Data	No Data	No Data	**29.1**

able 57(a) AM 10 Carbon Emissions - DfT Sites														
Year 1														
2014 Total Emissions (thousand tonnes CO2)														
Pre-scheme														
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles	
1	0.00	0.17	2.78	0.04	0.55	0.25	0.25	0.25	0.04	0.04	0.04	0.86	3.83	
2	0.00	0.17	2.07	0.03	0.84	0.36	0.36	0.36	0.12	0.12	0.12	1.47	3.61	
3	0.00	0.03	0.72	0.04	0.19	0.08	0.08	0.08	0.05	0.05	0.05	0.40	1.12	
4	0.00	0.08	2.21	0.06	0.64	0.33	0.33	0.33	0.22	0.22	0.22	1.64	3.54	
5	0.00	0.01	0.80	0.04	0.20	0.11	0.11	0.11	0.01	0.01	0.01	0.35	1.17	
6	0.00	0.03	0.90	0.04	0.29	0.12	0.12	0.12	0.00	0.00	0.00	0.38	1.37	
7	0.00	0.02	0.39	0.02	0.10	0.08	0.08	0.08	0.01	0.01	0.01	0.25	0.61	
8	0.00	0.02	0.59	0.01	0.18	0.25	0.25	0.25	0.04	0.04	0.04	0.88	1.09	
9	0.00	0.10	1.56	0.02	0.30	0.16	0.16	0.16	0.07	0.07	0.07	0.68	2.20	
10	0.00	0.07	1.47	0.14	0.37	0.37	0.37	0.37	0.18	0.18	0.18	1.63	2.60	
11	0.00	0.02	0.63	0.07	0.18	0.10	0.10	0.10	0.02	0.02	0.02	0.36	1.02	
12	0.00	0.03	0.85	0.04	0.33	0.16	0.16	0.16	0.11	0.11	0.11	0.80	1.51	
13	0.00	0.06	1.43	0.06	0.36	0.22	0.22	0.22	0.04	0.04	0.04	0.80	2.17	
14	0.00	0.01	0.09	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.14	
15	0.00	0.07	1.90	0.03	0.65	0.45	0.45	0.45	0.07	0.07	0.07	1.56	3.17	
16	0.00	0.01	0.37	0.01	0.08	0.04	0.04	0.04	0.02	0.02	0.02	0.17	0.52	
17	0.00	0.04	1.20	0.10	0.22	0.10	0.10	0.10	0.09	0.09	0.09	0.57	1.75	
18	0.00	0.01	0.16	0.00	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.11	0.26	

Table 57(b) AM 10 Carbon Emissions - DfT Sites														
Year 1														
2014 Total Emissions (thousand tonnes CO2)														
Pre-scheme														
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles	
19	0.00	0.03	1.05	0.03	0.29	0.15	0.15	0.15	0.09	0.09	0.09	0.73	1.65	
20	0.00	0.02	0.71	0.04	0.22	0.12	0.12	0.12	0.01	0.01	0.01	0.39	1.12	
21	0.00	0.13	2.05	0.04	0.67	0.40	0.40	0.40	0.36	0.36	0.36	2.27	3.65	
22	0.00	0.12	2.10	0.12	0.54	0.10	0.10	0.10	0.02	0.02	0.02	0.37	3.00	
23	0.00	0.09	0.97	0.01	0.38	0.12	0.12	0.12	0.02	0.02	0.02	0.40	1.58	
24	0.00	0.03	0.74	0.03	0.18	0.09	0.09	0.09	0.01	0.01	0.01	0.32	1.09	
25	0.00	0.06	1.59	0.02	0.56	0.32	0.32	0.32	0.29	0.29	0.29	1.83	2.84	
26	0.00	0.05	0.77	0.02	0.32	0.21	0.21	0.21	0.01	0.01	0.01	0.68	1.38	
27	0.00	0.03	0.59	0.01	0.11	0.05	0.05	0.05	0.01	0.01	0.01	0.18	0.79	
28	0.00	0.06	0.98	0.03	0.32	0.16	0.16	0.16	0.05	0.05	0.05	0.61	1.59	
29	0.00	0.04	0.76	0.01	0.22	0.10	0.10	0.10	0.03	0.03	0.03	0.37	1.16	
30	0.00	0.03	0.65	0.04	0.24	0.17	0.17	0.17	0.03	0.03	0.03	0.61	1.17	
31	0.00	0.04	0.83	0.07	0.16	0.09	0.09	0.09	0.03	0.03	0.03	0.36	1.21	
32	0.00	0.08	1.49	0.08	0.58	0.34	0.34	0.34	0.08	0.08	0.08	1.26	2.64	
33	0.00	0.05	1.06	0.05	0.32	0.29	0.29	0.29	0.08	0.08	0.08	1.11	1.85	
34	0.00	0.07	1.72	0.00	0.46	0.27	0.27	0.27	0.26	0.26	0.26	1.58	2.78	
35	0.00	0.04	1.09	0.05	0.32	0.12	0.12	0.12	0.03	0.03	0.03	0.43	1.64	
36	0.00	0.01	0.07	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.10	

Table 57(c) AM 10 Carbon Emissions - DfT Sites														
Year 1														
2014 Total Emissions (thousand tonnes CO2)														
Pre-scheme														
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles	
37	0.00	0.04	1.11	0.05	0.36	0.25	0.25	0.25	0.13	0.13	0.13	1.16	1.95	
38	0.00	0.09	2.47	0.05	0.63	0.35	0.35	0.35	0.28	0.28	0.28	1.90	3.88	
39	0.00	0.01	0.46	0.06	0.08	0.03	0.03	0.03	0.00	0.00	0.00	0.10	0.64	
40	0.00	0.02	0.61	0.01	0.09	0.03	0.03	0.03	0.01	0.01	0.01	0.11	0.77	
41	0.00	0.01	0.27	0.00	0.05	0.02	0.02	0.02	0.00	0.00	0.00	0.05	0.34	
42	0.00	0.52	9.07	0.06	3.19	1.86	1.86	1.86	2.22	2.22	2.22	12.25	16.91	
43	0.00	0.12	1.14	0.09	0.51	0.32	0.32	0.32	0.10	0.10	0.10	1.24	2.27	
44	0.00	0.02	0.50	0.03	0.11	0.05	0.05	0.05	0.00	0.00	0.00	0.16	0.71	
45	0.00	0.05	1.30	0.07	0.28	0.16	0.16	0.16	0.12	0.12	0.12	0.85	1.98	
46	0.00	0.07	2.05	0.02	0.39	0.14	0.14	0.14	0.02	0.02	0.02	0.48	2.69	
47	0.00	0.01	0.32	0.01	0.05	0.02	0.02	0.02	0.00	0.00	0.00	0.07	0.41	
48	0.00	0.09	1.29	0.04	0.23	0.17	0.17	0.17	0.04	0.04	0.04	0.62	1.85	
49	0.00	0.11	1.63	0.09	0.33	0.33	0.33	0.33	0.12	0.12	0.12	1.34	2.60	
50	0.00	0.09	1.24	0.05	0.44	0.19	0.19	0.19	0.04	0.04	0.04	0.70	2.04	
51	0.00	0.10	1.35	0.09	0.68	0.58	0.58	0.58	0.20	0.20	0.20	2.34	2.99	
52	0.00	0.05	1.09	0.04	0.36	0.29	0.29	0.29	0.05	0.05	0.05	1.04	1.89	
53	0.00	0.02	0.84	0.03	0.16	0.07	0.07	0.07	0.02	0.02	0.02	0.25	1.13	
54	0.00	0.03	1.38	0.04	0.33	0.15	0.15	0.15	0.01	0.01	0.01	0.48	1.93	

Table 57(d) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
55	0.00	0.03	0.67	0.01	0.21	0.12	0.12	0.12	0.11	0.11	0.11	0.70	1.15
56	0.00	0.02	0.46	0.03	0.07	0.03	0.03	0.03	0.01	0.01	0.01	0.11	0.61
57	0.00	0.00	0.06	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09
58	0.00	0.04	0.74	0.05	0.20	0.16	0.16	0.16	0.12	0.12	0.12	0.85	1.31
59	0.00	0.04	0.48	0.01	0.12	0.02	0.02	0.02	0.01	0.01	0.01	0.09	0.67
60	0.00	0.08	1.55	0.02	0.60	0.42	0.42	0.42	0.21	0.21	0.21	1.90	2.88
61	0.00	0.20	7.93	0.06	1.95	1.08	1.08	1.08	0.83	0.83	0.83	5.74	12.05
62	0.00	0.01	0.49	0.07	0.18	0.07	0.07	0.07	0.01	0.01	0.01	0.21	0.83
63	0.00	0.02	0.43	0.02	0.12	0.08	0.08	0.08	0.06	0.06	0.06	0.42	0.74
64	0.00	0.03	0.64	0.02	0.14	0.12	0.12	0.12	0.03	0.03	0.03	0.47	0.99
65	0.00	0.05	1.05	0.02	0.19	0.07	0.07	0.07	0.02	0.02	0.02	0.28	1.41
66	0.00	0.04	1.20	0.03	0.25	0.07	0.07	0.07	0.04	0.04	0.04	0.33	1.63
67	0.00	0.20	2.79	0.07	0.75	0.42	0.42	0.42	0.17	0.17	0.17	1.78	4.39
68	0.00	0.02	1.34	0.09	0.28	0.05	0.05	0.05	0.00	0.00	0.00	0.17	1.79
69	0.00	0.08	2.11	0.05	0.63	0.41	0.41	0.41	0.19	0.19	0.19	1.81	3.48
70	0.00	0.08	1.39	0.08	0.49	0.35	0.35	0.35	0.09	0.09	0.09	1.33	2.49
71	0.00	0.02	0.41	0.01	0.13	0.05	0.05	0.05	0.00	0.00	0.00	0.16	0.62
72	0.00	0.05	1.17	0.02	0.22	0.15	0.15	0.15	0.07	0.07	0.07	0.63	1.67

