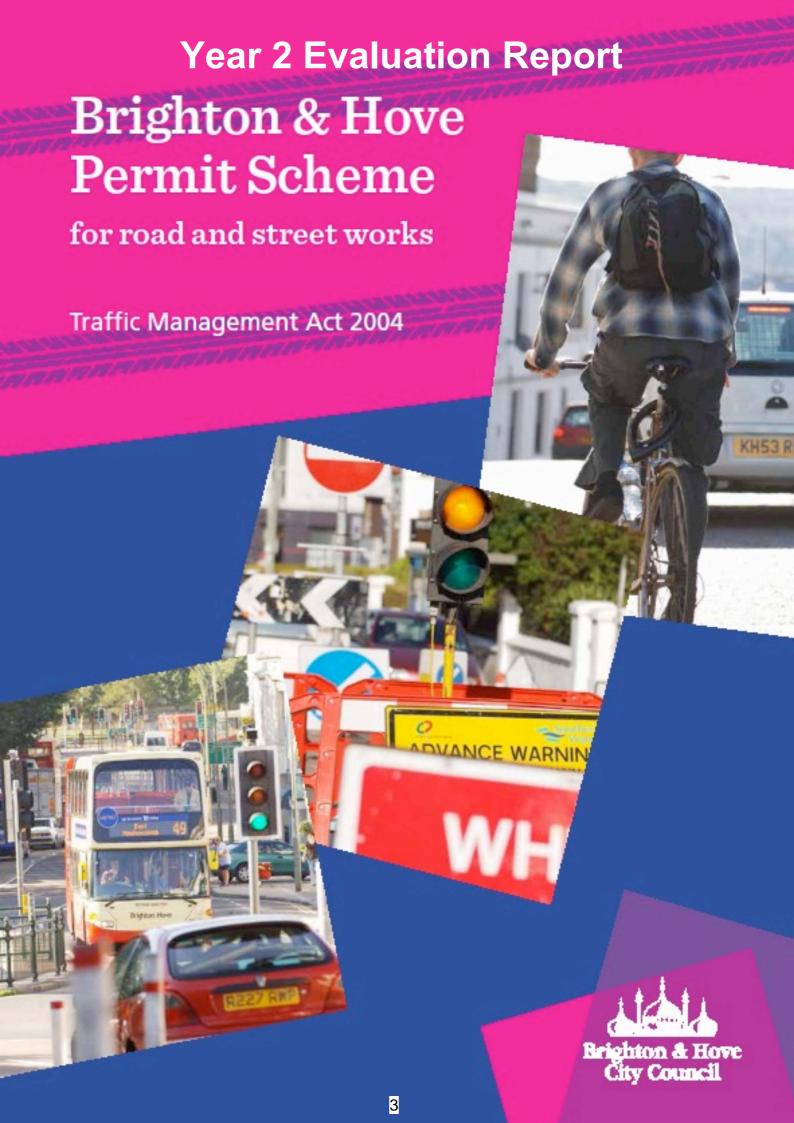


# ENVIRONMENT, TRANSPORT & SUSTAINABILITY COMMITTEE

# **SUPPORTING INFORMATION**



| Document Information |  |
|----------------------|--|
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#### 1 EXECUTIVE SUMMARY

The Brighton & Hove City Council Permit Scheme (B&HPS) was introduced on 30<sup>th</sup> March 2015 and had a successful first year. The second year has built on that success. The volume of works managed by the scheme has increased substantially, however, due to effective management, forward planning, recruitment and training, this has been dealt with efficiently.

The purpose of this report is to evaluate the previous year's operation of the Permit Scheme against its objectives and give consideration to the fee structure, the costs and benefits of operating the scheme and detail key performance indicators contained in Guidance.

The Permit Scheme is regarded as a best of breed scheme and has been replicated by 7 other Highway Authorities since its inception.

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.

This is an evaluation of the second year of operation and there are a wide range of indicators and measures that the industry has been discussing and agreeing that should be reported on. Some of these are possible to report on and some require further systems capability outside the control of the Permit team. This evaluation identifies all the indicators and measures agreed by the industry, through various representative groups.

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 Brighton & Hove Permit Scheme to continuously improve and understand the areas it is efficient and effective at and the areas that need improvement.

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 if possible produced in future years.

When the Permit Scheme was being developed a Benefit to Cost Ratio was prepared using predicted costs and volumes of applications. Now there are actual costs and volumes this has been rerun using the same network data and the change is shown below.

Now the Permit Scheme is established it indicates that the Permit Scheme is more beneficial to society than originally anticipated.

#### 1.1 COST BENEFIT ANALYSIS COMPARISON

| Table 1 Brighton and Hove Cost Benefit Analysis results |              |            |             |  |  |  |  |  |  |
|---|--------------|------------|-------------|--|--|--|--|--|--|
| 5% reduction in works impact                            | Opening Year | First Year | Second Year |  |  |  |  |  |  |
|   | Predicted    | Actuals    | Actuals     |  |  |  |  |  |  |
| Net Present Value of Benefits                           | £7,605,555   | £5,233,045 | £5,233,045  |  |  |  |  |  |  |
| Net Present Value of Costs                              | £754,685     | £565,000   | £480,000    |  |  |  |  |  |  |
| Net Present Value of Permit Scheme                      | £6,850,869   | £4,668,045 | £4,753,045  |  |  |  |  |  |  |
| Benefit to Cost Ratio                                   | 10.08        | 9.26       | 10.90       |  |  |  |  |  |  |

#### 1.2 SUMMARY FINDINGS

Traffic volume in Brighton & Hove in 2014 was 1,015 million vehicle kilometres (mvkm), in 2015 was 1,008 million vehicle kilometres (mvkm) and in 2016 was 1,024 million vehicle kilometres (mvkm) so has increased over the three years by 1%.

In the City, average traffic speeds during the weekday morning has decrease from 16.3mph to 16.1mph or 1.2%, against and national figures 17.0mph to 16.7mph or a 1.8% decrease. Therefore, it can be concluded that the reduction is speed is slightly less than the national average and a positive result. This may be a result of the implementation of the 20 mph zones in 2014 and 2015 and the increase in vehicle volumes. However, there has also been a substantial increase in works which would be expected to cause a greater decrease in average speeds. The effective management of the highway network has mitigated this and is a considerable achievement by the team.

Regarding Journey Times, in the pre-scheme period there was a steady increase from 3.63 minutes per mile (mpm) from April 2014 to 3.73 mpm to March 2015. The average journey time in April 2015 to June 2015 was 3.73 mpm and rose to 3.74 mpm in July 2015 to December 2015. This would suggest that the journey time reliability is settling following the recent two initiatives and is now less variable.

Due to the differences in the emission profiles of vehicles, carbon emissions decreased by 6% in the previous year. This year, carbon emissions have increased by 4% due to a slight reduction in vehicle speeds. The reduction in the speed of HGVs has reduced their associated carbon levels but as they represent only 2% of traffic volumes this has had a minimal effect.

Collision data shows that there has been no reduction in collisions in comparing 2016 to 2015 even though this is still 4% higher than predicted trends. However, there has been an increase in the number of works in the City so it would be reasonable to conclude that these works have been managed better, so the potential increase in collisions has not been realized.

During the 2<sup>nd</sup> year of operation; 13,896 Permit applications were received from Utility Promoters and Highway Authority Promoters. This is 52% increase and the majority came from Utility Promoters. This total includes applications that were granted but subsequently cancelled by the Promoter before the works were undertaken.

Due to increases in volumes economies of scale were realised and the average Utility cost of a Permit reduced by circa 5%.

Of particular note is the average duration of works. Major works undertaken by Utility Promoters has reduced from 22 days to 14 days making a significant impact on the level of disruption caused.

- 12,110 Permits were granted which is 87% of applications, down 3% on last year.
- 1,420 Permits were refused for various reasons which is 10% of applications down from 12% of applications last year. 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. Less Permits being refused would indicate that the quality of applications and uses of information such as online maps has improved the quality of application.

5% of applications from the Highway Authority were refused, down from 24% last year. 11% of Utility applications were refused, the same as last year. Therefore, the overall reduction in refusals is due to Highway Authority improvements. This need to be observed over the coming years parity of treatment is maintained.

- 1 Highway Authority Permit deemed (granted without co-ordination by the Permit team). These deemed Permits do not attract a fee. This is an outstanding achievement by the team.
- 2,936 variations requests were received which is still some 3 times the number originally expected using DfT calculations. Managing this continued high volume of variations has been a considerable challenge which has been met by the team.
- 2,352 variations to granted Permits were granted which is 80% of requests.
- 6,754 conditions were attached to Permits which is an increase of 17% over last year. The Permit Scheme allows for the attaching of conditions to Permits and not all types of conditions will necessarily be applied to all Permits.

There were 46 occasions of collaborative working in the City, 45 by the Utility Promoters. This collaborative working saved the City 159 days of works saving in excess of £100,000.

There were 73 cases of working in the City without a Permit and 257 breeches of agreed conditions were identified. These are offences and resulted in a Fixed Penalty Notices being issued. This situation need further monitoring and analysis.

#### 1.3 SECOND YEAR ISSUES

There were difficulties during the first year of operation with the IT system's ability to produce reports consistent with the industry's agreed indicators and measures. A new system has been procured from a different supplier and the impact of this will be seen in future reports.

Recruitment of the team went well during the lead up to, and during the first year of operation. This has continued. The Permit Scheme is fully resourced, and the members of staff are well trained, well managed and supported.

# 1.4 NEW STAFF

Staff costs have increased by over 10% to accommodate the increase volume of works that have been managed by the Permit team.

The original risk manged budget following the Cost Benefit Analysis identified £406,000 of additional new staff costs. £388,000 of additional new staff costs were incurred in the first year and this has grown to £430,000 for the second year.

Additional money has also been spent on training the team to maintain a high level of skill essential to the effective operation of the Permit Scheme.

#### 1.5 OPERATIONAL COSTS

Operational costs have increased from £92,000 to £214,551 which included improvements in IT systems and to accommodate the increase volume of works that have been managed by the Permit team.

#### 1.6 CONCLUSIONS

This report provides evaluation findings of key indicators and measures for the Brighton & Hove Permit Scheme after its second year of operation.

Overall, the Brighton & Hove Permit Scheme has been designed and implemented well. A number of other Highway Authorities have adopted the scheme for their areas as it is seen as a best of breed scheme.

The team now co-ordinate all road and street works in Brighton & Hove 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.

Fee income was slightly more than the scheme costs due to effective management and unexpected volume increases but is still well balanced. Therefore, there is no need to consider an adjustment in fee rates at this time.

There are still some difficulties gathering accurate data from the IT system but this has improved over the previous year. However, what has been gathered shows the objectives of the scheme are being met and that society is benefiting from the ongoing operation of the Permit Scheme.

In the first year there were less Utility Promoter applications than anticipated which may be a result of incorrect information from the previous system. The volume has increased substantially in the second year.

11% of Utility Promoter applications were refused which is the same as the previous year. This would appear to be a very reasonable level of refusal but will need to be monitored over the next year and benchmarked against other Permit Schemes.

Collaborative works have been organised which is a very challenging objective to achieve.

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 applied successful but needs to be quantified and measured.

Future reports will continue to add more data and allow greater analysis of the impact of the Permit Scheme.

Works are being Permitted and co-ordinated effectively and this 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 show but the data contained with this report.

#### 1.7 LOOKING FORWARD

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

- Embedding the new IT system and improving data recording and reporting
- Continuing staff training and development
- Monitoring of Utility discounts given and the behavioural changes that have resulted so the impact can be assessed
- How the Permit Team can support other initiatives within the Highway Department such as programmes to assess the level of compliance with Specification of the Reinstatement of Openings in Highways (SROH).

#### 2 DEVELOPING THE PERMIT SCHEME

During 2013 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, Brighton & Hove City Council has decided that the most appropriate scheme for Brighton & Hove is one that would operate on all streets.

The Brighton & Hove 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.

Discounted fees will also be given in the following circumstances:

- Where several Permit applications for works that are of part of the same project but which are carried out on more than one street, but on a scale comparative to one street, are submitted at the same time.
- Where several Promoters are working within the same site submit applications at the same time. Where the Highway Authority Promoter is collaborating with Statutory Undertakers, those Undertakers will be eligible for the discount.
- Where works are undertaken wholly outside of traffic sensitive times on Traffic Sensitive Streets. The improvements in the planning processes will benefit the operational management of the road network and undertakers needing to carry out works.