Table 57(e) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
73	0.00	0.01	0.44	0.04	0.08	0.02	0.02	0.02	0.00	0.00	0.00	0.08	0.61
74	0.00	0.02	0.37	0.01	0.09	0.02	0.02	0.02	0.01	0.01	0.01	0.10	0.52
75	0.00	0.06	1.34	0.09	0.30	0.16	0.16	0.16	0.03	0.03	0.03	0.57	1.97
76	0.00	0.02	1.06	0.01	0.28	0.20	0.20	0.20	0.11	0.11	0.11	0.93	1.68
77	0.00	0.04	1.15	0.04	0.31	0.28	0.28	0.28	0.14	0.14	0.14	1.26	1.95
78	0.00	0.03	0.65	0.01	0.18	0.06	0.06	0.06	0.00	0.00	0.00	0.20	0.94
79	0.00	0.06	1.13	0.06	0.29	0.11	0.11	0.11	0.01	0.01	0.01	0.36	1.66
80	0.00	0.04	1.19	0.05	0.28	0.10	0.10	0.10	0.01	0.01	0.01	0.34	1.66
81	0.00	0.03	0.62	0.06	0.09	0.05	0.05	0.05	0.01	0.01	0.01	0.17	0.86
82	0.00	0.08	1.17	0.07	0.24	0.19	0.19	0.19	0.02	0.02	0.02	0.63	1.78
83	0.00	0.01	0.24	0.01	0.05	0.03	0.03	0.03	0.01	0.01	0.01	0.12	0.34
84	0.00	0.01	0.53	0.01	0.08	0.07	0.07	0.07	0.02	0.02	0.02	0.25	0.71
85	0.00	0.03	0.64	0.02	0.16	0.10	0.10	0.10	0.01	0.01	0.01	0.31	0.96
86	0.00	0.02	0.29	0.01	0.10	0.06	0.06	0.06	0.01	0.01	0.01	0.20	0.48
87	0.00	0.03	0.40	0.02	0.19	0.09	0.09	0.09	0.03	0.03	0.03	0.35	0.74
88	0.00	0.01	0.41	0.01	0.10	0.06	0.06	0.06	0.04	0.04	0.04	0.31	0.64
89	0.00	0.01	0.48	0.02	0.09	0.03	0.03	0.03	0.02	0.02	0.02	0.14	0.64
90	0.00	0.04	0.83	0.02	0.25	0.16	0.16	0.16	0.08	0.08	0.08	0.74	1.39

Table 57(f) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
91	0.00	0.07	2.48	0.22	0.61	0.29	0.29	0.29	0.07	0.07	0.07	1.08	3.74
92	0.00	0.06	2.55	0.07	0.74	0.39	0.39	0.39	0.22	0.22	0.22	1.81	4.03
93	0.00	0.02	0.54	0.01	0.18	0.05	0.05	0.05	0.01	0.01	0.01	0.17	0.80
94	0.00	0.12	2.77	0.04	0.76	0.35	0.35	0.35	0.25	0.25	0.25	1.80	4.28
95	0.00	0.08	1.83	0.05	0.41	0.21	0.21	0.21	0.07	0.07	0.07	0.83	2.65
96	0.00	0.04	0.82	0.03	0.20	0.11	0.11	0.11	0.02	0.02	0.02	0.39	1.22
97	0.00	0.02	0.46	0.01	0.09	0.04	0.04	0.04	0.01	0.01	0.01	0.15	0.63
98	0.00	0.10	2.32	0.05	0.63	0.20	0.20	0.20	0.06	0.06	0.06	0.79	3.35
99	0.00	0.29	4.65	0.04	1.40	0.97	0.97	0.97	1.34	1.34	1.34	6.94	8.69
100	0.00	0.01	0.17	0.01	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.05	0.25
101	0.00	0.05	1.23	0.04	0.42	0.29	0.29	0.29	0.10	0.10	0.10	1.19	2.14
102	0.00	0.01	0.49	0.01	0.10	0.03	0.03	0.03	0.01	0.01	0.01	0.12	0.65
103	0.00	0.32	7.86	0.11	2.20	1.26	1.26	1.26	0.95	0.95	0.95	6.66	12.71
104	0.00	0.15	4.60	0.14	1.59	1.03	1.03	1.03	0.58	0.58	0.58	4.83	8.09
105	0.00	0.31	6.56	0.04	1.74	1.01	1.01	1.01	0.57	0.57	0.57	4.75	10.24
106	0.00	0.16	1.59	0.01	0.56	0.21	0.21	0.21	0.05	0.05	0.05	0.78	2.59
107	0.00	0.12	2.53	0.03	0.89	0.50	0.50	0.50	0.11	0.11	0.11	1.84	4.18
108	0.00	0.09	1.81	0.19	0.39	0.12	0.12	0.12	0.01	0.01	0.01	0.38	2.62

Table 57(g) AM 10 Carbon Emissions - DfT Sites														
Year 1														
2014 Total Emissions (thousand tonnes CO2)														
Pre-scheme														
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles	
109	0.00	0.06	1.37	0.05	0.35	0.18	0.18	0.18	0.08	0.08	0.08	0.80	2.10	
110	0.00	0.01	0.39	0.01	0.09	0.03	0.03	0.03	0.01	0.01	0.01	0.12	0.55	
111	0.00	0.03	0.46	0.02	0.12	0.05	0.05	0.05	0.01	0.01	0.01	0.18	0.68	
112	0.00	0.03	0.66	0.10	0.12	0.06	0.06	0.06	0.02	0.02	0.02	0.21	0.98	
113	0.00	0.20	5.02	0.18	1.17	1.02	1.02	1.02	0.58	0.58	0.58	4.80	8.18	
114	0.00	0.01	0.35	0.01	0.09	0.04	0.04	0.04	0.02	0.02	0.02	0.18	0.52	
115	0.00	0.05	1.01	0.13	0.22	0.09	0.09	0.09	0.00	0.00	0.00	0.27	1.50	
116	0.00	0.02	0.66	0.00	0.30	0.11	0.11	0.11	0.01	0.01	0.01	0.36	1.10	
117	0.00	0.02	0.50	0.01	0.09	0.04	0.04	0.04	0.07	0.07	0.07	0.33	0.74	
118	0.00	0.04	1.13	0.06	0.48	0.30	0.30	0.30	0.04	0.04	0.04	1.01	2.06	
119	0.00	0.05	1.12	0.04	0.38	0.19	0.19	0.19	0.06	0.06	0.06	0.74	1.83	
120	0.00	0.03	1.39	0.02	0.36	0.37	0.37	0.37	0.13	0.13	0.13	1.50	2.31	
121	0.00	0.07	1.73	0.11	0.29	0.14	0.14	0.14	0.06	0.06	0.06	0.58	2.39	
122	0.00	0.11	3.13	0.15	0.57	0.74	0.74	0.74	0.49	0.49	0.49	3.70	5.19	
123	0.00	0.01	0.23	0.00	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.05	0.29	
124	0.00	0.10	1.17	0.02	0.43	0.48	0.48	0.48	0.54	0.54	0.54	3.06	2.73	
125	0.00	0.01	0.22	0.00	0.07	0.05	0.05	0.05	0.11	0.11	0.11	0.49	0.47	
126	0.00	0.01	0.20	0.00	0.05	0.03	0.03	0.03	0.00	0.00	0.00	0.09	0.29	