#### 2.1 TRAFFIC SENSITIVE NETWORK

During the first half of 2014 the highways team completed a review of the Traffic Sensitive Network in Brighton & Hove.

This was consulted on prior to the introduction of the Permit Scheme.

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 PERMIT SCHEME OBJECTIVES

The objectives of the Brighton & Hove Permit Scheme are;

# Working together to deliver a safe, efficient and sustainable highway network for everybody.

All activities on highways have the potential to reduce the width of the street available to traffic, pedestrians and other users and have the potential to also inconvenience businesses and local residents.

The scale of disruption caused is relative to the type of activities being undertaken and the capacity of the street. Activities where the traffic flow is close to, or exceeds, the physical capacity of the street will have the potential to cause congestion, disruption and delays.

The key objective of the Brighton & Hove Permit Scheme is to improve the strategic and operational management of the highway network through better planning, scheduling and management of activities to minimise disruption to any road or pavement user.

The Brighton & Hove Permit Scheme will enable better co-ordination of activities throughout the highway network, ensuring those competing for space or time in the street, including traffic, to be resolved in a positive and constructive way.

The objectives and benefits of the Brighton & Hove Permit Scheme are:

- Reduced disruption on the road network
- Improvements to overall network management
- A reduction in delays to the travelling public
- A reduction in costs to businesses caused by delays
- Promotion of a safer environment
- · Reduced carbon emissions

The Permit Scheme objectives will be facilitated by improving performance in line with the Authorities' Network Management Duty in relation to the following key factors:

- Enhanced co-ordination and cooperation
- Encouragement of partnership working between the Permit Authority, all Promoters and key stakeholders
- Provision of more accurate and timely information to be communicated between all stakeholders including members of the public
- Promotion and encouragement of collaborative working
- Improvement in timing and duration of activities particularly in relation to the busiest streets within the network
- Promotion of dialogue with regard to the way activities are to be carried out
- Enhanced programming of activities and better forward planning by all Promoters

#### 2.3 ALIGNED OBJECTIVES

The Permit Scheme objectives align with the strategic objectives contained within the Brighton & Hove Local Transport Plan 3 Part B Delivery Plan:

- Being innovative and creative
- Providing and using accurate/robust information
- Involving partners, stakeholders and communities
- Ensuring integration and coordination

The implementation of the Permit Scheme was justified in the Cost Benefit Analysis would incur a 5% reduction on roadworks.

#### 3 APPENDIX 1 - EVALUATION BACKGROUND

#### 3.1 PERMIT SCHEME EVALUATION

Swift Argent Ltd was commissioned by Brighton & Hove City Council (B&HCC) in 2016 to evaluate the performance of the of the Brighton & Hove Permit Scheme (B&HPS) each year of operation, as a requirement set out in The Traffic Management Permit Scheme (England) (Amendment) Regulations 2015 regulation 16A.

#### 3.2 SCOPE OF WORK

In order to evaluate the performance of a Permit Scheme a number 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 traffic and street data is collected from DfT data and statistics.

Ideally, annual performance data should be collected monthly throughout the year to enable changes and trends to be observed 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. The response can 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 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
  Also, 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, coordination 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 authority can collate its own data. These measures 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 is improved operation of the transport network through a reduction in journey times per unit distance travelled due to reduction in delay from works.

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%.

#### 3.5 JOURNEY TIME RELIABILITY

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 with some authorities such as TfL, Essex, Bedfordshire that is an accurate mechanism for monitoring journey times to provide a meaningful measure of overall network performance. 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

The presents of roadworks in itself has a higher rate of collisions due to queuing traffic and driver frustration causing erratic behaviour.

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There are a number of measures that are used to minimise confusion and risk to drivers that can result from better management through a Permit Scheme 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. Accidents on the public highway in Great Britain, reported to the police and which involve personal injury or death are recorded by police officers onto a STATS 19 report form with information relating to that accident.

The DfT is responsible for collection of STATS 19 data and forms the basis for annual statistics and is updated quarterly for all local authorities. To measure the effectiveness of a Permit Scheme on road traffic collisions data can be analysed for the Permitted authority before and after the Scheme start and compare trends with non-Permitted authorities.

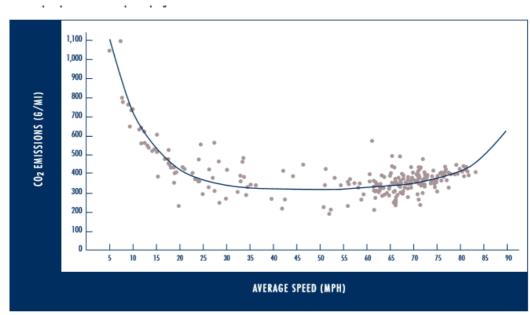
#### 3.7 CARBON EMISSIONS

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 include driver behaviour, vehicle, 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<sub>2</sub> EMISSIONS



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

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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.v2Where:

- 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                                     | а        | b         | С         | d           |  |  |  |  |  |  |
| Petrol<br>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 c | onsumptio | n paramet | er values   |  |  |  |  |  |  |
|  | (kWh per | km, 2011) |           |             |  |  |  |  |  |  |
| Electric Car   |          | 0.12564   |           |             |  |  |  |  |  |  |
| Electric LGV   |          |           |           |             |  |  |  |  |  |  |
| Electric OGV1  |          |           |           |             |  |  |  |  |  |  |
| Electric OGV2  |          |           |           |             |  |  |  |  |  |  |
| Electric PSV   |          |           |           |             |  |  |  |  |  |  |

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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 fee. 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 initial start-up costs, additional staff administering and coordinating Permit Applications which includes Street Work Officers, Street Work Coordinators and Manager(s).

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-<br>2 or Traffic-<br>sensitive | Road Category 3-<br>4 and non traffic-<br>sensitive |
|---|--|---|
| Provisional Advance   | £105   | £75   |
| Major works – over 10 days <u>and all</u> 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 operational cost. The result will enable the authority to understand if they are applying the crorrect 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
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- 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 Brighton & Hove Scheme Document contains these KPIs;

#### KPI 1

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

This will be measured by Promoter and shown as:

- the total number of Permit and Permit variation applications received, excluding any applications that are subsequently withdrawn
- the number granted as a percentage of the total applications made
- the number refused as a percentage of the total applications made.

# KPI 2

## The number of conditions applied by condition type

This will be measured by Promoter and shown as:

- the number of Permits issued
- the number of conditions applied, broken down into condition types. The number of each type being shown as a percentage of the total Permits issued.

## KPI 3

## The number of approved extensions

This will be measured by promoter and shown as:

- the total number of permits issued
- the number of requests for extensions shown as a percentage of permits issued
- the number of agreed extensions as a percentage of extensions applied for.

# KPI 7

## Number of inspections carried out to monitor conditions

This will be 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
- the percentage of sample inspections by promoter should also be shown.

#### 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 12% of Permits were refused.

There is no data for deemed Permits although the number is thought to be very low.

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 24% of Permit applications were refused from Highway Authority works and 11% from Utility works were refused.

There was a higher refusal rate for Highway Authority works.

The higher refusal rate for Highway Authority works could be due to a better understanding and closer liaison within Permitting authorities of highway authority promoters work, allowing potential issues for refusal to be identified and addressed in advance of a Permit application.

A greater number of immediate urgent work that is required to be carried out quickly to remove dangers on the highway for Highway Authority works is unlikely to be refused.

| 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 | Variations | Applications | Variations | Applications | Variations | Applications | Variations   | Applications | Variations   |
| rear r  | Received     | Received   | Granted      | Granted    | Refused      | Refused    | Deemed       | Deemed       | Superseded   | Superseded   |
| Total   | 9,169        | 2,648      | 8,100        | 2,147      | 1,069        | 501        | 0            | No Data      | No Data      | No Data      |
| Percentage  |              |            | 88%          | 81%        | 12%          | 19%        |              |              |              |              |
| Year 2  | Applications | Variations | Applications | Variations | Applications | Variations | Applications | Applications | Applications | Applications |
| rear z  | Received     | Received   | Granted      | Granted    | Refused      | Refused    | Deemed       | Superseded   | Deemed       | Superseded   |
| Total   | 13,896       | 2,936      | 12,110       | 2,352      | 1,420        | 438        | 1            | No Data      | No Data      | No Data      |
| Percentage  |              |            | 87%          | 80%        | 10%          | 15%        |              |              |              |              |

| Table 4 KPI 1 Permit Applications by | Promoter                  |                            |                            |
|--------------------------------------|---------------------------|----------------------------|----------------------------|
| Year 1                               |                           |                            |                            |
| <u>Promoters</u>                     | Total Permit Applications | Total Applications Granted | Total Applications Refused |
| Highway Authority                    | 427                       | 326                        | 101                        |
|                                      |                           | 76%                        | 24%                        |
| Utility                              | 8,742                     | 7,774                      | 968                        |
|                                      |                           | 89%                        | 11%                        |
| Year 2                               |                           |                            |                            |
| <u>Promoters</u>                     | Total Permit Applications | Total Applications Granted | Total Applications Refused |
| Highway Authority                    | 1,580                     | 1,460                      | 79                         |
|                                      |                           | 92%                        | 5%                         |
| Utility                              | 12,316                    | 10,650                     | 1,341                      |
|                                      |                           | 86%                        | 11%                        |

| Tabl | Table 5(a) KPI 1 The number of permit and permit variation applications received, granted, refused, deemed and superseded by Promoter |            |              |            |              |            |              |              |              |              |  |  |
|------|---|------------|--------------|------------|--------------|------------|--------------|--------------|--------------|--------------|--|--|
| Pro  | Promoter  |            |              |            |              |            |              |              |              |              |  |  |
|      | Year 1  |            |              |            |              |            |              |              |              |              |  |  |
|      | Applications  | Variations | Applications | Variations | Applications | Variations | Applications | Variations   | Applications | Variations   |  |  |
|      | Received  | Received   | Granted      | Granted    | Refused      | Refused    | Deemed       | Deemed       | Superseded   | Superseded   |  |  |
|      | 655   | 236        | 547          | 182        | 108          | 54         | No Data      | No Data      | No Data      | No Data      |  |  |
| вт   | 7%  | 9%         | 84%          | 77%        | 16%          | 23%        |              |              |              |              |  |  |
| l bi | Year 2  |            |              |            |              |            |              |              |              |              |  |  |
|      | Applications  | Variations | Applications | Variations | Applications | Variations | Applications | Applications | Applications | Applications |  |  |
|      | Received  | Received   | Granted      | Granted    | Refused      | Refused    | Deemed       | Deemed       | Superseded   | Superseded   |  |  |
|      | 995   | 404        | 645          | 287        | 300          | 102        | No Data      | No Data      | No Data      | No Data      |  |  |
|      | 7%  | 14%        | 65%          | 71%        | 30%          | 25%        |              |              |              |              |  |  |

| Table 5(b) KPI 1 The number of permit and permit variation applications received, granted, refused, deemed and superseded by Promoter |              |            |              |            |              |            |              |              |              |              |  |  |  |
|---|--------------|------------|--------------|------------|--------------|------------|--------------|--------------|--------------|--------------|--|--|--|
| Promoter  |              |            |              |            |              |            |              |              |              |              |  |  |  |
|   | Year 1       | Year 1     |              |            |              |            |              |              |              |              |  |  |  |
|   | Applications | Variations | Applications | Variations | Applications | Variations | Applications | Variations   | Applications | Variations   |  |  |  |
|   | Received     | Received   | Granted      | Granted    | Refused      | Refused    | Deemed       | Deemed       | Superseded   | Superseded   |  |  |  |
|   | 427          | 356        | 326          | 306        | 101          | 50         | No Data      | No Data      | No Data      | No Data      |  |  |  |
| внсс  | 5%           | 13%        | 76%          | 86%        | 24%          | 14%        |              |              |              |              |  |  |  |
| ысс   | Year 2       |            |              |            |              |            |              |              |              |              |  |  |  |
|   | Applications | Variations | Applications | Variations | Applications | Variations | Applications | Applications | Applications | Applications |  |  |  |
|   | Received     | Received   | Granted      | Granted    | Refused      | Refused    | Deemed       | Deemed       | Superseded   | Superseded   |  |  |  |
|   | 1580         | 304        | 1460         | 256        | 79           | 28         | No Data      | No Data      | No Data      | No Data      |  |  |  |
|   | 11%          | 10%        | 92%          | 84%        | 5%           | 9%         |              |              | _            | _            |  |  |  |

| Table 5 | (c) KPI 1 The nu | mber of permit a | and permit variatio | n applications re | ceived, granted, r | efused, deeme | d and supersede | d by Promoter |              |              |
|---------|------------------|------------------|---------------------|-------------------|--------------------|---------------|-----------------|---------------|--------------|--------------|
| Promo   | ter              |                  |                     |                   |                    |               |                 |               |              |              |
|         | Year 1           |                  |                     |                   |                    |               |                 |               |              |              |
|         | Applications     | Variations       | Applications        | Variations        | Applications       | Variations    | Applications    | Variations    | Applications | Variations   |
|         | Received         | Received         | Granted             | Granted           | Refused            | Refused       | Deemed          | Deemed        | Superseded   | Superseded   |
|         | 564              | 458              | 435                 | 375               | 129                | 83            | No Data         | No Data       | No Data      | No Data      |
| UKP     | 6%               | 17%              | 77%                 | 82%               | 23%                | 18%           |                 |               |              |              |
| N       | Year 2           |                  |                     |                   |                    |               |                 |               |              |              |
|         | Applications     | Variations       | Applications        | Variations        | Applications       | Variations    | Applications    | Applications  | Applications | Applications |
|         | Received         | Received         | Granted             | Granted           | Refused            | Refused       | Deemed          | Deemed        | Superseded   | Superseded   |
|         | 594              |                  |                     |                   |                    | 45            | No Data         | No Data       | No Data      | No Data      |
|         | 4%               | 16%              | 77%                 | 87%               | 19%                | 9%            |                 |               |              |              |

| Table 5(d) K | (PI 1 The number | of permit and | permit variation a | applications rece | ived, granted, ref | used, deemed | and superseded | by Promoter  |              |              |
|--------------|------------------|---------------|--------------------|-------------------|--------------------|--------------|----------------|--------------|--------------|--------------|
| Promoter     |                  |               |                    |                   |                    |              |                |              |              |              |
|              | Year 1           |               |                    |                   |                    |              |                |              |              |              |
|              | Applications     | Variations    | Applications       | Variations        | Applications       | Variations   | Applications   | Variations   | Applications | Variations   |
|              | Received         | Received      | Granted            | Granted           | Refused            | Refused      | Deemed         | Deemed       | Superseded   | Superseded   |
|              | 20               | 38            | 5                  | 15                | 15                 | 23           | No Data        | No Data      | No Data      | No Data      |
| Vodafone     | 0%               | 1%            | 25%                | 39%               | 75%                | 61%          |                |              |              |              |
| vouaione     | Year 2           |               |                    |                   |                    |              |                |              |              |              |
|              | Applications     | Variations    | Applications       | Variations        | Applications       | Variations   | Applications   | Applications | Applications | Applications |
|              | Received         | Received      | Granted            | Granted           | Refused            | Refused      | Deemed         | Deemed       | Superseded   | Superseded   |
|              | 15               |               |                    |                   |                    |              | No Data        | No Data      | No Data      | No Data      |
|              | 0%               | 1%            | 27%                | 69%               | 73%                | 25%          |                |              |              |              |

| Table ! | 5(e) KPI 1 The nu | umber of permit | and permit variation | on applications re | eceived, granted, r | efused, deeme | ed and supersede | ed by Promoter |              |              |  |  |  |  |
|---------|-------------------|-----------------|----------------------|--------------------|---------------------|---------------|------------------|----------------|--------------|--------------|--|--|--|--|
| Promo   | oter              |                 |                      |                    |                     |               |                  |                |              |              |  |  |  |  |
|         | Year 1            |                 |                      |                    |                     |               |                  |                |              |              |  |  |  |  |
|         | Applications      | Variations      | Applications         | Variations         | Applications        | Variations    | Applications     | Variations     | Applications | Variations   |  |  |  |  |
|         | Received          | Received        | Granted              | Granted            | Refused             | Refused       | Deemed           | Deemed         | Superseded   | Superseded   |  |  |  |  |
|         | 18                | 12              | 13                   | 9                  | 5                   | 3             | No Data          | No Data        | No Data      | No Data      |  |  |  |  |
| NWR     | 0%                | 0%              | 72%                  | 75%                | 28%                 | 25%           |                  |                |              |              |  |  |  |  |
| INVVIX  | Year 2            |                 |                      |                    |                     |               |                  |                |              |              |  |  |  |  |
|         | Applications      | Variations      | Applications         | Variations         | Applications        | Variations    | Applications     | Applications   | Applications | Applications |  |  |  |  |
|         | Received          | Received        | Granted              | Granted            | Refused             | Refused       | Deemed           | Deemed         | Superseded   | Superseded   |  |  |  |  |
|         | 24                |                 |                      |                    |                     | 1             | No Data          | No Data        | No Data      | No Data      |  |  |  |  |
|         | 0%                | 0%              | 88%                  | 75%                | 13%                 | 13%           |                  |                |              |              |  |  |  |  |

| Table 5(f) KPI | 1 The number of | permit and pe | ermit variation ap | plications rece | ived, granted, re | fused, deemed | d and supersede | d by Promoter |              |              |
|----------------|-----------------|---------------|--------------------|-----------------|-------------------|---------------|-----------------|---------------|--------------|--------------|
| Promoter       |                 |               |                    |                 |                   |               |                 |               |              |              |
|                | Year 1          |               |                    |                 |                   |               |                 |               |              |              |
|                | Applications    | Variations    | Applications       | Variations      | Applications      | Variations    | Applications    | Variations    | Applications | Variations   |
|                | Received        | Received      | Granted            | Granted         | Refused           | Refused       | Deemed          | Deemed        | Superseded   | Superseded   |
|                | 830             | 308           | 631                | 245             | 199               | 63            | No Data         | No Data       | No Data      | No Data      |
| Virgin Media   | 9%              | 12%           | 76%                | 80%             | 24%               | 20%           |                 |               |              |              |
| virgin Media   | Year 2          |               |                    |                 |                   |               |                 |               |              |              |
|                | Applications    | Variations    | Applications       | Variations      | Applications      | Variations    | Applications    | Applications  | Applications | Applications |
|                | Received        | Received      | Granted            | Granted         | Refused           | Refused       | Deemed          | Deemed        | Superseded   | Superseded   |
|                | 1,856           | 528           | 1,412              | 414             | 395               | 93            | No Data         | No Data       | No Data      | No Data      |
|                | 13%             | 18%           | 76%                | 78%             | 21%               | 18%           |                 |               |              |              |

| Tabl | e 5(g) KPI 1 The | number of permi | t and permit varia | tion applications | received, granted | , refused, deer | ned and superse | ded by Promoter |              |              |  |  |  |  |
|------|------------------|-----------------|--------------------|-------------------|-------------------|-----------------|-----------------|-----------------|--------------|--------------|--|--|--|--|
| Pro  | moter            |                 |                    |                   |                   |                 |                 |                 |              |              |  |  |  |  |
|      | Year 1           |                 |                    |                   |                   |                 |                 |                 |              |              |  |  |  |  |
|      | Applications     | Variations      | Applications       | Variations        | Applications      | Variations      | Applications    | Variations      | Applications | Variations   |  |  |  |  |
|      | Received         | Received        | Granted            | Granted           | Refused           | Refused         | Deemed          | Deemed          | Superseded   | Superseded   |  |  |  |  |
|      | 11               | 12              | 6                  | 10                | 5                 | 2               | No Data         | No Data         | No Data      | No Data      |  |  |  |  |
| 02   | 0%               | 0%              | 55%                | 83%               | 45%               | 17%             |                 |                 |              |              |  |  |  |  |
| 102  | Year 2           |                 |                    |                   |                   |                 |                 |                 |              |              |  |  |  |  |
|      | Applications     | Variations      | Applications       | Variations        | Applications      | Variations      | Applications    | Applications    | Applications | Applications |  |  |  |  |
|      | Received         | Received        | Granted            | Granted           | Refused           | Refused         | Deemed          | Deemed          | Superseded   | Superseded   |  |  |  |  |
|      | 18               | 14              | 11                 | 9                 | 6                 | 4               | No Data         | No Data         | No Data      | No Data      |  |  |  |  |
|      | 0%               | 0%              | 61%                | 64%               | 33%               | 29%             |                 |                 |              |              |  |  |  |  |

| Table 5(  | h) KPI 1 The num | ber of permit and | I permit variation a | pplications recei | ved, granted, refu | sed, deemed a | nd superseded by | Promoter     |              |              |
|-----------|------------------|-------------------|----------------------|-------------------|--------------------|---------------|------------------|--------------|--------------|--------------|
| Promot    | er               |                   |                      |                   |                    |               |                  |              |              |              |
|           | Year 1           |                   |                      |                   |                    |               |                  |              |              |              |
|           | Applications     | Variations        | Applications         | Variations        | Applications       | Variations    | Applications     | Variations   | Applications | Variations   |
|           | Received         | Received          | Granted              | Granted           | Refused            | Refused       | Deemed           | Deemed       | Superseded   | Superseded   |
|           | 2                | 3                 | 0                    | 2                 | 2                  | 1             | No Data          | No Data      | No Data      | No Data      |
| Rome<br>c | 0%               | 0%                | 0%                   | 67%               | 100%               | 33%           |                  |              |              |              |
|           | Year 2           |                   |                      |                   |                    |               |                  |              |              |              |
|           | Applications     | Variations        | Applications         | Variations        | Applications       | Variations    | Applications     | Applications | Applications | Applications |
|           | Received         | Received          | Granted              | Granted           | Refused            | Refused       | Deemed           | Deemed       | Superseded   | Superseded   |
|           | 3                |                   |                      |                   | -                  | -             | No Data          | No Data      | No Data      | No Data      |
|           | 0%               | 0%                | 100%                 | 100%              | 0%                 | 0%            |                  |              |              |              |

| Table | 5(i) KPI 1 The nu | mber of permit a | nd permit variation | applications rece | eived, granted, refu | sed, deemed ar | nd superseded by | Promoter     |              |              |  |  |  |  |
|-------|-------------------|------------------|---------------------|-------------------|----------------------|----------------|------------------|--------------|--------------|--------------|--|--|--|--|
| Prom  | oter              |                  |                     |                   |                      |                |                  |              |              |              |  |  |  |  |
|       | Year 1            |                  |                     |                   |                      |                |                  |              |              |              |  |  |  |  |
|       | Applications      | Variations       | Applications        | Variations        | Applications         | Variations     | Applications     | Variations   | Applications | Variations   |  |  |  |  |
|       | Received          | Received         | Granted             | Granted           | Refused              | Refused        | Deemed           | Deemed       | Superseded   | Superseded   |  |  |  |  |
|       | 4                 | 5                | 1                   | 3                 | 3                    | 2              | No Data          | No Data      | No Data      | No Data      |  |  |  |  |
| стс   | 0%                | 0%               | 25%                 | 60%               | 75%                  | 40%            |                  |              |              |              |  |  |  |  |
| Gic   | Year 2            |                  |                     |                   |                      |                |                  |              |              |              |  |  |  |  |
|       | Applications      | Variations       | Applications        | Variations        | Applications         | Variations     | Applications     | Applications | Applications | Applications |  |  |  |  |
|       | Received          | Received         | Granted             | Granted           | Refused              | Refused        | Deemed           | Deemed       | Superseded   | Superseded   |  |  |  |  |
|       | 4                 | 6                | 3                   | 3                 | 1                    | 2              | No Data          | No Data      | No Data      | No Data      |  |  |  |  |
|       | 0%                | 0%               | 75%                 | 50%               | 25%                  | 33%            | ·                |              |              |              |  |  |  |  |

| Table 5(j) | KPI 1 The number | of permit and | permit variation a | pplications receiv | ved, granted, refus | ed, deemed and | d superseded by I | Promoter     |              |              |
|------------|------------------|---------------|--------------------|--------------------|---------------------|----------------|-------------------|--------------|--------------|--------------|
| Promoter   | ſ                |               |                    |                    |                     |                |                   |              |              |              |
|            | Year 1           |               |                    |                    |                     |                |                   |              |              |              |
|            | Applications     | Variations    | Applications       | Variations         | Applications        | Variations     | Applications      | Variations   | Applications | Variations   |
|            | Received         | Received      | Granted            | Granted            | Refused             | Refused        | Deemed            | Deemed       | Superseded   | Superseded   |
|            | 2                | 3             | 0                  | 2                  | 2                   | 1              | No Data           | No Data      | No Data      | No Data      |
| Orongo     | 0%               | 0%            | 0%                 | 67%                | 100%                | 33%            |                   |              |              |              |
| Orange     | Year 2           |               |                    |                    |                     |                |                   |              |              |              |
|            | Applications     | Variations    | Applications       | Variations         | Applications        | Variations     | Applications      | Applications | Applications | Applications |
|            | Received         | Received      | Granted            | Granted            | Refused             | Refused        | Deemed            | Deemed       | Superseded   | Superseded   |
|            | 22               |               |                    |                    |                     | 3              | No Data           | No Data      | No Data      | No Data      |
|            | 0%               | 0%            | 73%                | 73%                | 23%                 | 27%            |                   |              |              | _            |