Table 57(h) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
127	0.00	0.02	0.59	0.02	0.12	0.03	0.03	0.03	0.00	0.00	0.00	0.10	0.77
128	0.00	0.03	0.92	0.17	0.11	0.07	0.07	0.07	0.00	0.00	0.00	0.21	1.30
129	0.00	0.02	0.40	0.01	0.12	0.12	0.12	0.12	0.07	0.07	0.07	0.58	0.74
130	0.00	0.39	8.87	0.09	2.43	1.77	1.77	1.77	2.05	2.05	2.05	11.47	15.61
131	0.00	0.10	1.77	0.21	0.46	0.15	0.15	0.15	0.01	0.01	0.01	0.48	2.69
132	0.00	0.04	0.73	0.01	0.16	0.07	0.07	0.07	0.05	0.05	0.05	0.34	1.06
133	0.00	0.06	2.52	0.08	0.61	0.57	0.57	0.57	0.35	0.35	0.35	2.76	4.20
134	0.00	0.00	0.02	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.04
135	0.00	0.01	0.21	0.02	0.05	0.03	0.03	0.03	0.01	0.01	0.01	0.10	0.32
136	0.00	0.02	0.17	0.00	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.27	0.33
137	0.00	0.01	0.29	0.02	0.07	0.02	0.02	0.02	0.01	0.01	0.01	0.09	0.41
138	0.00	0.02	0.57	0.03	0.15	0.09	0.09	0.09	0.01	0.01	0.01	0.31	0.86
139	0.00	0.00	0.21	0.00	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.16	0.32
140	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06
141	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06
142	0.00	0.00	0.04	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.07
143	0.00	0.01	0.33	0.01	0.07	0.03	0.03	0.03	0.02	0.02	0.02	0.16	0.48
144	0.00	0.02	0.55	0.03	0.12	0.07	0.07	0.07	0.05	0.05	0.05	0.36	0.84

Table 57(j) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
163	0.00	0.02	0.49	0.01	0.14	0.13	0.13	0.13	0.09	0.09	0.09	0.66	0.88
164	0.00	0.01	0.23	0.02	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.27	0.42
165	0.00	0.01	0.18	0.01	0.04	0.04	0.04	0.04	0.02	0.02	0.02	0.17	0.30
166	0.00	0.01	0.26	0.01	0.08	0.04	0.04	0.04	0.00	0.00	0.00	0.11	0.40
167	0.00	0.07	1.48	0.05	0.35	0.16	0.16	0.16	0.04	0.04	0.04	0.61	2.15
168	0.00	0.02	0.79	0.03	0.24	0.13	0.13	0.13	0.01	0.01	0.01	0.42	1.22
169	0.00	0.03	0.64	0.05	0.31	0.16	0.16	0.16	0.07	0.07	0.07	0.69	1.26
170	0.00	0.01	0.44	0.04	0.08	0.02	0.02	0.02	0.00	0.00	0.00	0.08	0.61
171	0.00	0.01	0.33	0.02	0.06	0.03	0.03	0.03	0.01	0.01	0.01	0.11	0.46
172	0.00	0.03	0.42	0.01	0.10	0.02	0.02	0.02	0.01	0.01	0.01	0.08	0.59
173	0.00	0.01	0.37	0.01	0.09	0.05	0.05	0.05	0.01	0.01	0.01	0.16	0.54
174	0.00	0.00	0.10	0.01	0.03	0.02	0.02	0.02	0.00	0.00	0.00	0.06	0.16
175	0.00	0.01	0.33	0.00	0.06	0.02	0.02	0.02	0.00	0.00	0.00	0.06	0.43
176	0.00	0.01	0.20	0.00	0.09	0.03	0.03	0.03	0.00	0.00	0.00	0.11	0.33
177	0.00	0.01	1.28	0.06	0.31	0.22	0.22	0.22	0.03	0.03	0.03	0.75	1.91
178	0.00	0.02	0.75	0.02	0.17	0.05	0.05	0.05	0.02	0.02	0.02	0.21	1.03
179	0.00	0.04	1.22	0.03	0.25	0.11	0.11	0.11	0.02	0.02	0.02	0.38	1.67
180	0.00	0.05	2.10	0.07	0.48	0.19	0.19	0.19	0.04	0.04	0.04	0.70	2.94

Table 57(k) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
181	0.00	0.01	0.24	0.02	0.09	0.05	0.05	0.05	0.00	0.00	0.00	0.15	0.41
182	0.00	0.01	0.31	0.02	0.10	0.06	0.06	0.06	0.02	0.02	0.02	0.24	0.53
183	0.00	0.01	0.43	0.02	0.13	0.09	0.09	0.09	0.02	0.02	0.02	0.31	0.70
184	0.00	0.02	0.40	0.03	0.13	0.06	0.06	0.06	0.03	0.03	0.03	0.25	0.66
185	0.00	0.27	6.46	0.10	1.91	1.39	1.39	1.39	2.02	2.02	2.02	10.23	12.15
186	0.00	0.04	0.97	0.01	0.31	0.19	0.19	0.19	0.22	0.22	0.22	1.24	1.74
187	0.00	0.40	6.66	0.14	1.38	0.76	0.76	0.76	0.52	0.52	0.52	3.83	9.86
188	0.00	0.04	0.92	0.01	0.23	0.11	0.11	0.11	0.03	0.03	0.03	0.44	1.34
189	0.00	0.01	0.25	0.01	0.07	0.04	0.04	0.04	0.02	0.02	0.02	0.18	0.40
190	0.00	0.01	0.44	0.01	0.13	0.05	0.05	0.05	0.02	0.02	0.02	0.21	0.66
191	0.00	0.12	4.03	0.12	1.03	0.73	0.73	0.73	0.29	0.29	0.29	3.06	6.32
192	0.00	0.01	0.08	0.00	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.17	0.18
193	0.00	0.01	0.38	0.01	0.08	0.06	0.06	0.06	0.04	0.04	0.04	0.31	0.59
194	0.00	0.01	0.28	0.00	0.06	0.03	0.03	0.03	0.06	0.06	0.06	0.28	0.44
195	0.00	0.01	0.17	0.01	0.04	0.02	0.02	0.02	0.01	0.01	0.01	0.06	0.26
196	0.00	0.00	0.08	0.00	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.05	0.13
197	0.00	0.02	0.46	0.01	0.12	0.05	0.05	0.05	0.02	0.02	0.02	0.21	0.68
198	0.00	0.01	0.15	0.01	0.05	0.03	0.03	0.03	0.01	0.01	0.01	0.13	0.26

Table 57(l) AM 10 Carbon Emissions - DfT Sites														
Year 1														
2014 Total Emissions (thousand tonnes CO2)														
Pre-scheme														
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles	
199	0.00	0.02	0.82	0.03	0.22	0.15	0.15	0.15	0.02	0.02	0.02	0.51	1.26	
200	0.00	0.03	0.49	0.03	0.12	0.08	0.08	0.08	0.01	0.01	0.01	0.28	0.75	
201	0.00	0.01	0.21	0.01	0.06	0.02	0.02	0.02	0.00	0.00	0.00	0.07	0.30	
202	0.00	0.01	0.08	0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.13	
203	0.00	0.01	0.25	0.01	0.06	0.03	0.03	0.03	0.01	0.01	0.01	0.10	0.37	
204	0.00	0.01	0.12	0.00	0.04	0.02	0.02	0.02	0.01	0.01	0.01	0.10	0.20	
205	0.00	0.01	0.21	0.01	0.04	0.02	0.02	0.02	0.00	0.00	0.00	0.06	0.29	
206	0.00	0.00	0.08	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.11	
207	0.00	0.01	0.07	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.11	
208	0.00	0.05	0.90	0.01	0.22	0.20	0.20	0.20	0.21	0.21	0.21	1.21	1.59	
209	0.00	0.02	0.25	0.01	0.09	0.04	0.04	0.04	0.01	0.01	0.01	0.14	0.41	
210	0.00	0.03	0.57	0.02	0.17	0.09	0.09	0.09	0.04	0.04	0.04	0.36	0.92	
211	0.00	0.02	0.34	0.01	0.08	0.03	0.03	0.03	0.02	0.02	0.02	0.15	0.50	
212	0.00	0.04	1.55	0.05	0.34	0.17	0.17	0.17	0.02	0.02	0.02	0.58	2.17	
213	0.00	0.04	0.54	0.02	0.13	0.08	0.08	0.08	0.02	0.02	0.02	0.29	0.82	
214	0.00	0.01	0.19	0.01	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.05	0.26	
215	0.00	0.00	0.07	0.00	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.12	
216	0.00	0.03	0.21	0.01	0.06	0.03	0.03	0.03	0.02	0.02	0.02	0.14	0.36	

Table 57(m) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	PedalCycles	MotorcycLes	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
217	0.00	0.02	0.86	0.01	0.25	0.06	0.06	0.06	0.00	0.00	0.00	0.19	1.20
218	0.00	0.02	0.34	0.01	0.10	0.05	0.05	0.05	0.01	0.01	0.01	0.18	0.53
219	0.00	0.02	0.44	0.01	0.10	0.06	0.06	0.06	0.05	0.05	0.05	0.34	0.69
220	0.00	0.01	0.14	0.00	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.21
221	0.00	0.01	0.25	0.00	0.06	0.04	0.04	0.04	0.01	0.01	0.01	0.16	0.38
222	0.00	0.01	0.81	0.01	0.15	0.04	0.04	0.04	0.01	0.01	0.01	0.15	1.04
223	0.00	0.01	0.19	0.01	0.03	0.02	0.02	0.02	0.00	0.00	0.00	0.07	0.26
224	0.00	0.01	0.22	0.02	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.29
225	0.00	0.06	0.83	0.02	0.15	0.09	0.09	0.09	0.03	0.03	0.03	0.35	1.18
226	0.00	0.00	0.07	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.10
227	0.00	0.05	0.54	0.02	0.14	0.06	0.06	0.06	0.02	0.02	0.02	0.24	0.84
228	0.00	0.02	0.32	0.00	0.05	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.40
229	0.00	0.02	0.65	0.01	0.15	0.07	0.07	0.07	0.05	0.05	0.05	0.37	0.95
230	0.00	0.01	0.33	0.02	0.07	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.44
231	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
232	0.00	0.01	0.11	0.01	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.09	0.18
233	0.00	0.00	0.03	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.05
234	0.00	0.00	0.06	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.09