| Table 5(k) | KPI 1 The numbe          | r of permit and        | permit variation a      | oplications recei     | ived, granted, refu     | sed, deemed a         | nd superseded by       | Promoter               |                            |                            |
|------------|--------------------------|------------------------|-------------------------|-----------------------|-------------------------|-----------------------|------------------------|------------------------|----------------------------|----------------------------|
| Promoter   |                          |                        |                         |                       |                         |                       |                        |                        |                            |                            |
|            | Year 1                   |                        |                         |                       |                         |                       |                        |                        |                            |                            |
|            | Applications<br>Received | Variations<br>Received | Applications<br>Granted | Variations<br>Granted | Applications<br>Refused | Variations<br>Refused | Applications<br>Deemed | Variations<br>Deemed   | Applications<br>Superseded | Variations<br>Superseded   |
|            | 15                       | 6                      | 10                      | 5                     | 5                       | 1                     | No Data                | No Data                | No Data                    | No Data                    |
| Neoscor    | 0%                       | 0%                     | 67%                     | 83%                   | 33%                     | 17%                   |                        |                        |                            |                            |
| р          | Year 2                   |                        |                         |                       |                         |                       |                        |                        |                            |                            |
|            | Applications<br>Received | Variations<br>Received | Applications<br>Granted | Variations<br>Granted | Applications<br>Refused | Variations<br>Refused | Applications<br>Deemed | Applications<br>Deemed | Applications<br>Superseded | Applications<br>Superseded |
|            | -                        |                        | -                       |                       | -                       | -                     | No Data                | No Data                | No Data                    | No Data                    |
|            |                          |                        |                         |                       |                         |                       |                        |                        |                            |                            |

| Table 5 | (I) KPI 1 The num | nber of permit an | d permit variation a | applications rece | ived, granted, refus | sed, deemed an | d superseded by | Promoter     |              |              |
|---------|-------------------|-------------------|----------------------|-------------------|----------------------|----------------|-----------------|--------------|--------------|--------------|
| Promo   | ter               |                   |                      |                   |                      |                |                 |              |              |              |
|         | Year 1            |                   |                      |                   |                      |                |                 |              |              |              |
|         | Applications      | Variations        | Applications         | Variations        | Applications         | Variations     | Applications    | Variations   | Applications | Variations   |
|         | Received          | Received          | Granted              | Granted           | Refused              | Refused        | Deemed          | Deemed       | Superseded   | Superseded   |
|         | 36                | 39                | 15                   | 24                | 21                   | 15             | No Data         | No Data      | No Data      | No Data      |
| T       | 0%                | 1%                | 42%                  | 62%               | 58%                  | 38%            |                 |              |              |              |
| Mob     | Year 2            |                   |                      |                   |                      |                |                 |              |              |              |
|         | Applications      | Variations        | Applications         | Variations        | Applications         | Variations     | Applications    | Applications | Applications | Applications |
|         | Received          | Received          | Granted              | Granted           | Refused              | Refused        | Deemed          | Deemed       | Superseded   | Superseded   |
|         | 98                |                   |                      |                   |                      | 3              | No Data         | No Data      | No Data      | No Data      |
|         | 1%                | 1%                | 71%                  | 81%               | 21%                  | 8%             |                 |              |              |              |

| Table | 5(m) KPI 1 The r | number of permit | and permit variation | n applications re | ceived, granted, re | fused, deemed | and superseded b | y Promoter   |              |              |
|-------|------------------|------------------|----------------------|-------------------|---------------------|---------------|------------------|--------------|--------------|--------------|
| Prom  | oter             |                  |                      |                   |                     |               |                  |              |              |              |
|       | Year 1           |                  |                      |                   |                     |               |                  |              |              |              |
|       | Applications     | Variations       | Applications         | Variations        | Applications        | Variations    | Applications     | Variations   | Applications | Variations   |
|       | Received         | Received         | Granted              | Granted           | Refused             | Refused       | Deemed           | Deemed       | Superseded   | Superseded   |
|       | 854              | 652              | 721                  | 521               | 133                 | 131           | No Data          | No Data      | No Data      | No Data      |
| SGN   | 9%               | 25%              | 84%                  | 80%               | 16%                 | 20%           |                  |              |              |              |
| SGN   | Year 2           |                  |                      |                   |                     |               |                  |              |              |              |
|       | Applications     | Variations       | Applications         | Variations        | Applications        | Variations    | Applications     | Applications | Applications | Applications |
|       | Received         | Received         | Granted              | Granted           | Refused             | Refused       | Deemed           | Deemed       | Superseded   | Superseded   |
|       | 1,061            |                  |                      |                   |                     | 96            | No Data          | No Data      | No Data      | No Data      |
|       | 8%               | 22%              | 84%                  | 79%               | 11%                 | 15%           |                  |              |              |              |

| Table 5(ı | n) KPI 1 The numb | per of permit and | permit variation a | pplications recei | ved, granted, refus | ed, deemed an | d superseded by | Promoter     |              |              |
|-----------|-------------------|-------------------|--------------------|-------------------|---------------------|---------------|-----------------|--------------|--------------|--------------|
| Promote   |                   |                   |                    |                   |                     |               |                 |              |              |              |
|           | Year 1            |                   |                    |                   |                     |               |                 |              |              |              |
|           | Applications      | Variations        | Applications       | Variations        | Applications        | Variations    | Applications    | Variations   | Applications | Variations   |
|           | Received          | Received          | Granted            | Granted           | Refused             | Refused       | Deemed          | Deemed       | Superseded   | Superseded   |
|           | 5                 | 5                 | 2                  | 3                 | 3                   | 2             | No Data         | No Data      | No Data      | No Data      |
| Fulcru    | 0%                | 0%                | 40%                | 60%               | 60%                 | 40%           |                 |              |              |              |
| m         | Year 2            |                   |                    |                   |                     |               |                 |              |              |              |
|           | Applications      | Variations        | Applications       | Variations        | Applications        | Variations    | Applications    | Applications | Applications | Applications |
|           | Received          | Received          | Granted            | Granted           | Refused             | Refused       | Deemed          | Deemed       | Superseded   | Superseded   |
|           | 8                 |                   |                    |                   |                     | -             | No Data         | No Data      | No Data      | No Data      |
|           | 0%                | 0%                | 75%                | 100%              | 25%                 | 0%            |                 |              |              |              |

| Table | 5(o) KPI 1 The n         | umber of permit a      | and permit variation | n applications red    | eived, granted, ref  | used, deemed a        | and superseded by      | / Promoter             |                            |                         |
|-------|--------------------------|------------------------|----------------------|-----------------------|----------------------|-----------------------|------------------------|------------------------|----------------------------|-------------------------|
| Prom  | oter                     |                        |                      |                       |                      |                       |                        |                        |                            |                         |
|       | Year 1                   |                        |                      |                       |                      |                       |                        |                        |                            |                         |
|       | Applications<br>Received | Variations<br>Received | Applications Granted | Variations<br>Granted | Applications Refused | Variations<br>Refused | Applications Deemed    | Variations<br>Deemed   | Applications<br>Superseded | Variations Superseded   |
|       | 5,726                    | 515                    | 5,388                | 445                   | 338                  | 70                    | No Data                | No Data                | No Data                    | No Data                 |
| CMC   | 62%                      | 19%                    | 94%                  | 86%                   | 6%                   | 14%                   |                        |                        |                            |                         |
| SWS   | Year 2                   |                        |                      |                       |                      |                       |                        |                        |                            |                         |
|       | Applications<br>Received | Variations<br>Received | Applications Granted | Variations<br>Granted | Applications Refused | Variations<br>Refused | Applications<br>Deemed | Applications<br>Deemed | Applications Superseded    | Applications Superseded |
|       | 7,605                    | Received               | Granteu              | Granted               | Refuseu              | 56                    | No Data                | No Data                | No Data                    | No Data                 |
|       | 55%                      | 16%                    | 93%                  | 84%                   | 5%                   | 12%                   |                        |                        |                            |                         |

| Table 5(p | ) KPI 1 The numb | er of permit and | d permit variation a | pplications rece | ived, granted, refu | ısed, deemed a | nd superseded by | Promoter     |              |              |
|-----------|------------------|------------------|----------------------|------------------|---------------------|----------------|------------------|--------------|--------------|--------------|
| Promote   | r                |                  |                      |                  |                     |                |                  |              |              |              |
|           | Year 1           |                  |                      |                  |                     |                |                  |              |              |              |
|           | Applications     | Variations       | Applications         | Variations       | Applications        | Variations     | Applications     | Variations   | Applications | Variations   |
|           | Received         | Received         | Granted              | Granted          | Refused             | Refused        | Deemed           | Deemed       | Superseded   | Superseded   |
|           | -                | -                | -                    | 1                | -                   | -              | No Data          | No Data      | No Data      | No Data      |
| Verizon   |                  |                  |                      |                  |                     |                |                  |              |              |              |
| Verizon   | Year 2           |                  |                      |                  |                     |                |                  |              |              |              |
|           | Applications     | Variations       | Applications         | Variations       | Applications        | Variations     | Applications     | Applications | Applications | Applications |
|           | Received         | Received         | Granted              | Granted          | Refused             | Refused        | Deemed           | Deemed       | Superseded   | Superseded   |
|           | 3                | -                | 3                    | -                | -                   | -              | No Data          | No Data      | No Data      | No Data      |
|           | 0%               | 0%               | 100%                 |                  | 0%                  | -              |                  |              |              |              |

| Table 5(q) KPI | 1 The number of p | permit and perm | nit variation applic | cations received | d, granted, refuse | d, deemed and | l superseded by F | Promoter     |              |              |
|----------------|-------------------|-----------------|----------------------|------------------|--------------------|---------------|-------------------|--------------|--------------|--------------|
| Promoter       |                   |                 |                      |                  |                    |               |                   |              |              |              |
|                | Year 1            |                 |                      |                  |                    |               |                   |              |              |              |
|                | Applications      | Variations      | Applications         | Variations       | Applications       | Variations    | Applications      | Variations   | Applications | Variations   |
|                | Received          | Received        | Granted              | Granted          | Refused            | Refused       | Deemed            | Deemed       | Superseded   | Superseded   |
|                | -                 | -               | -                    | -                | -                  | -             | No Data           | No Data      | No Data      | No Data      |
| ES Pipelines   | Year 2            | •               |                      |                  |                    |               |                   |              |              |              |
|                | Applications      | Variations      | Applications         | Variations       | Applications       | Variations    | Applications      | Applications | Applications | Applications |
|                | Received          | Received        | Granted              | Granted          | Refused            | Refused       | Deemed            | Deemed       | Superseded   | Superseded   |
|                | 2                 | 2               | -                    | 1                | 1                  | 1             | No Data           | No Data      | No Data      | No Data      |
|                | 0%                | 0%              | 0%                   | 50%              | 50%                | 50%           |                   |              |              |              |

| Table | 5(r) KPI 1 The nu | umber of permit a | nd permit variation | applications rec | eived, granted, refu | ised, deemed ai | nd superseded by | Promoter     |              |              |
|-------|-------------------|-------------------|---------------------|------------------|----------------------|-----------------|------------------|--------------|--------------|--------------|
| Prom  | oter              |                   |                     |                  |                      |                 |                  |              |              |              |
|       | Year 1            |                   |                     |                  |                      |                 |                  |              |              |              |
|       | Applications      | Variations        | Applications        | Variations       | Applications         | Variations      | Applications     | Variations   | Applications | Variations   |
|       | Received          | Received          | Granted             | Granted          | Refused              | Refused         | Deemed           | Deemed       | Superseded   | Superseded   |
|       | -                 | -                 | ı                   | -                | -                    | -               | No Data          | No Data      | No Data      | No Data      |
| SSE   |                   |                   |                     |                  |                      |                 |                  |              |              |              |
| SSE   | Year 2            |                   |                     |                  |                      |                 |                  |              |              |              |
|       | Applications      | Variations        | Applications        | Variations       | Applications         | Variations      | Applications     | Applications | Applications | Applications |
|       | Received          | Received          | Granted             | Granted          | Refused              | Refused         | Deemed           | Deemed       | Superseded   | Superseded   |
|       | 8                 | 5                 | 6                   | 3                | 2                    | -               | No Data          | No Data      | No Data      | No Data      |
|       | 0%                | 0%                | 75%                 | 60%              | 25%                  | 0%              |                  |              |              |              |

| Table 5 | (n) KPI 1 The nu   | mber of permit a       | nd permit variation  | applications rece     | eived, granted, refu    | ised, deemed a        | nd superseded by    | Promoter            |                         |                            |  |  |  |  |  |
|---------|--|------------------------|----------------------|-----------------------|-------------------------|-----------------------|---------------------|---------------------|-------------------------|----------------------------|--|--|--|--|--|
| Promo   | oter   |                        |                      |                       |                         |                       |                     |                     |                         |                            |  |  |  |  |  |
|         | Year 1   |                        |                      |                       |                         |                       |                     |                     |                         |                            |  |  |  |  |  |
|         | Applications Received Received Granted Granted Refused Refused Deemed Deemed Superseded Superseded Superseded Superseded No. 2 648 2 9 400 2 147 1 060 5 150 1 No. Deta No. Deta |                        |                      |                       |                         |                       |                     |                     |                         |                            |  |  |  |  |  |
|         | 9.169  | 2.648                  | 8,100                | 2,147                 | 1,069                   | 501                   | No Data             | No Data             | No Data                 | No Data                    |  |  |  |  |  |
| Total   | Year 2   | 2,040                  | 0,100                | 2,147                 | 1,000                   | 001                   | 140 Bata            | No Bata             | No Bata                 | No Data                    |  |  |  |  |  |
|         | Applications<br>Received   | Variations<br>Received | Applications Granted | Variations<br>Granted | Applications<br>Refused | Variations<br>Refused | Applications Deemed | Applications Deemed | Applications Superseded | Applications<br>Superseded |  |  |  |  |  |
|         | 13,896   |                        |                      |                       |                         | 438                   | No Data             | No Data             | No Data                 | No Data                    |  |  |  |  |  |

Table 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 A<br>Granted | pp | Permit A<br>Refused | pp | Variation<br>Granted |   | Variation<br>Refused | ı | Deemed Permit Application | ons | Supersed<br>Application |   | Deemed Permit Variations | 6 | Supersec<br>Variations |   | Cancelle<br>/Aborted | d |
|                     | No.                 | %  | No.                 | %  | No.                  | % | No.                  | % | No.                       | %   | No.                     | % | No.                      | % | No.                    | % | No.                  | % |
| Provisional Advance | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Major               | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Standard            | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Minor               | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Immediate           | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Permit Variation    | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Total               |                     |    |                     |    |                      |   |                      |   |                           |     |                         |   |                          |   |                        |   |                      |   |

Table 6(b) 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 2                 |                     |    |                     |    |                      |   |                      |   |                           |     |                         |   |                          |   |                      |   |                       |   |
|------------------------|---------------------|----|---------------------|----|----------------------|---|----------------------|---|---------------------------|-----|-------------------------|---|--------------------------|---|----------------------|---|-----------------------|---|
| Activity Type          | Permit A<br>Granted | pp | Permit A<br>Refused | pp | Variation<br>Granted | l | Variation<br>Refused | l | Deemed Permit Application | ons | Supersed<br>Application |   | Deemed Permit Variations | 8 | Supersect Variations |   | Cancelled<br>/Aborted | d |
|                        | No.                 | %  | No.                 | %  | No.                  | % | No.                  | % | No.                       | %   | No.                     | % | No.                      | % | No.                  | % | No.                   | % |
| Provisional<br>Advance | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data              |   | No Data               |   |
| Major                  | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data              |   | No Data               |   |
| Standard               | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data              |   | No Data               |   |
| Minor                  | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data              |   | No Data               |   |
| Immediate              | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data              |   | No Data               |   |
| Permit Variation       | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data              |   | No Data               |   |
| Total                  |                     |    |                     |    |                      |   |                      |   |                           |     |                         |   |                          |   |                      |   |                       |   |

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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 A<br>Granted | pp | Permit A<br>Refused | pp | Variation<br>Granted | l | Variation<br>Refused | l | Deemed<br>Permit<br>Application | ons | Supersed<br>Application |   | Deemed Permit Variations | 8 | Supersec<br>Variations |   | Cancelle<br>/Aborted |   |
|                     | No.                 | %  | No.                 | %  | No.                  | % | No.                  | % | No.                             | %   | No.                     | % | No.                      | % | No.                    | % | No.                  | % |
| Provisional Advance | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Major               | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Standard            | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Minor               | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Immediate           | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Permit Variation    | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Total               |                     |    |                     |    |                      |   |                      |   |                                 |     |                         |   |                          |   |                        |   |                      |   |

| Table 7(b) KPI 1 The nul | mocr or permi         | t and point var       | iadon granteu,       | Tidiliber Teruse     | u, uccinicu supe                 | iscaca and cane         | chica for Gateg                | ory o-4 Hon man          | iio ociisitive        |
|--------------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------------------|-------------------------|--------------------------------|--------------------------|-----------------------|
| Activity Type            | Permit App<br>Granted | Permit App<br>Refused | Variation<br>Granted | Variation<br>Refused | Deemed<br>Permit<br>Applications | Superseded Applications | Deemed<br>Permit<br>Variations | Superseded<br>Variations | Cancelled<br>/Aborted |
|                          | No.                   | No.                   | No.                  | No.                  | No.                              | No.                     | No.                            | No.                      | No.                   |
| Provisional Advance      | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                 | No Data                        | No Data                  | No Data               |
| Major                    | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                 | No Data                        | No Data                  | No Data               |
| Standard                 | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                 | No Data                        | No Data                  | No Data               |
| Minor                    | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                 | No Data                        | No Data                  | No Data               |
| Immediate                | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                 | No Data                        | No Data                  | No Data               |
| Permit Variation         | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                 | No Data                        | No Data                  | No Data               |
| Total                    |                       |                       |                      |                      |                                  |                         |                                |                          |                       |

| Year 1                 |                     |    |          |    |                      |   |                      |   |                                 |     |                         |   |                                |   |                        |   |                      |    |
|------------------------|---------------------|----|----------|----|----------------------|---|----------------------|---|---------------------------------|-----|-------------------------|---|--------------------------------|---|------------------------|---|----------------------|----|
| Activity Type          | Permit A<br>Granted | рр | Permit A | рр | Variation<br>Granted |   | Variation<br>Refused |   | Deemed<br>Permit<br>Application | ons | Supersec<br>Application |   | Deemed<br>Permit<br>Variations | 5 | Supersec<br>Variations |   | Cancelle<br>/Aborted |    |
|                        | No.                 | %  | No.      | %  | No.                  | % | No.                  | % | No.                             | %   | No.                     | % | No.                            | % | No.                    | % | No.                  | 9/ |
| Provisional<br>Advance | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              |    |
| Major                  | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              | Ī  |
| Standard               | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              | Ī  |
| Minor                  | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              |    |
| Immediate              | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              | Ī  |
| Permit Variation       | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              | Ī  |
| Total                  |                     |    |          |    |                      |   |                      |   |                                 |     |                         |   |                                |   |                        |   |                      |    |

| Table 8(b) KPI 1 Th | ne number of pe       | ermit and permi       | t variation grar     | nted, number refu    | sed, deemed sup                  | erseded and car            | ncelled for Utility            | Works by Activ           | ity type              |
|---------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------------------|----------------------------|--------------------------------|--------------------------|-----------------------|
| Year 2              |                       |                       |                      |                      |                                  |                            |                                |                          |                       |
| Activity Type       | Permit App<br>Granted | Permit App<br>Refused | Variation<br>Granted | Variation<br>Refused | Deemed<br>Permit<br>Applications | Superseded<br>Applications | Deemed<br>Permit<br>Variations | Superseded<br>Variations | Cancelled<br>/Aborted |
|                     | No.                   | No.                   | No.                  | No.                  | No.                              | No.                        | No.                            | No. %                    | No. %                 |
| Provisional Advance | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                    | No Data                        | No Data                  | No Data               |
| Major               | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                    | No Data                        | No Data                  | No Data               |
| Standard            | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                    | No Data                        | No Data                  | No Data               |
| Minor               | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                    | No Data                        | No Data                  | No Data               |
| Immediate           | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                    | No Data                        | No Data                  | No Data               |
| Permit Variation    | No Data               | No Data               | No Data              | No Data              | No Data                          | No Data                    | No Data                        | No Data                  | No Data               |
| Total               |                       |                       |                      |                      |                                  |                            |                                |                          |                       |

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 A<br>Granted | рр | Permit A | pp | Variation<br>Granted | l | Variation<br>Refused | ı | Deemed Permit Application | ons | Supersec<br>Application |   | Deemed Permit Variations | S | Supersec<br>Variations |   | Cancelled<br>/Aborted | d |
|                        | No.                 | %  | No.      | %  | No.                  | % | No.                  | % | No.                       | %   | No.                     | % | No.                      | % | No.                    | % | No.                   | % |
| Provisional<br>Advance | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Major                  | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Standard               | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Minor                  | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Immediate              | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Permit Variation       | No Data             |    | No Data  |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Total                  |                     |    |          |    |                      |   |                      |   | ·                         |     |                         |   |                          |   |                        |   |                       |   |

| Table 9(b) KPI 1 Th<br>Streets for Highway |                       |   |                       | nit v | ariation gra         | ntec | d, number re         | efus | ed, deemed                       | l sup | erseded an              | id ca | incelled for                   | Cate | egory 0-2 a              | nd Tra | affic Sensiti         | ive |
|--|-----------------------|---|-----------------------|-------|----------------------|------|----------------------|------|----------------------------------|-------|-------------------------|-------|--------------------------------|------|--------------------------|--------|-----------------------|-----|
| Year 2                                     |                       |   |                       |       |                      |      |                      |      |                                  |       |                         |       |                                |      |                          |        |                       |     |
| Activity Type                              | Permit App<br>Granted |   | Permit App<br>Refused |       | Variation<br>Granted |      | Variation<br>Refused |      | Deemed<br>Permit<br>Applications |       | Superseded Applications |       | Deemed<br>Permit<br>Variations |      | Superseded<br>Variations |        | Cancelled<br>/Aborted | d   |
|  | No.                   | % | No.                   |       | No.                  |      | No.                  |      | No.                              |       | No.                     |       | No.                            |      | No.                      | %      | No.                   | %   |
| Provisional<br>Advance                     | No Data               |   | No Data               |       | No Data              |      | No Data              |      | No Data                          |       | No Data                 |       | No Data                        |      | No Data                  |        | No Data               |     |
| Major                                      | No Data               |   | No Data               |       | No Data              |      | No Data              |      | No Data                          |       | No Data                 |       | No Data                        |      | No Data                  |        | No Data               |     |
| Standard                                   | No Data               |   | No Data               |       | No Data              |      | No Data              |      | No Data                          |       | No Data                 |       | No Data                        |      | No Data                  |        | No Data               |     |
| Minor                                      | No Data               |   | No Data               |       | No Data              |      | No Data              |      | No Data                          |       | No Data                 |       | No Data                        |      | No Data                  |        | No Data               |     |
| Immediate                                  | No Data               |   | No Data               |       | No Data              |      | No Data              |      | No Data                          |       | No Data                 |       | No Data                        |      | No Data                  |        | No Data               |     |
| Permit Variation                           | No Data               |   | No Data               |       | No Data              |      | No Data              |      | No Data                          |       | No Data                 |       | No Data                        |      | No Data                  |        | No Data               |     |
| Total                                      |                       |   |                       |       |                      |      |                      |      |                                  |       |                         |       |                                |      |                          |        |                       |     |