Table 57(n) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
235	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.02	0.02	0.02	0.05	0.06
236	0.00	0.00	0.06	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.08
237	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06
238	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
239	0.00	0.00	0.04	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.07
240	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
241	0.00	0.00	0.09	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.11
242	0.00	0.01	0.57	0.02	0.10	0.04	0.04	0.04	0.00	0.00	0.00	0.12	0.75
243	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04
244	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03
245	0.00	0.00	0.05	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.08
246	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.02
247	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04
248	0.00	0.02	0.42	0.00	0.10	0.06	0.06	0.06	0.06	0.06	0.06	0.36	0.65
249	0.00	0.02	0.18	0.02	0.05	0.04	0.04	0.04	0.01	0.01	0.01	0.15	0.31
250	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03
251	0.00	0.00	0.18	0.00	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.23
252	0.00	0.00	0.24	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.27

Table 57(o) AM 10 Carbon Emissions - DfT Sites														
Year 1														
2014 Total Emissions (thousand tonnes CO2)														
Pre-scheme														
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles	
253	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	
254	0.00	0.01	0.26	0.01	0.05	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.34	
255	0.00	0.01	0.30	0.00	0.07	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.39	
256	0.00	0.00	0.15	0.01	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.22	
257	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	
258	0.00	0.02	0.42	0.01	0.07	0.02	0.02	0.02	0.01	0.01	0.01	0.09	0.54	
259	0.00	0.01	0.34	0.01	0.05	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.42	
260	0.00	0.01	0.41	0.02	0.10	0.05	0.05	0.05	0.00	0.00	0.00	0.18	0.60	
261	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
262	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	
263	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	
264	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	
265	0.00	0.00	0.13	0.00	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.18	
266	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
267	0.00	0.00	0.16	0.00	0.04	0.04	0.04	0.04	0.01	0.01	0.01	0.14	0.25	
268	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	
269	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
270	0.00	0.00	0.07	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.10	

Table 57(p) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
271	0.00	0.00	0.31	0.01	0.08	0.05	0.05	0.05	0.01	0.01	0.01	0.19	0.46
272	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
273	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
275	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
276	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03
277	0.00	0.00	0.03	0.00	0.02	0.02	0.02	0.02	0.05	0.05	0.05	0.19	0.11
278	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
279	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
280	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
281	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
282	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
283	0.00	0.00	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
284	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04
285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
286	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
287	0.00	0.00	0.22	0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.26
288	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02

Table 57(q) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
289	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
290	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
291	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
292	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
293	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
294	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
296	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
297	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
298	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
301	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
302	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
303	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
304	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
306	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Table 57(r) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
307	0.00	0.01	0.22	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.28
308	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
309	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
310	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
311	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
312	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
313	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
314	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
316	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
317	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
318	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
319	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
320	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
321	0.00	0.00	0.03	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.06
322	0.00	0.00	0.06	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09
323	0.00	0.01	0.16	0.00	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.11	0.25
324	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04

Table 57(s) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2014 Total Emissions (thousand tonnes CO2)													
Pre-scheme													
Ref No	**PedalCycles**	**Motorcycles**	**CarsTaxis**	**BusesCoaches**	**LightGoodsVehicles**	**V2AxleRigidHGV**	**V3AxleRigidHGV**	**V4or5AxleRigidHGV**	**V3or4AxleArticHGV**	**V5AxleArticHGV**	**V6orMoreAxleArticHGV**	**AllHGVs**	**AllMotorVehicles**
325	0.00	0.01	0.12	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.18
326	0.00	0.01	0.37	0.01	0.08	0.03	0.03	0.03	0.00	0.00	0.00	0.08	0.49
327	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
328	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
329	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
331	0.00	0.00	0.10	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.13
332	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
333	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
334	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
335	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
336	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
337	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Totals	**0.00**	**11.69**	**268.70**	**8.47**	**72.67**	**42.81**	**42.81**	**42.81**	**27.14**	**27.14**	**27.14**	**209.87**	**431.49**

Table 57(t) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
1	0.00	0.16	2.77	0.04	0.59	0.25	0.25	0.25	0.05	0.05	0.05	0.90	3.86
2	0.00	0.18	2.15	0.03	0.93	0.39	0.39	0.39	0.14	0.14	0.14	1.57	3.82
3	0.00	0.04	0.75	0.04	0.21	0.09	0.09	0.09	0.06	0.06	0.06	0.43	1.19
4	0.00	0.08	2.30	0.06	0.71	0.35	0.35	0.35	0.24	0.24	0.24	1.78	3.75
5	0.00	0.02	0.84	0.04	0.17	0.07	0.07	0.07	0.02	0.02	0.02	0.26	1.15
6	0.00	0.02	0.92	0.04	0.31	0.12	0.12	0.12	0.00	0.00	0.00	0.36	1.41
7	0.00	0.02	0.40	0.02	0.10	0.07	0.07	0.07	0.01	0.01	0.01	0.24	0.62
8	0.00	0.02	0.82	0.01	0.21	0.16	0.16	0.16	0.13	0.13	0.13	0.88	1.35
9	0.00	0.10	1.54	0.02	0.32	0.16	0.16	0.16	0.07	0.07	0.07	0.69	2.20
10	0.00	0.07	1.46	0.14	0.40	0.37	0.37	0.37	0.19	0.19	0.19	1.70	2.64
11	0.00	0.02	0.65	0.07	0.19	0.10	0.10	0.10	0.01	0.01	0.01	0.35	1.04
12	0.00	0.03	0.85	0.04	0.35	0.16	0.16	0.16	0.12	0.12	0.12	0.83	1.54
13	0.00	0.05	1.47	0.06	0.38	0.22	0.22	0.22	0.05	0.05	0.05	0.78	2.23
14	0.00	0.01	0.09	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.15
15	0.00	0.06	1.95	0.03	0.68	0.43	0.43	0.43	0.07	0.07	0.07	1.52	3.24
16	0.00	0.01	0.36	0.01	0.09	0.04	0.04	0.04	0.02	0.02	0.02	0.17	0.52
17	0.00	0.04	1.18	0.10	0.23	0.10	0.10	0.10	0.10	0.10	0.10	0.58	1.75
18	0.00	0.01	0.16	0.00	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.11	0.26

Table 57(u) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
19	0.00	0.03	1.09	0.03	0.32	0.16	0.16	0.16	0.10	0.10	0.10	0.78	1.74
20	0.00	0.02	0.73	0.04	0.23	0.11	0.11	0.11	0.01	0.01	0.01	0.38	1.15
21	0.00	0.10	2.05	0.04	0.66	0.41	0.41	0.41	0.40	0.40	0.40	2.42	3.65
22	0.00	0.11	2.16	0.13	0.56	0.10	0.10	0.10	0.02	0.02	0.02	0.36	3.08
23	0.00	0.08	0.96	0.01	0.41	0.12	0.12	0.12	0.02	0.02	0.02	0.40	1.60
24	0.00	0.03	0.77	0.03	0.20	0.10	0.10	0.10	0.02	0.02	0.02	0.34	1.14
25	0.00	0.07	1.60	0.02	0.52	0.28	0.28	0.28	0.22	0.22	0.22	1.51	2.71
26	0.00	0.04	0.97	0.04	0.22	0.13	0.13	0.13	0.02	0.02	0.02	0.44	1.42
27	0.00	0.03	0.58	0.01	0.12	0.05	0.05	0.05	0.01	0.01	0.01	0.18	0.79
28	0.00	0.06	1.02	0.02	0.31	0.13	0.13	0.13	0.06	0.06	0.06	0.57	1.60
29	0.00	0.04	0.75	0.01	0.24	0.10	0.10	0.10	0.03	0.03	0.03	0.37	1.16
30	0.00	0.03	0.65	0.04	0.26	0.18	0.18	0.18	0.03	0.03	0.03	0.63	1.19
31	0.00	0.04	0.82	0.07	0.17	0.09	0.09	0.09	0.03	0.03	0.03	0.36	1.22
32	0.00	0.08	1.49	0.08	0.62	0.35	0.35	0.35	0.08	0.08	0.08	1.30	2.69
33	0.00	0.05	1.05	0.05	0.34	0.30	0.30	0.30	0.09	0.09	0.09	1.16	1.88
34	0.00	0.07	1.71	0.00	0.49	0.27	0.27	0.27	0.27	0.27	0.27	1.62	2.80
35	0.00	0.04	1.09	0.05	0.35	0.12	0.12	0.12	0.03	0.03	0.03	0.46	1.67
36	0.00	0.01	0.07	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.10

Table 57(v) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
37	0.00	0.04	1.14	0.06	0.38	0.25	0.25	0.25	0.14	0.14	0.14	1.15	2.00
38	0.00	0.10	2.44	0.06	0.65	0.32	0.32	0.32	0.21	0.21	0.21	1.59	3.78
39	0.00	0.01	0.46	0.06	0.08	0.03	0.03	0.03	0.00	0.00	0.00	0.10	0.64
40	0.00	0.02	0.63	0.01	0.10	0.03	0.03	0.03	0.01	0.01	0.01	0.11	0.79
41	0.00	0.01	0.27	0.00	0.05	0.02	0.02	0.02	0.00	0.00	0.00	0.05	0.35
42	0.00	0.20	9.08	0.05	3.24	2.04	2.04	2.04	2.38	2.38	2.38	13.26	16.99
43	0.00	0.11	1.14	0.10	0.54	0.32	0.32	0.32	0.11	0.11	0.11	1.29	2.32
44	0.00	0.02	0.51	0.03	0.12	0.05	0.05	0.05	0.00	0.00	0.00	0.15	0.73
45	0.00	0.05	1.36	0.07	0.30	0.17	0.17	0.17	0.13	0.13	0.13	0.91	2.09
46	0.00	0.07	2.03	0.02	0.42	0.14	0.14	0.14	0.02	0.02	0.02	0.49	2.70
47	0.00	0.01	0.33	0.01	0.06	0.02	0.02	0.02	0.00	0.00	0.00	0.07	0.42
48	0.00	0.08	1.40	0.03	0.27	0.18	0.18	0.18	0.05	0.05	0.05	0.67	2.01
49	0.00	0.10	1.62	0.09	0.35	0.34	0.34	0.34	0.13	0.13	0.13	1.38	2.63
50	0.00	0.08	1.23	0.05	0.47	0.20	0.20	0.20	0.05	0.05	0.05	0.74	2.08
51	0.00	0.13	1.61	0.08	0.48	0.32	0.32	0.32	0.28	0.28	0.28	1.80	2.90
52	0.00	0.05	1.09	0.04	0.39	0.30	0.30	0.30	0.06	0.06	0.06	1.07	1.92
53	0.00	0.01	0.87	0.03	0.16	0.06	0.06	0.06	0.02	0.02	0.02	0.25	1.16
54	0.00	0.03	1.42	0.04	0.34	0.14	0.14	0.14	0.01	0.01	0.01	0.47	1.98

Table 57(w) AM 10 Carbon Emissions - DfT Sites														
Year 1														
2015 Total Emissions (thousand tonnes CO2)														
Post-scheme														
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles	
55	0.00	0.03	0.67	0.01	0.23	0.12	0.12	0.12	0.11	0.11	0.11	0.70	1.16	
56	0.00	0.02	0.49	0.03	0.07	0.03	0.03	0.03	0.00	0.00	0.00	0.09	0.63	
57	0.00	0.00	0.06	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	
58	0.00	0.05	0.96	0.01	0.22	0.13	0.13	0.13	0.16	0.16	0.16	0.88	1.53	
59	0.00	0.04	0.50	0.01	0.13	0.03	0.03	0.03	0.01	0.01	0.01	0.10	0.71	
60	0.00	0.08	1.61	0.02	0.67	0.45	0.45	0.45	0.24	0.24	0.24	2.06	3.06	
61	0.00	0.42	7.25	0.07	1.99	1.51	1.51	1.51	0.92	0.92	0.92	7.30	12.15	
62	0.00	0.01	0.51	0.08	0.19	0.06	0.06	0.06	0.01	0.01	0.01	0.21	0.86	
63	0.00	0.02	0.43	0.02	0.13	0.08	0.08	0.08	0.07	0.07	0.07	0.44	0.75	
64	0.00	0.04	0.64	0.01	0.14	0.08	0.08	0.08	0.03	0.03	0.03	0.34	0.94	
65	0.00	0.05	1.04	0.02	0.20	0.07	0.07	0.07	0.02	0.02	0.02	0.28	1.41	
66	0.00	0.04	1.19	0.03	0.26	0.07	0.07	0.07	0.04	0.04	0.04	0.34	1.63	
67	0.00	0.19	2.78	0.07	0.80	0.43	0.43	0.43	0.18	0.18	0.18	1.83	4.45	
68	0.00	0.02	1.38	0.10	0.29	0.05	0.05	0.05	0.01	0.01	0.01	0.17	1.85	
69	0.00	0.08	2.09	0.05	0.67	0.41	0.41	0.41	0.21	0.21	0.21	1.85	3.50	
70	0.00	0.03	1.68	0.04	0.53	0.26	0.26	0.26	0.09	0.09	0.09	1.06	2.65	
71	0.00	0.03	0.39	0.01	0.09	0.04	0.04	0.04	0.01	0.01	0.01	0.16	0.57	
72	0.00	0.05	1.22	0.02	0.24	0.15	0.15	0.15	0.07	0.07	0.07	0.68	1.76	

Table 57(x) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
73	0.00	0.01	0.45	0.05	0.08	0.02	0.02	0.02	0.00	0.00	0.00	0.08	0.62
74	0.00	0.02	0.40	0.00	0.09	0.03	0.03	0.03	0.01	0.01	0.01	0.13	0.56
75	0.00	0.06	1.33	0.09	0.32	0.16	0.16	0.16	0.03	0.03	0.03	0.58	1.98
76	0.00	0.03	1.10	0.01	0.31	0.22	0.22	0.22	0.12	0.12	0.12	1.00	1.78
77	0.00	0.04	1.19	0.04	0.34	0.30	0.30	0.30	0.15	0.15	0.15	1.35	2.06
78	0.00	0.03	0.67	0.01	0.20	0.06	0.06	0.06	0.00	0.00	0.00	0.21	0.99
79	0.00	0.05	1.17	0.06	0.30	0.11	0.11	0.11	0.01	0.01	0.01	0.36	1.70
80	0.00	0.04	1.19	0.05	0.30	0.10	0.10	0.10	0.01	0.01	0.01	0.35	1.68
81	0.00	0.03	0.61	0.06	0.10	0.05	0.05	0.05	0.01	0.01	0.01	0.17	0.86
82	0.00	0.08	1.17	0.07	0.26	0.19	0.19	0.19	0.02	0.02	0.02	0.65	1.80
83	0.00	0.01	0.24	0.01	0.04	0.03	0.03	0.03	0.01	0.01	0.01	0.12	0.34
84	0.00	0.01	0.64	0.01	0.07	0.04	0.04	0.04	0.01	0.01	0.01	0.16	0.78
85	0.00	0.03	0.66	0.02	0.17	0.09	0.09	0.09	0.01	0.01	0.01	0.30	0.98
86	0.00	0.01	0.29	0.01	0.11	0.06	0.06	0.06	0.01	0.01	0.01	0.21	0.49
87	0.00	0.02	0.40	0.02	0.20	0.09	0.09	0.09	0.03	0.03	0.03	0.36	0.76
88	0.00	0.01	0.43	0.01	0.11	0.06	0.06	0.06	0.05	0.05	0.05	0.33	0.68
89	0.00	0.01	0.49	0.02	0.09	0.03	0.03	0.03	0.02	0.02	0.02	0.15	0.66
90	0.00	0.03	0.77	0.02	0.22	0.15	0.15	0.15	0.07	0.07	0.07	0.66	1.26

Table 57(y) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
91	0.00	0.06	2.55	0.24	0.65	0.28	0.28	0.28	0.07	0.07	0.07	1.06	3.85
92	0.00	0.07	2.59	0.08	0.76	0.40	0.40	0.40	0.18	0.18	0.18	1.74	4.07
93	0.00	0.03	0.55	0.01	0.15	0.06	0.06	0.06	0.01	0.01	0.01	0.19	0.80
94	0.00	0.12	2.88	0.04	0.84	0.37	0.37	0.37	0.27	0.27	0.27	1.94	4.53
95	0.00	0.08	1.91	0.05	0.46	0.22	0.22	0.22	0.08	0.08	0.08	0.90	2.79
96	0.00	0.04	0.85	0.03	0.21	0.10	0.10	0.10	0.02	0.02	0.02	0.38	1.25
97	0.00	0.02	0.46	0.01	0.09	0.04	0.04	0.04	0.01	0.01	0.01	0.16	0.64
98	0.00	0.10	2.30	0.05	0.66	0.20	0.20	0.20	0.06	0.06	0.06	0.79	3.37
99	0.00	0.26	4.87	0.05	1.60	1.09	1.09	1.09	1.28	1.28	1.28	7.12	9.15
100	0.00	0.01	0.17	0.01	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.05	0.25
101	0.00	0.05	1.23	0.04	0.45	0.30	0.30	0.30	0.11	0.11	0.11	1.22	2.18
102	0.00	0.01	0.48	0.01	0.11	0.03	0.03	0.03	0.01	0.01	0.01	0.12	0.65
103	0.00	0.39	8.09	0.10	2.09	1.29	1.29	1.29	0.78	0.78	0.78	6.20	12.74
104	0.00	0.14	4.58	0.14	1.71	1.05	1.05	1.05	0.62	0.62	0.62	5.00	8.24
105	0.00	0.27	6.31	0.06	1.77	1.02	1.02	1.02	0.53	0.53	0.53	4.67	9.96
106	0.00	0.16	1.58	0.01	0.60	0.22	0.22	0.22	0.05	0.05	0.05	0.82	2.63
107	0.00	0.15	2.72	0.02	0.76	0.38	0.38	0.38	0.16	0.16	0.16	1.62	4.19
108	0.00	0.08	1.87	0.21	0.42	0.11	0.11	0.11	0.01	0.01	0.01	0.37	2.69