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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<br>Granted |   | Permit App<br>Refused |   | Variation<br>Granted |   | Variation<br>Refused |   | Deemed<br>Permit<br>Applications |   | Superseded Applications |   | I Permit |   | Superseded<br>Variations |   | Cancelled<br>/Aborted |   |
|                     | No.                   | % | No.                   | % | No.                  | % | No.                  | % | No.                              | % | No.                     | % | No.      | % | No.                      | % | No.                   | % |
| Provisional Advance | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data  |   | No Data                  |   | No Data               |   |
| Major               | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data  |   | No Data                  |   | No Data               |   |
| Standard            | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data  |   | No Data                  |   | No Data               |   |
| Minor               | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data  |   | No Data                  |   | No Data               |   |
| Immediate           | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data  |   | No Data                  |   | No Data               |   |
| Permit Variation    | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data  |   | No Data                  |   | No Data               |   |
| Total               |                       |   |                       |   |                      |   |                      |   |                                  |   |                         |   |          |   |                          |   |                       |   |

Table 10(b) 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 2              |                       |   |                       |   |                      |   |                      |   |                            |   |                            |   |                                |   |                          |   |                       |   |
|---------------------|-----------------------|---|-----------------------|---|----------------------|---|----------------------|---|----------------------------|---|----------------------------|---|--------------------------------|---|--------------------------|---|-----------------------|---|
| Activity Type       | Permit App<br>Granted |   | Permit App<br>Refused |   | Variation<br>Granted |   | Variation<br>Refused |   | Deemed Permit Applications |   | Superseded<br>Applications |   | Deemed<br>Permit<br>Variations |   | Superseded<br>Variations |   | Cancelled<br>/Aborted |   |
|                     | No.                   | % | No.                   | % | No.                  | % | No.                  | % | No.                        | % | No.                        | % | No.                            | % | No.                      | % | No.                   | % |
| Provisional Advance | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                    |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Major               | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                    |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Standard            | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                    |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Minor               | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                    |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Immediate           | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                    |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Permit Variation    | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                    |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Total               |                       |   |                       |   |                      |   |                      |   |                            |   |                            |   |                                |   |                          |   |                       |   |

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| Year 1                 |                       |   |                       |   |                      |   |                      |   |                                  |   |                         |   |                                |   |                       |   |                       |   |
|------------------------|-----------------------|---|-----------------------|---|----------------------|---|----------------------|---|----------------------------------|---|-------------------------|---|--------------------------------|---|-----------------------|---|-----------------------|---|
| Activity Type          | Permit App<br>Granted |   | Permit App<br>Refused |   | Variation<br>Granted |   | Variation<br>Refused |   | Deemed<br>Permit<br>Applications |   | Superseded Applications |   | Deemed<br>Permit<br>Variations |   | Superseded Variations |   | Cancelled<br>/Aborted |   |
|                        | No.                   | % | No.                   | % | No.                  | % | No.                  | % | No.                              | % | No.                     | % | No.                            | % | No.                   | % | No.                   | % |
| Provisional<br>Advance | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data                        |   | No Data               |   | No Data               |   |
| Major                  | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data                        |   | No Data               |   | No Data               |   |
| Standard               | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data                        |   | No Data               |   | No Data               |   |
| Minor                  | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data                        |   | No Data               |   | No Data               |   |
| Immediate              | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data                        |   | No Data               |   | No Data               |   |
| Permit Variation       | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                 |   | No Data                        |   | No Data               |   | No Data               |   |
| Total                  |                       |   |                       |   |                      |   |                      |   |                                  |   |                         |   |                                |   |                       |   |                       |   |

| Year 2                 |                       |   |                       |   |                      |   |                      |   |                                  |   |                            |   |                                |   | T                        |   |                       |   |
|------------------------|-----------------------|---|-----------------------|---|----------------------|---|----------------------|---|----------------------------------|---|----------------------------|---|--------------------------------|---|--------------------------|---|-----------------------|---|
| Activity Type          | Permit App<br>Granted |   | Permit App<br>Refused |   | Variation<br>Granted |   | Variation<br>Refused |   | Deemed<br>Permit<br>Applications |   | Superseded<br>Applications |   | Deemed<br>Permit<br>Variations |   | Superseded<br>Variations |   | Cancelled<br>/Aborted |   |
|                        | No.                   | % | No.                   | % | No.                  | % | No.                  | % | No.                              | % | No.                        | % | No.                            | % | No.                      | % | No.                   | % |
| Provisional<br>Advance | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Major                  | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Standard               | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Minor                  | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Immediate              | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Permit Variation       | No Data               |   | No Data               |   | No Data              |   | No Data              |   | No Data                          |   | No Data                    |   | No Data                        |   | No Data                  |   | No Data               |   |
| Total                  |                       |   |                       |   |                      |   |                      |   |                                  |   |                            |   |                                |   |                          |   |                       |   |

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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 A<br>Granted | pp | Permit Ap | pp | Variation<br>Granted | l | Variation<br>Refused |   | Deemed<br>Permit<br>Application | ons | Supersed<br>Application |   | Deemed<br>Permit<br>Variations | 6 | Supersec<br>Variations |   | Cancelled<br>/Aborted | d |
|                        | No.                 | %  | No.       | %  | No.                  | % | No.                  | % | No.                             | %   | No.                     | % | No.                            | % | No.                    | % | No.                   | % |
| Provisional<br>Advance | No Data             |    | No Data   |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data               |   |
| Major                  | No Data             |    | No Data   |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data               |   |
| Standard               | No Data             |    | No Data   |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data               |   |
| Minor                  | No Data             |    | No Data   |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data               |   |
| Immediate              | No Data             |    | No Data   |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data               |   |
| Permit Variation       | No Data             |    | No Data   |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data               |   |
| Total                  |                     |    |           |    |                      |   |                      |   |                                 |     |                         |   |                                |   |                        |   |                       |   |

Table 12(b) 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 2                 |          |    |                     |    |                      |   |                      |   |                                 |     |                         |   |                          |   |                        |   |                       |   |
|------------------------|----------|----|---------------------|----|----------------------|---|----------------------|---|---------------------------------|-----|-------------------------|---|--------------------------|---|------------------------|---|-----------------------|---|
| Activity Type          | Permit A | рр | Permit A<br>Refused | pp | Variation<br>Granted |   | Variation<br>Refused | l | Deemed<br>Permit<br>Application | ons | Supersec<br>Application |   | Deemed Permit Variations |   | Supersec<br>Variations |   | Cancelled<br>/Aborted | d |
|                        | No.      | %  | No.                 | %  | No.                  | % | No.                  | % | No.                             | %   | No.                     | % | No.                      | % | No.                    | % | No.                   | % |
| Provisional<br>Advance | No Data  |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Major                  | No Data  |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Standard               | No Data  |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Minor                  | No Data  |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Immediate              | No Data  |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Permit Variation       | No Data  |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data               |   |
| Total                  |          |    |                     |    |                      |   |                      |   |                                 |     |                         |   |                          |   |                        |   |                       |   |

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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 A<br>Granted | pp | Permit A<br>Refused | pp | Variation<br>Granted |   | Variation<br>Refused |   | Deemed Permit Application | ons | Supersed<br>Application |   | Deemed Permit Variations | 3 | Supersections Variations |   | Cancelle<br>/Aborted |   |
|                     | No.                 | %  | No.                 | %  | No.                  | % | No.                  | % | No.                       | %   | No.                     | % | No.                      | % | No.                      | % | No.                  | % |
| Provisional Advance | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                  |   | No Data              |   |
| Major               | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                  |   | No Data              |   |
| Standard            | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                  |   | No Data              |   |
| Minor               | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                  |   | No Data              |   |
| Immediate           | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                  |   | No Data              |   |
| Permit Variation    | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                   |     | No Data                 |   | No Data                  |   | No Data                  |   | No Data              |   |
| Total               |                     |    |                     |    |                      |   |                      |   |                           |     |                         |   |                          |   |                          |   |                      |   |

Table 13(b) 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 2              |                     |    |                     |    |                      |   |                      |   |                                 |     |                         |   |                          |   |                        |   |                      |   |
|---------------------|---------------------|----|---------------------|----|----------------------|---|----------------------|---|---------------------------------|-----|-------------------------|---|--------------------------|---|------------------------|---|----------------------|---|
| Activity Type       | Permit A<br>Granted | pp | Permit A<br>Refused | pp | Variation<br>Granted |   | Variation<br>Refused | ı | Deemed<br>Permit<br>Application | ons | Supersed<br>Application |   | Deemed Permit Variations | 8 | Supersec<br>Variations |   | Cancelle<br>/Aborted | d |
|                     | No.                 | %  | No.                 | %  | No.                  | % | No.                  | % | No.                             | %   | No.                     | % | No.                      | % | No.                    | % | No.                  | % |
| Provisional Advance | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Major               | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Standard            | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Minor               | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Immediate           | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Permit Variation    | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                  |   | No Data                |   | No Data              |   |
| Total               |                     |    |                     |    |                      |   |                      |   |                                 |     |                         |   |                          |   |                        |   |                      |   |

| Year 1                 |                     |    |                     |    |                      |   |                      |   |                                 |     |                         |   |                                |   |                        |   |                      |   |
|------------------------|---------------------|----|---------------------|----|----------------------|---|----------------------|---|---------------------------------|-----|-------------------------|---|--------------------------------|---|------------------------|---|----------------------|---|
| Activity Type          | Permit A<br>Granted | рр | Permit A<br>Refused | рр | Variation<br>Granted | l | Variation<br>Refused | l | Deemed<br>Permit<br>Application | ons | Supersed<br>Application |   | Deemed<br>Permit<br>Variations | 5 | Supersec<br>Variations |   | Cancelle<br>/Aborted | d |
|                        | No.                 | %  | No.                 | %  | No.                  | % | No.                  | % | No.                             | %   | No.                     | % | No.                            | % | No.                    | % | No.                  | % |
| Provisional<br>Advance | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Major                  | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Standard               | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Minor                  | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Immediate              | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Permit Variation       | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |     | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Total                  |                     |    |                     |    |                      |   |                      |   |                                 |     |                         |   |                                |   |                        |   |                      |   |

| Table 14(b) KPI 1 T    |                     |    |                     |    |                      |   |                      |   |                                 | 3 <del></del> F |                         |   |                                |   |                        |   | -71                  |   |
|------------------------|---------------------|----|---------------------|----|----------------------|---|----------------------|---|---------------------------------|-----------------|-------------------------|---|--------------------------------|---|------------------------|---|----------------------|---|
| Activity Type          | Permit A<br>Granted | pp | Permit A<br>Refused | рр | Variation<br>Granted |   | Variation<br>Refused | l | Deemed<br>Permit<br>Application | ons             | Supersed<br>Application |   | Deemed<br>Permit<br>Variations |   | Supersec<br>Variations |   | Cancelle<br>/Aborted | d |
|                        | No.                 | %  | No.                 | %  | No.                  | % | No.                  | % | No.                             | %               | No.                     | % | No.                            | % | No.                    | % | No.                  | % |
| Provisional<br>Advance | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |                 | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Major                  | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |                 | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Standard               | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |                 | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Minor                  | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |                 | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Immediate              | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |                 | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Permit Variation       | No Data             |    | No Data             |    | No Data              |   | No Data              |   | No Data                         |                 | No Data                 |   | No Data                        |   | No Data                |   | No Data              |   |
| Total                  |                     |    |                     |    |                      |   |                      |   |                                 |                 |                         |   |                                |   |                        |   |                      |   |

#### 4.2 KPI 2

#### The number of conditions applied by condition type.

Table 15 shows that over 5,500 conditions with the highest being time constraints, work methodology and traffic space dimensions. 96% 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 co | ndition type     |                               |       |                  |                               |       |                  |                               |       |
|----------------|--|------------------|-------------------------------|-------|------------------|-------------------------------|-------|------------------|-------------------------------|-------|
|                |  | Year 1           |                               |       | Year 2           |                               |       | Year 3           |                               |       |
| Number         | Condition                              | Utility<br>Works | Highway<br>Authority<br>Works | Total | Utility<br>Works | Highway<br>Authority<br>Works | Total | Utility<br>Works | Highway<br>Authority<br>Works | Total |
| 1              | Date Constraints                       | 445              | 27                            | 472   | 559              | 7                             | 566   |                  |                               |       |
| 2              | Time Constraints                       | 1748             | 68                            | 1,816 | 1,441            | 665                           | 2,106 |                  |                               |       |
| 3              | Out of Hours Work                      | 224              | 6                             | 228   | 151              | 10                            | 161   |                  |                               |       |
| 4              | Material and Plant Storage             | 474              | 1                             | 475   | 334              | -                             | 334   |                  |                               |       |
| 5              | Road Occupation Dimensions             | 566              | 16                            | 582   | 648              | 27                            | 675   |                  |                               |       |
| 6              | Traffic Space Dimensions               | 1,246            | 61                            | 1,307 | 1,568            | 44                            | 1,612 |                  |                               |       |
| 7              | Road Closure                           | 39               | 16                            | 55    | 70               | 22                            | 92    |                  |                               |       |
| 8              | Light Signals and Shuttle Working      | 58               | 18                            | 76    | 125              | 214                           | 339   |                  |                               |       |
| 9              | Traffic Management Changes             | 53               | 11                            | 64    | 146              | 5                             | 151   |                  |                               |       |
| 10             | Work Methodology                       | 74               | 2                             | 76    | 186              | 1                             | 187   |                  |                               |       |
| 11             | Consultation and Publicity             | 549              | 7                             | 556   | 416              | 4                             | 420   |                  |                               |       |
| 12             | Environmental                          | 8                | 0                             | 8     | 6                | -                             | 6     |                  |                               |       |
| 13             | Local                                  | 52               | 4                             | 56    | 105              | -                             | 105   |                  |                               |       |
|                | Total                                  | 5,536            | 237                           | 5771  | 5,755            | 999                           | 6,754 |                  |                               |       |

#### 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 a | pproved exten | sions |                   |               |       |                   |           |       |
|----------|-----------------------|---------------|-------|-------------------|---------------|-------|-------------------|-----------|-------|
|          | Year 1                |               |       | Year 2            |               |       | Year 3            |           |       |
| Period   | Agree                 | ed Extensions |       | Agre              | ed Extensions |       | Agreed Ex         | tensions  |       |
|          | Highway Authority     | Utilities     | Total | Highway Authority | Utilities     | Total | Highway Authority | Utilities | Total |
| Apr-15   | 0                     | 28            | 28    | 559               | 7             | 566   |                   |           |       |
| May-15   | 2                     | 29            | 31    | 1,441             | 665           | 2,106 |                   |           |       |
| Jun-15   | 1                     | 40            | 41    | 151               | 10            | 161   |                   |           |       |
| Jul-15   | 8                     | 31            | 39    | 334               | -             | 334   |                   |           |       |
| Aug-15   | 9                     | 42            | 51    | 648               | 27            | 675   |                   |           |       |
| Sep-15   | 4                     | 39            | 43    | 1,568             | 44            | 1,612 |                   |           |       |
| Oct-15   | 6                     | 37            | 43    | 70                | 22            | 92    |                   |           |       |
| Nov-15   | 12                    | 24            | 36    | 125               | 214           | 339   |                   |           |       |
| Dec-15   | 4                     | 33            | 37    | 146               | 5             | 151   |                   |           |       |

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| Jan-16 | 13 | 49  | 62  | 186 | 1 | 187 |  |   |
|--------|----|-----|-----|-----|---|-----|--|---|
| Feb-16 | 6  | 49  | 55  | 416 | 4 | 420 |  |   |
| Mar-16 | 3  | 41  | 44  | 6   | - | 6   |  |   |
| Total  | 68 | 442 | 510 | 105 | - | 105 |  | _ |

#### 4.4 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 KPI 7 | Number of inspe | ctions carried out to | monitor conditions | 5      |               |       |        |               |       |
|----------------|-----------------|-----------------------|--------------------|--------|---------------|-------|--------|---------------|-------|
| Promoter       | Year 1          |                       |                    | Year 2 |               |       | Year 3 |               |       |
| Tromoter       | Passed          | Non-Compliant         | Total              | Passed | Non-Compliant | Total | Passed | Non-Compliant | Total |
| BT             | 45              | 36                    | 81                 | 108    | 32            | 140   |        |               |       |
| BHCC           | -               | 3                     | 3                  | 36     | 8             | 44    |        |               |       |
| UKPN           | 62              | 17                    | 79                 | 289    | 28            | 317   |        |               |       |
| Vodafone       | -               | -                     | -                  | 1      | -             | 1     |        |               |       |
| NWR            | -               | -                     | -                  | 1      | 1             | 2     |        |               |       |
| Virgin Media   | 12              | 6                     | 18                 | 41     | 40            | 81    |        |               |       |
| O2             | -               | -                     | -                  | 5      | -             | 5     |        |               |       |
| Romec          | -               | -                     | -                  |        |               | -     |        |               |       |
| GTC            | -               | -                     | -                  | 2      | -             | 2     |        |               |       |

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| Orange   | -   | -   | -   | 2     | 1   | 3     |  |  |
|----------|-----|-----|-----|-------|-----|-------|--|--|
| Neoscorp | 2   | -   | 2   | 1     | 1   | 1     |  |  |
| T Mob    | -   | -   | -   | 16    | 4   | 20    |  |  |
| SGN      | 381 | 114 | 495 | 568   | 74  | 642   |  |  |
| Fulcrum  | 1   | -   | 1   | 6     | -   | 6     |  |  |
| Neoscorp | -   | -   | -   | -     | -   | -     |  |  |
| SWS      | -   | -   | -   | 577   | 102 | 679   |  |  |
| SSE      | -   | -   | -   | 1     | -   | 1     |  |  |
| Total    | 503 | 176 | 679 | 1,075 | 188 | 1,263 |  |  |

#### 5 APPENDIX 2a - HAUC TPI MEASURES

# 5.1 TPI 1 Works Phases Started (Base Data)

| Table 18 TPI 1 Works Phases S | tarted (Base Data) by Promote | er       |       |        |           |        |
|-------------------------------|-------------------------------|----------|-------|--------|-----------|--------|
| Year 1                        | · ·                           |          |       |        |           |        |
| Activity Type                 | Major                         | Standard | Minor | Urgent | Emergency | Total  |
| All Promoters                 | 353                           | 700      | 6,174 | 1,483  | 532       | 9,242  |
| Highway Authority             | 170                           | 188      | 156   | 5      | 9         | 528    |
| Utilities                     | 183                           | 512      | 6,018 | 1,478  | 523       | 8,714  |
| Year 2                        |                               |          |       |        |           |        |
| Activity Type                 | Major                         | Standard | Minor | Urgent | Emergency | Total  |
| All Promoters                 | 207                           | 673      | 6,155 | 1,910  | 1,102     | 10,047 |
| Highway Authority             | 43                            | 131      | 344   | 415    | 553       | 1,486  |
| Utilities                     | 164                           | 542      | 5,811 | 1,495  | 549       | 8,561  |
| Year 3                        |                               |          |       |        |           |        |
| Activity Type                 | Major                         | Standard | Minor | Urgent | Emergency | Total  |
| All Promoters                 |                               |          |       |        |           |        |
| Highway Authority             |                               |          |       |        |           |        |
| Utilities                     |                               |          |       |        |           |        |

| Table 19 TPI 1 Works Phases Started (Bas | se Data) for Highway Authority | Works by Reinstaten | nent Category |        |           |       |
|--|--------------------------------|---------------------|---------------|--------|-----------|-------|
| Year 1                                   |                                |                     |               |        |           |       |
| Reinstatement Category                   | Major                          | Standard            | Minor         | Urgent | Emergency | Total |
| Cat 1                                    | 34                             | 46                  | 51            | 5      | 5         | 141   |
| Cat 2                                    | 11                             | 4                   | 17            | 0      | 2         | 34    |
| Cat 3                                    | 4                              | 10                  | 6             | 0      | 2         | 22    |
| Cat 4                                    | 121                            | 126                 | 78            | 0      | 0         | 325   |
| Other F/way                              | 0                              | 2                   | 4             | 0      | 0         | 6     |
| Year 2                                   |                                |                     |               |        |           |       |
| Reinstatement Category                   | Major                          | Standard            | Minor         | Urgent | Emergency | Total |
| Cat 1                                    | 14                             | 29                  | 126           | 72     | 121       | 362   |
| Cat 2                                    | 2                              | 10                  | 43            | 36     | 47        | 138   |
| Cat 3                                    | 6                              | 6                   | 24            | 13     | 34        | 83    |
| Cat 4                                    | 21                             | 86                  | 150           | 294    | 347       | 898   |
| Other F/way                              | -                              | -                   | 1             | -      | 4         | 5     |

| Table 20 TPI 1 Works Phases Started (Base Data) for I | Jtility Works by Re | einstatement Category |       |        |           |       |
|---|---------------------|-----------------------|-------|--------|-----------|-------|
| Year 1  |                     |                       |       |        |           |       |
| Reinstatement Category                                | Major               | Standard              | Minor | Urgent | Emergency | Total |
| Cat 1   | 10                  | 77                    | 500   | 142    | 65        | 794   |
| Cat 2   | 7                   | 41                    | 343   | 73     | 34        | 498   |
| Cat 3   | 7                   | 21                    | 203   | 55     | 25        | 311   |
| Cat 4   | 157                 | 364                   | 4,928 | 1,192  | 398       | 7,039 |
| Other F/way   | 2                   | 9                     | 44    | 16     | 1         | 72    |
| Year 2  |                     |                       |       |        |           |       |
| Reinstatement Category                                | Major               | Standard              | Minor | Urgent | Emergency | Total |
| Cat 1   | 28                  | 61                    | 563   | 155    | 73        | 880   |
| Cat 2   | 18                  | 33                    | 308   | 61     | 43        | 463   |
| Cat 3   | 12                  | 27                    | 226   | 62     | 23        | 350   |
| Cat 4   | 103                 | 417                   | 4,668 | 1,195  | 408       | 6,791 |
| Other F/way   | 3                   | 4                     | 46    | 22     | 2         | 77    |

# 5.2 TPI 2 Works Phases Completed (Base Data)

| Table 21 TPI 2 Works Phases Completed (Ba | ase Data) by Pror | noter    |       |        |           |        |
|---|-------------------|----------|-------|--------|-----------|--------|
| Year 1                                    |                   |          |       |        |           |        |
| Activity Type                             | Major             | Standard | Minor | Urgent | Emergency | Total  |
| All Promoters                             | 364               | 710      | 6,165 | 1,489  | 532       | 9,260  |
| Highway Authority                         | 167               | 187      | 151   | 5      | 9         | 519    |
| Utilities                                 | 197               | 523      | 6,014 | 1,484  | 523       | 8,741  |
| Year 2                                    |                   |          |       |        |           |        |
| Activity Type                             | Major             | Standard | Minor | Urgent | Emergency | Total  |
| All Promoters                             | 203               | 670      | 6,151 | 1,911  | 1,108     | 10,043 |
| Highway Authority                         | 44                | 131      | 345   | 415    | 553       | 1,488  |
| Utilities                                 | 159               | 539      | 5,806 | 1,496  | 555       | 8,555  |

| Table 22 TPI 2 Works Phases Completed (Base Data | ) for Highway Autho | rity Works by Reinstate | ement Category |        |           |       |
|--|---------------------|-------------------------|----------------|--------|-----------|-------|
| Year 1   |                     |                         |                |        |           |       |
| Reinstatement Category                           | Major               | Standard                | Minor          | Urgent | Emergency | Total |
| Cat 1  | 33                  | 46                      | 48             | 5      | 5         | 137   |
| Cat 2  | 12                  | 4                       | 16             | 0      | 2         | 34    |
| Cat 3  | 4                   | 10                      | 6              | 0      | 2         | 22    |
| Cat 4  | 118                 | 125                     | 77             | 0      | 0         | 320   |
| Other F/way                                      | 0                   | 2                       | 4              | 0      | 0         | 6     |
| Year 2   |                     |                         |                |        |           |       |
| Reinstatement Category                           | Major               | Standard                | Minor          | Urgent | Emergency | Total |
| Cat 1  | 13                  | 29                      | 127            | 72     | 121       | 362   |
| Cat 2  | 2                   | 9                       | 43             | 36     | 47        | 137   |
| Cat 3  | 6                   | 6                       | 24             | 13     | 34        | 83    |
| Cat 4  | 23                  | 87                      | 150            | 294    | 347       | 901   |
| Other F/way                                      | -                   | -                       | 1              | -      | 4         | 5     |

| Table 23 TPI 2 Works Phases Completed (Base Data) f | or Utility Works by | Reinstatement Categ | ory   |        |           |       |
|---|---------------------|---------------------|-------|--------|-----------|-------|
| Year 1  |                     | _                   |       |        |           |       |
| Reinstatement Category                              | Major               | Standard            | Minor | Urgent | Emergency | Total |
| Cat 1   | 10                  | 78                  | 506   | 144    | 63        | 801   |
| Cat 2   | 8                   | 44                  | 343   | 73     | 35        | 503   |
| Cat 3   | 8                   | 21                  | 202   | 55     | 25        | 311   |
| Cat 4   | 169                 | 371                 | 4,919 | 1,196  | 399       | 7,054 |
| Other F/way   | 2                   | 9                   | 44    | 16     | 1         | 72    |
| Year 2  |                     |                     |       |        |           |       |
| Reinstatement Category                              | Major               | Standard            | Minor | Urgent | Emergency | Total |
| Cat 1   | 27                  | 60                  | 562   | 154    | 75        | 878   |
| Cat 2   | 18                  | 34                  | 309   | 62     | 42        | 465   |
| Cat 3   | 12                  | 27                  | 223   | 62     | 23        | 347   |
| Cat 4   | 99                  | 414                 | 4,666 | 1,196  | 413       | 6,788 |
| Other F/way   | 3                   | 4                   | 46    | 22     | 2         | 77    |