Table 57(z) AM 10 Carbon Emissions - DfT Sites														
Year 1														
2015 Total Emissions (thousand tonnes CO2)														
Post-scheme														
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles	
109	0.00	0.06	1.36	0.05	0.37	0.18	0.18	0.18	0.09	0.09	0.09	0.81	2.10	
110	0.00	0.01	0.39	0.01	0.10	0.03	0.03	0.03	0.01	0.01	0.01	0.12	0.56	
111	0.00	0.03	0.47	0.02	0.13	0.05	0.05	0.05	0.01	0.01	0.01	0.19	0.71	
112	0.00	0.02	0.68	0.11	0.12	0.05	0.05	0.05	0.02	0.02	0.02	0.21	1.01	
113	0.00	0.21	5.22	0.18	1.31	1.09	1.09	1.09	0.63	0.63	0.63	5.15	8.63	
114	0.00	0.01	0.35	0.01	0.09	0.04	0.04	0.04	0.02	0.02	0.02	0.19	0.53	
115	0.00	0.05	1.03	0.14	0.23	0.08	0.08	0.08	0.00	0.00	0.00	0.26	1.54	
116	0.00	0.02	0.65	0.00	0.32	0.11	0.11	0.11	0.01	0.01	0.01	0.36	1.12	
117	0.00	0.02	0.51	0.01	0.10	0.04	0.04	0.04	0.07	0.07	0.07	0.33	0.76	
118	0.00	0.04	1.17	0.07	0.51	0.29	0.29	0.29	0.04	0.04	0.04	0.98	2.11	
119	0.00	0.05	1.16	0.04	0.42	0.20	0.20	0.20	0.07	0.07	0.07	0.80	1.94	
120	0.00	0.03	1.43	0.03	0.38	0.36	0.36	0.36	0.13	0.13	0.13	1.48	2.36	
121	0.00	0.07	1.72	0.11	0.30	0.13	0.13	0.13	0.06	0.06	0.06	0.58	2.40	
122	0.00	0.11	3.25	0.15	0.64	0.79	0.79	0.79	0.54	0.54	0.54	3.99	5.48	
123	0.00	0.01	0.24	0.00	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.30	
124	0.00	0.09	1.20	0.02	0.45	0.47	0.47	0.47	0.53	0.53	0.53	3.01	2.76	
125	0.00	0.01	0.23	0.00	0.08	0.06	0.06	0.06	0.12	0.12	0.12	0.52	0.50	
126	0.00	0.01	0.20	0.00	0.05	0.03	0.03	0.03	0.00	0.00	0.00	0.09	0.29	

Table 57(aa) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
127	0.00	0.01	0.60	0.02	0.13	0.03	0.03	0.03	0.00	0.00	0.00	0.09	0.79
128	0.00	0.02	0.76	0.24	0.10	0.08	0.08	0.08	0.01	0.01	0.01	0.26	1.21
129	0.00	0.02	0.42	0.01	0.13	0.13	0.13	0.13	0.08	0.08	0.08	0.62	0.79
130	0.00	0.63	8.83	0.11	2.78	2.37	2.37	2.37	2.25	2.25	2.25	13.84	16.98
131	0.00	0.08	1.95	0.19	0.38	0.11	0.11	0.11	0.02	0.02	0.02	0.38	2.72
132	0.00	0.04	0.73	0.01	0.17	0.07	0.07	0.07	0.05	0.05	0.05	0.36	1.08
133	0.00	0.06	2.52	0.08	0.67	0.60	0.60	0.60	0.39	0.39	0.39	2.97	4.33
134	0.00	0.00	0.02	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.04
135	0.00	0.01	0.22	0.03	0.05	0.03	0.03	0.03	0.01	0.01	0.01	0.09	0.33
136	0.00	0.02	0.18	0.01	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.28	0.35
137	0.00	0.01	0.30	0.02	0.07	0.02	0.02	0.02	0.01	0.01	0.01	0.09	0.42
138	0.00	0.02	0.58	0.03	0.15	0.09	0.09	0.09	0.01	0.01	0.01	0.30	0.88
139	0.00	0.00	0.22	0.00	0.05	0.04	0.04	0.04	0.02	0.02	0.02	0.17	0.34
140	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06
141	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07
142	0.00	0.00	0.04	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.07
143	0.00	0.01	0.33	0.01	0.07	0.03	0.03	0.03	0.02	0.02	0.02	0.16	0.48
144	0.00	0.02	0.53	0.03	0.11	0.07	0.07	0.07	0.05	0.05	0.05	0.35	0.81

Table 57(ab) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	MotorcycLes	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
145	0.00	0.01	0.18	0.00	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.20	0.30
146	0.00	0.00	0.15	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.20
147	0.00	0.00	0.13	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.18
148	0.00	0.01	0.37	0.02	0.07	0.03	0.03	0.03	0.00	0.00	0.00	0.11	0.51
149	0.00	0.00	0.04	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.08
150	0.00	0.01	0.24	0.01	0.09	0.05	0.05	0.05	0.11	0.11	0.11	0.46	0.50
151	0.00	0.00	0.10	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.16
152	0.00	0.34	11.12	0.15	3.60	2.68	2.68	2.68	3.06	3.06	3.06	17.21	20.95
153	0.00	0.23	6.71	0.07	2.01	1.17	1.17	1.17	1.26	1.26	1.26	7.28	11.45
154	0.00	0.01	0.42	0.01	0.10	0.04	0.04	0.04	0.00	0.00	0.00	0.14	0.59
155	0.00	0.05	1.18	0.07	0.22	0.08	0.08	0.08	0.05	0.05	0.05	0.38	1.64
156	0.00	0.01	0.43	0.01	0.08	0.05	0.05	0.05	0.00	0.00	0.00	0.15	0.57
157	0.00	0.01	0.42	0.01	0.10	0.04	0.04	0.04	0.00	0.00	0.00	0.14	0.59
158	0.00	0.01	0.37	0.04	0.09	0.02	0.02	0.02	0.00	0.00	0.00	0.07	0.53
159	0.00	0.02	0.58	0.05	0.14	0.12	0.12	0.12	0.02	0.02	0.02	0.42	0.92
160	0.00	0.03	0.56	0.07	0.15	0.06	0.06	0.06	0.02	0.02	0.02	0.26	0.90
161	0.00	0.01	0.22	0.03	0.06	0.03	0.03	0.03	0.01	0.01	0.01	0.12	0.36
162	0.00	0.04	1.24	0.03	0.24	0.15	0.15	0.15	0.08	0.08	0.08	0.67	1.76

Table 57(ac) AM 10 Carbon Emissions - DfT Sites														
Year 1														
2015 Total Emissions (thousand tonnes CO2)														
Post-scheme														
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles	
163	0.00	0.02	0.50	0.01	0.14	0.13	0.13	0.13	0.09	0.09	0.09	0.65	0.89	
164	0.00	0.02	0.30	0.00	0.07	0.04	0.04	0.04	0.05	0.05	0.05	0.28	0.49	
165	0.00	0.01	0.19	0.01	0.05	0.04	0.04	0.04	0.02	0.02	0.02	0.19	0.31	
166	0.00	0.01	0.27	0.01	0.09	0.03	0.03	0.03	0.00	0.00	0.00	0.11	0.41	
167	0.00	0.06	1.48	0.04	0.31	0.13	0.13	0.13	0.04	0.04	0.04	0.52	2.07	
168	0.00	0.02	0.81	0.03	0.26	0.12	0.12	0.12	0.01	0.01	0.01	0.41	1.25	
169	0.00	0.02	0.85	0.06	0.33	0.21	0.21	0.21	0.11	0.11	0.11	0.96	1.59	
170	0.00	0.01	0.45	0.05	0.08	0.02	0.02	0.02	0.00	0.00	0.00	0.08	0.63	
171	0.00	0.01	0.33	0.02	0.06	0.03	0.03	0.03	0.01	0.01	0.01	0.11	0.46	
172	0.00	0.04	0.43	0.01	0.11	0.02	0.02	0.02	0.01	0.01	0.01	0.09	0.62	
173	0.00	0.02	0.38	0.01	0.10	0.05	0.05	0.05	0.01	0.01	0.01	0.17	0.57	
174	0.00	0.00	0.11	0.01	0.03	0.02	0.02	0.02	0.00	0.00	0.00	0.05	0.17	
175	0.00	0.01	0.34	0.00	0.06	0.02	0.02	0.02	0.00	0.00	0.00	0.06	0.44	
176	0.00	0.01	0.20	0.00	0.09	0.03	0.03	0.03	0.00	0.00	0.00	0.11	0.33	
177	0.00	0.01	1.31	0.06	0.33	0.21	0.21	0.21	0.04	0.04	0.04	0.74	1.97	
178	0.00	0.03	0.78	0.02	0.18	0.05	0.05	0.05	0.02	0.02	0.02	0.23	1.09	
179	0.00	0.03	1.25	0.04	0.27	0.11	0.11	0.11	0.02	0.02	0.02	0.37	1.71	
180	0.00	0.05	2.18	0.07	0.53	0.20	0.20	0.20	0.04	0.04	0.04	0.75	3.09	

Table 57(ad) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
181	0.00	0.01	0.26	0.02	0.07	0.04	0.04	0.04	0.01	0.01	0.01	0.15	0.41
182	0.00	0.01	0.32	0.03	0.11	0.06	0.06	0.06	0.02	0.02	0.02	0.23	0.54
183	0.00	0.01	0.44	0.03	0.14	0.08	0.08	0.08	0.02	0.02	0.02	0.30	0.72
184	0.00	0.02	0.41	0.03	0.14	0.06	0.06	0.06	0.03	0.03	0.03	0.24	0.67
185	0.00	0.38	6.47	0.06	1.92	1.29	1.29	1.29	1.99	1.99	1.99	9.83	12.10
186	0.00	0.04	1.02	0.02	0.30	0.20	0.20	0.20	0.27	0.27	0.27	1.42	1.85
187	0.00	0.42	6.92	0.14	1.54	0.81	0.81	0.81	0.56	0.56	0.56	4.11	10.39
188	0.00	0.04	0.95	0.01	0.25	0.12	0.12	0.12	0.04	0.04	0.04	0.48	1.42
189	0.00	0.01	0.26	0.01	0.08	0.04	0.04	0.04	0.02	0.02	0.02	0.19	0.42
190	0.00	0.01	0.49	0.01	0.13	0.07	0.07	0.07	0.03	0.03	0.03	0.31	0.74
191	0.00	0.13	4.19	0.12	1.14	0.77	0.77	0.77	0.33	0.33	0.33	3.31	6.68
192	0.00	0.01	0.08	0.00	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.17	0.18
193	0.00	0.01	0.40	0.01	0.09	0.07	0.07	0.07	0.04	0.04	0.04	0.33	0.63
194	0.00	0.01	0.28	0.00	0.07	0.03	0.03	0.03	0.06	0.06	0.06	0.27	0.45
195	0.00	0.01	0.17	0.01	0.04	0.02	0.02	0.02	0.00	0.00	0.00	0.06	0.25
196	0.00	0.00	0.09	0.00	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.14
197	0.00	0.02	0.49	0.01	0.13	0.06	0.06	0.06	0.02	0.02	0.02	0.24	0.74
198	0.00	0.01	0.16	0.01	0.05	0.03	0.03	0.03	0.01	0.01	0.01	0.12	0.27

Table 57(ae) AM 10 Carbon Emissions - DfT Sites														
Year 1														
2015 Total Emissions (thousand tonnes CO2)														
Post-scheme														
Ref No	PedalCycles	MotorcCycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles	
199	0.00	0.04	0.85	0.03	0.22	0.15	0.15	0.15	0.04	0.04	0.04	0.58	1.33	
200	0.00	0.02	0.49	0.02	0.14	0.05	0.05	0.05	0.02	0.02	0.02	0.21	0.74	
201	0.00	0.01	0.22	0.00	0.06	0.01	0.01	0.01	0.00	0.00	0.00	0.05	0.30	
202	0.00	0.01	0.12	0.01	0.03	0.02	0.02	0.02	0.00	0.00	0.00	0.07	0.19	
203	0.00	0.01	0.26	0.01	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.12	0.38	
204	0.00	0.01	0.13	0.00	0.04	0.02	0.02	0.02	0.00	0.00	0.00	0.07	0.20	
205	0.00	0.01	0.20	0.01	0.05	0.01	0.01	0.01	0.00	0.00	0.00	0.05	0.28	
206	0.00	0.01	0.08	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.11	
207	0.00	0.00	0.07	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.10	
208	0.00	0.03	0.83	0.01	0.25	0.22	0.22	0.22	0.19	0.19	0.19	1.21	1.53	
209	0.00	0.02	0.28	0.00	0.09	0.04	0.04	0.04	0.03	0.03	0.03	0.21	0.46	
210	0.00	0.01	0.51	0.02	0.16	0.09	0.09	0.09	0.02	0.02	0.02	0.35	0.82	
211	0.00	0.02	0.36	0.01	0.09	0.03	0.03	0.03	0.02	0.02	0.02	0.17	0.53	
212	0.00	0.03	1.58	0.05	0.34	0.15	0.15	0.15	0.05	0.05	0.05	0.60	2.20	
213	0.00	0.04	0.57	0.02	0.15	0.05	0.05	0.05	0.02	0.02	0.02	0.24	0.86	
214	0.00	0.01	0.19	0.00	0.04	0.02	0.02	0.02	0.00	0.00	0.00	0.06	0.26	
215	0.00	0.00	0.08	0.01	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.13	0.16	
216	0.00	0.03	0.22	0.01	0.05	0.03	0.03	0.03	0.01	0.01	0.01	0.12	0.36	

Table 57(af) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
217	0.00	0.02	0.96	0.01	0.27	0.07	0.07	0.07	0.00	0.00	0.00	0.21	1.33
218	0.00	0.02	0.40	0.01	0.09	0.06	0.06	0.06	0.04	0.04	0.04	0.32	0.62
219	0.00	0.02	0.43	0.01	0.10	0.07	0.07	0.07	0.05	0.05	0.05	0.35	0.68
220	0.00	0.01	0.15	0.00	0.03	0.02	0.02	0.02	0.00	0.00	0.00	0.06	0.21
221	0.00	0.01	0.26	0.00	0.06	0.05	0.05	0.05	0.01	0.01	0.01	0.17	0.38
222	0.00	0.02	0.81	0.02	0.14	0.04	0.04	0.04	0.00	0.00	0.00	0.13	1.03
223	0.00	0.00	0.19	0.01	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.05	0.26
224	0.00	0.01	0.21	0.02	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.28
225	0.00	0.06	0.91	0.03	0.19	0.08	0.08	0.08	0.02	0.02	0.02	0.30	1.30
226	0.00	0.00	0.07	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.05	0.11
227	0.00	0.03	0.54	0.02	0.15	0.04	0.04	0.04	0.01	0.01	0.01	0.16	0.80
228	0.00	0.01	0.29	0.00	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.37
229	0.00	0.04	0.71	0.00	0.16	0.09	0.09	0.09	0.06	0.06	0.06	0.45	1.06
230	0.00	0.01	0.34	0.02	0.07	0.01	0.01	0.01	0.00	0.00	0.00	0.06	0.45
231	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
232	0.00	0.01	0.11	0.01	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.09	0.19
233	0.00	0.00	0.03	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.06
234	0.00	0.00	0.06	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.09

Table 57(ag) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	MotorcycLes	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
235	0.00	0.00	0.04	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.08
236	0.00	0.00	0.06	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.09
237	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
238	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
239	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08
240	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
241	0.00	0.01	0.09	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.12
242	0.00	0.03	0.61	0.02	0.07	0.03	0.03	0.03	0.00	0.00	0.00	0.11	0.78
243	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04
244	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
245	0.00	0.00	0.05	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.08
246	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
247	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.05
248	0.00	0.02	0.43	0.00	0.10	0.14	0.14	0.14	0.12	0.12	0.12	0.77	0.80
249	0.00	0.01	0.16	0.02	0.04	0.03	0.03	0.03	0.01	0.01	0.01	0.13	0.28
250	0.00	0.00	0.02	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.04
251	0.00	0.01	0.20	0.00	0.05	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.27
252	0.00	0.00	0.25	0.00	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.29

Table 57(ah) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	MotorcycLes	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
253	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
254	0.00	0.01	0.24	0.01	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.31
255	0.00	0.01	0.34	0.00	0.08	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.45
256	0.00	0.00	0.15	0.01	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.22
257	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06
258	0.00	0.02	0.41	0.01	0.07	0.05	0.05	0.05	0.01	0.01	0.01	0.16	0.57
259	0.00	0.01	0.35	0.01	0.05	0.02	0.02	0.02	0.00	0.00	0.00	0.05	0.44
260	0.00	0.01	0.41	0.02	0.10	0.03	0.03	0.03	0.00	0.00	0.00	0.10	0.57
261	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
262	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
263	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
264	0.00	0.00	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07
265	0.00	0.01	0.13	0.00	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.17
266	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
267	0.00	0.01	0.16	0.01	0.04	0.02	0.02	0.02	0.00	0.00	0.00	0.09	0.25
268	0.00	0.00	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06
269	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
270	0.00	0.00	0.06	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.10

Table 57(ai) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	MotorcycLes	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
271	0.00	0.01	0.31	0.01	0.08	0.06	0.06	0.06	0.02	0.02	0.02	0.22	0.49
272	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
273	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	0.00	0.00	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
275	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
276	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03
277	0.00	0.00	0.03	0.00	0.02	0.01	0.01	0.01	0.06	0.06	0.06	0.23	0.13
278	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
279	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
280	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
281	0.00	0.00	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
282	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
283	0.00	0.00	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
284	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04
285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
286	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
287	0.00	0.01	0.22	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.26
288	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02

Table 57(aj) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	Motorcycles	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
289	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
290	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
291	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
292	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
293	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
294	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
296	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
297	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
298	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
299	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
301	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
302	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
303	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
304	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
306	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Table 57(ak) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	PedalCycles	MotorcycLes	CarsTaxis	BusesCoaches	LightGoodsVehicles	V2AxleRigidHGV	V3AxleRigidHGV	V4or5AxleRigidHGV	V3or4AxleArticHGV	V5AxleArticHGV	V6orMoreAxleArticHGV	AllHGVs	AllMotorVehicles
307	0.00	0.00	0.20	0.00	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.04	0.26
308	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
309	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
310	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
311	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
312	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
313	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
314	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
316	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
317	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
318	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
319	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
320	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
321	0.00	0.00	0.04	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.06
322	0.00	0.00	0.06	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.02	0.09
323	0.00	0.01	0.16	0.01	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.08	0.23
324	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04

Table 57(al) AM 10 Carbon Emissions - DfT Sites													
Year 1													
2015 Total Emissions (thousand tonnes CO2)													
Post-scheme													
Ref No	**PedalCycles**	**Motorcycles**	**CarsTaxis**	**BusesCoaches**	**LightGoodsVehicles**	**V2AxleRigidHGV**	**V3AxleRigidHGV**	**V4or5AxleRigidHGV**	**V3or4AxleArticHGV**	**V5AxleArticHGV**	**V6orMoreAxleArticHGV**	**AllHGVs**	**AllMotorVehicles**
325	0.00	0.01	0.12	0.00	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.05	0.17
326	0.00	0.01	0.37	0.01	0.07	0.02	0.02	0.02	0.00	0.00	0.00	0.06	0.48
327	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
328	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
329	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
330	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
331	0.00	0.00	0.09	0.00	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.03	0.12
332	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
333	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
334	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
335	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
336	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
337	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Totals	**0.00**	**11.71**	**272.83**	**8.59**	**75.60**	**43.81**	**43.81**	**43.81**	**28.23**	**28.23**	**28.23**	**216.15**	**440.78**

Table 58(a) AM 10 Carbon Emissions - Summary													
Year 1													
2014 Carbon Output													
Pre-scheme													
Period	**PedalCycles**	**Motorcycles**	**CarsTaxis**	**BusesCoaches**	**LightGoodsVehicles**	**V2AxleRigidHGV**	**V3AxleRigidHGV**	**V4or5AxleRigidHGV**	**V3or4AxleArticHGV**	**V5AxleArticHGV**	**V6orMoreAxleArticHGV**	**AllHGVs**	**AllMotorVehicles**
Flow	17187	37243	3677618	31195	674398	72332	13367	15431	6806	15610	17925	141466	4561912
Average speed (mph)		29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
Emission (g CO_2 / km)	0.00	11.69	268.70	8.47	72.67	42.81	42.81	42.81	27.14	27.14	27.14	209.87	431.49
2015 Carbon Output													
Post-scheme													
Flow	16843	36722	3716868	31208	695657	70937	13986	15680	7599	15848	18335	142374	4622844
Average speed (mph)		29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
Emission (g CO_2 / km)	0.00	11.71	272.83	8.59	75.60	43.81	43.81	43.81	28.23	28.23	28.23	216.15	440.78
Carbon Output Comparison													
Traffic Flow (+/-) %	-2%	-1%	1%	0%	3%	-2%	5%	2%	12%	2%	2%	1%	1%
Speed (+/-) %		-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%	-3%
Emission (g CO_2 / km) (+/-) %	0%	0%	2%	1%	4%	2%	2%	2%	4%	4%	4%	3%	2%

7.10 KPI 4

This KPI shows where promoters start their works without having to comply with the minimum Permit application lead-in period, commonly known as early start agreements. In total 15% of highway authority works and 3% of utility works received early start agreement. Both promoters should be treated on an equal standing and the data may show that the highway authority are treated differently to highway authority promoters or there is a greater amount of discussion before a Permit is submitted.

As can be seen a greater proportion of Early Starts are agreed with the Highway Authority own works than the Utilities. This will be monitored so the reason can be understood and reported on.

Table 59 KPI 4 The number of occurrences of reducing the application period (early starts)									
Period	Year 1			Year 2			Year 3		
	Early Starts Agreements			Early Starts Agreements			Early Starts Agreements		
	Highway Authority	Utilities	Total	Highway Authority	Utilities	Total	Highway Authority	Utilities	Total
Apr-15	251	86							
May-15	229	87							
Jun-15	201	117							
Jul-15	155	108							
Aug-15	264	124							
Sep-15	155	92							
Oct-15	352	179							
Nov-15	496	175							
Dec-15	443	208							
Jan-16	612	244							
Feb-16	626	224							
Mar-16	163	54							
Total	3,947	1,698	-						

7.11 KPI 5

This information is not available at this time.

Table 60 KPI 5 The number of agreements to work in Section 58 and Section 58A restrictions					
Year 1	12	**Year 2**		**Year 3**	

7.12 KPI 6

This information is not available at this time.

Table 61 KPI 6 The proportion of times that a permit authority intervenes on applications					
Year 1	0	**Year 2**		**Year 3**	

8 APPENDIX 3 – COSTS, INCOME and DISCOUNTS

There are two elements to the Permit Scheme costs:

- Start-up costs; and
- Ongoing costs.

8.1 FEE INCOME

£1,503,475 of Permit fee income was received. .

8.2 COSTS BUDGETS AND ACTUALS

Due to the risk associated with the amount of fee income being directly affected by operational decisions by Utility companies a budget was established for the first year of operation. The volume of Permits was broadly in line with expectations although fee income was less than would be expected for this volume.

8.3 AVERAGE PERMIT COST

By dividing the number of Utility Permits granted by the Permit Scheme cost an average cost per Permit can be calculated.

This is a useful indicator of the general scheme costs to Utilities and can be compared to other schemes to show a general financial efficiency level.

Table 62 – Average Permit Cost to Utilities

Promoters	Total Permit Applications	Total Scheme Cost	Average Permit Cost
Utility	46,343	£1,694,417	£36.56

8.4 DISCOUNTS GIVEN

Table 64 AM 12 The number of Discounts									
Period	Year 1			Year 2			Year 3		
	Number of Discounts			Number of Discounts			Number of Discounts		
	Highway Authority	Utilities	Total	Highway Authority	Utilities	Total	Highway Authority	Utilities	Total
Apr-15	213	339	552						
May-15	242	309	551						
Jun-15	265	359	624						
Jul-15	283	735	1,018						
Aug-15	273	558	831						
Sep-15	291	530	821						
Oct-15	278	414	692						
Nov-15	204	430	634						
Dec-15	165	388	553						
Jan-16	212	432	644						
Feb-16	305	493	798						
Mar-16	261	507	768						
Total	**2,992**	**5,494**	**8,486**						

Table 65 AM 12 The number of Discounts by Type									
Type	Year 1			Year 2			Year 3		
	Number of Discounts			Number of Discounts			Number of Discounts		
	Highway Authority	Utilities	Total	Highway Authority	Utilities	Total	Highway Authority	Utilities	Total
15% Immediate TS	15	141	156						
15% Minor TS	2366	3008	5,374						
15% PAA Major TS	37	7	44						
15% Standard TS	202	417	619						
100% Minor NTS	42	347	389						
15% Major TS	34	16	50						
100% Variation NTS/Immediate NTS	15	473	488						
100% Standard NTS	91	83	174						
100% Variation TS	20	447	467						
100% PAA NTS/Immediate TS	9	153	162						
100% Minor TS working outside TS times	3	7	10						
100% Minor TS	54	234	288						
100% Major NTS	5	28	33						
100% PAA Major TS	12	46	58						
100% Standard TS	73	76	149						
100% Major with 15% TS discount	1	0	1						
100% Major TS	13	11	24						
Total	**13**	**5,333**	**8,221**						

~ END ~