# 5.3 TPI 3 Days of Occupancy Phases Completed

| Table 24 TPI 3 Days Of Occupa | ncy Phases Completed by Pro | omoter   |        |        |           |        |
|-------------------------------|-----------------------------|----------|--------|--------|-----------|--------|
| Year 1                        |                             |          |        |        |           |        |
| Activity Type                 | Major                       | Standard | Minor  | Urgent | Emergency | Total  |
| All Promoters                 | 15,975                      | 7,129    | 15,762 | 8,045  | 4,983     | 51,894 |
| Highway Authority             | 6,037                       | 1,893    | 897    | 2,935  | 11        | 11,773 |
| Utilities                     | 9,938                       | 5,236    | 14,865 | 5,110  | 4,972     | 40,121 |
| Year 2                        | ·                           |          |        |        |           |        |
| Activity Type                 | Major                       | Standard | Minor  | Urgent | Emergency | Total  |
| All Promoters                 | 4,768                       | 6,173    | 18,440 | 9,417  | 4,957     | 43,755 |
| Highway Authority             | 907                         | 1,546    | 1,295  | 3,358  | 592       | 7,698  |
| Utilities                     | 3,861                       | 4,627    | 17,145 | 6,059  | 4,365     | 36,057 |
| Year 3                        |                             |          |        |        |           |        |
| Activity Type                 | Major                       | Standard | Minor  | Urgent | Emergency | Total  |
| All Promoters                 |                             |          |        |        |           |        |
| Highway Authority             |                             |          |        |        |           |        |
| Utilities                     |                             |          |        |        |           |        |

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| Year 1                 |       |          |       |        |           |       |
|------------------------|-------|----------|-------|--------|-----------|-------|
| Traffic Sensitive      |       |          |       |        |           |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 298   | 392      | 104   | 7      | 6         | 807   |
| Cat 2                  | 65    | 30       | 34    | -      | 3         | 132   |
| Cat 3                  | 6     | 45       | 16    | -      | 2         | 69    |
| Cat 4                  | 265   | 193      | 92    | -      | -         | 550   |
| HA f/way               | -     | -        | -     | -      | -         | -     |
| HD f/way               | -     | -        | -     | -      | -         | -     |
| Other f/way            | -     | -        | 4     | -      | -         | 4     |
| Non Traffic Sensitive  |       |          |       |        |           |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 594   | 78       | 427   | 1,464  | -         | 2,50  |
| Cat 2                  | 2,253 | -        | -     | 366    | -         | 2,6   |
| Cat 3                  | 2     | 26       | -     | -      | -         | 2     |
| Cat 4                  | 2,554 | 1,110    | 211   | 1,098  | -         | 4,9   |
| HA f/way               | -     | -        | -     | -      | -         | -     |
| HD f/way               | -     | -        | -     | -      | -         | -     |
| Other f/way            |       | 19       | 9     | -      | -         |       |

| Year 2                 |       |          |       |        |           |       |
|------------------------|-------|----------|-------|--------|-----------|-------|
| Traffic Sensitive      |       |          |       |        |           |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 192   | 274      | 187   | 79     | 129       | 861   |
| Cat 2                  | 36    | 81       | 55    | 39     | 58        | 269   |
| Cat 3                  | 35    | 92       | 27    | 16     | 39        | 209   |
| Cat 4                  | 43    | 125      | 131   | 71     | 83        | 453   |
| HA f/way               | -     | -        | -     | -      | -         | -     |
| HD f/way               | -     | -        | -     | -      | -         | -     |
| Other f/way            | -     | -        | -     | -      | -         | -     |
| Non Traffic Sensitive  |       |          | _     | _      | <b>'</b>  |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 477   | 181      | 730   | 1,460  | -         | 2,848 |
| Cat 2                  | -     | 4        | -     | 365    | -         | 369   |
| Cat 3                  | 3     | -        | 1     | -      | 4         | 8     |
| Cat 4                  | 121   | 789      | 163   | 1,328  | 275       | 2,676 |
| HA f/way               | -     | -        | -     | -      | -         | -     |
| HD f/way               | -     | -        | -     | -      | 2         | 2     |
| Other f/way            | -     | -        | 1     | -      | 2         | 3     |

| Year 1                 |       |          |       |        |           |       |
|------------------------|-------|----------|-------|--------|-----------|-------|
| Traffic Sensitive      |       |          |       |        |           |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 125   | 634      | 1,141 | 410    | 527       | 2,837 |
| Cat 2                  | 83    | 338      | 671   | 189    | 315       | 1,596 |
| Cat 3                  | 41    | 106      | 356   | 90     | 155       | 748   |
| Cat 4                  | 805   | 530      | 2,034 | 719    | 800       | 4,888 |
| HA f/way               | -     | -        | -     | -      | -         | -     |
| HD f/way               | -     | -        | -     | -      | -         | -     |
| Other f/way            | -     | 22       | -     | -      | -         | 22    |
| Non Traffic Sensitive  |       |          |       |        |           |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 125   | 634      | 1,141 | 410    | 527       | 2,837 |
| Cat 2                  | 83    | 338      | 671   | 189    | 315       | 1,596 |
| Cat 3                  | 41    | 106      | 356   | 90     | 155       | 748   |
| Cat 4                  | 805   | 530      | 2,034 | 719    | 800       | 4,888 |
| HA f/way               | -     | -        | 23    | 9      | -         | 32    |
| HD f/way               | -     | -        | 5     | -      | -         | 5     |
| Other f/way            | 56    | 433      | 90    | 58     | 5         | 642   |

| Traffic Sensitive      |       |          |        |        |           |        |
|------------------------|-------|----------|--------|--------|-----------|--------|
| Reinstatement Category | Major | Standard | Minor  | Urgent | Emergency | Total  |
| Cat 1                  | 363   | 436      | 1,329  | 525    | 563       | 3,216  |
| Cat 2                  | 71    | 232      | 678    | 255    | 349       | 1,585  |
| Cat 3                  | 111   | 179      | 467    | 166    | 165       | 1,088  |
| Cat 4                  | 422   | 743      | 2,583  | 778    | 713       | 5,239  |
| HA f/way               | -     | -        | -      | -      | -         | -      |
| HD f/way               | -     | -        | -      | -      | -         | -      |
| Other f/way            | -     | -        | -      | -      | -         | -      |
| Non Traffic Sensitive  |       | _        | _      | •      | •         |        |
| Reinstatement Category | Major | Standard | Minor  | Urgent | Emergency | Total  |
| Cat 1                  | 120   | 16       | 11     | 12     | 43        | 202    |
| Cat 2                  | 25    | 9        | 2      | 4      | 20        | 60     |
| Cat 3                  | 5     | 16       | 90     | 44     | 36        | 191    |
| Cat 4                  | 2,658 | 2,603    | 11,874 | 4,187  | 2,464     | 23,786 |
| HA f/way               | -     | -        | -      | -      | -         | -      |
| HD f/way               | -     | -        | 16     | 19     | 5         | 40     |
| Other f/way            | 86    | 393      | 95     | 69     | 7         | 650    |

## 5.4 TPI 4 Average Duration of Works Phases Completed

| Table 27 TPI 4 Average Duration of V | Vorks Phases Comple  | ted by Promoter by | Activity Type        |         |                   |         |
|--------------------------------------|----------------------|--------------------|----------------------|---------|-------------------|---------|
|                                      | Year 1               |                    | Year 2               |         | Year 3            |         |
| Activity Type                        | Highway<br>Authority | Utility            | Highway<br>Authority | Utility | Highway Authority | Utility |
| Major                                | 18.91                | 16.91              | 13.79                | 14.06   |                   |         |
| Standard                             | 6.39                 | 5.92               | 8.56                 | 8.11    |                   |         |
| Minor                                | 1.84                 | 2.1                | 1.69                 | 2.10    |                   |         |
| Immediate - Urgent                   | 2.52                 | 1.33               | 1.18                 | 4.10    |                   |         |
| Immediate - Emergency                | 7.2                  | 1.24               | 1.06                 | 4.70    |                   |         |

## 5.5 TPI 5 Phases Completed on time

This information is not available at this time

| Year 1            |         |          |         |         |           |       |  |  |  |
|-------------------|---------|----------|---------|---------|-----------|-------|--|--|--|
| Activity Type     | Major   | Standard | Minor   | Urgent  | Emergency | Total |  |  |  |
| All Promoters     | No Data | No Data  | No Data | No Data | No Data   |       |  |  |  |
| Highway Authority | No Data | No Data  | No Data | No Data | No Data   |       |  |  |  |
| Utilities         | No Data | No Data  | No Data | No Data | No Data   |       |  |  |  |
| Year 2            |         |          |         |         |           |       |  |  |  |
| Activity Type     | Major   | Standard | Minor   | Urgent  | Emergency | Total |  |  |  |
| All Promoters     | No Data | No Data  | No Data | No Data | No Data   |       |  |  |  |
| Highway Authority | No Data | No Data  | No Data | No Data | No Data   |       |  |  |  |
| Utilities         | No Data | No Data  | No Data | No Data | No Data   |       |  |  |  |

## 5.6 TPI 6 Number of deemed Permit applications

This information is not available at this time.

| Table 29 TPI6 Number of deemed permit applications by Promoter |         |                   |         |                   |         |
|--|---------|-------------------|---------|-------------------|---------|
| Year 1   |         | Year 2            |         | Year 3            |         |
| Highway Authority  | Utility | Highway Authority | Utility | Highway Authority | Utility |
| No Data  | No Data | 1                 | -       | No Data           | No Data |

## 5.7 TPI 7 Number of Phase One Permanent Registrations

| Table 30 TPI7 Number of Phase | Table 30 TPI7 Number of Phase One Permanent Registrations by Promoter |          |       |        |           |       |
|-------------------------------|---|----------|-------|--------|-----------|-------|
| Year 1                        |   |          |       |        |           |       |
| Activity Type                 | Major   | Standard | Minor | Urgent | Emergency | Total |
| All Promoters                 | 199   | 620      | 3,521 | 1,391  | 471       | 6,202 |
| Highway Authority             | 52  | 182      | 131   | 5      | 9         | 379   |
| Utilities                     | 147   | 438      | 3,390 | 1,386  | 462       | 5,823 |
| Year 2                        |   |          | •     |        |           |       |
| Activity Type                 | Major   | Standard | Minor | Urgent | Emergency | Total |
| All Promoters                 | 149   | 585      | 3,281 | 1,789  | 1,066     | 6,870 |
| Highway Authority             | 43  | 128      | 330   | 415    | 552       | 1,468 |
| Utilities                     | 106   | 457      | 2,951 | 1,374  | 514       | 5,402 |

| Year 1                 |       |          |       |        |           |       |
|------------------------|-------|----------|-------|--------|-----------|-------|
| Traffic Sensitive      |       |          |       |        |           |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 6     | 37       | 36    | 5      | 5         | 89    |
| Cat 2                  | 0     | 3        | 10    | 0      | 2         | 15    |
| Cat 3                  | 0     | 4        | 3     | 0      | 2         | 9     |
| Cat 4                  | 1     | 17       | 18    | 0      | 0         | 36    |
| HA f/way               | -     | -        | -     | -      | -         | -     |
| HD f/way               | -     | -        | -     | -      | -         | -     |
| Other f/way            | 0     | 0        | 0     | 0      | 0         | 0     |
| Non Traffic Sensitive  |       |          |       |        |           |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 8     | 7        | 3     | 0      | 0         | 18    |
| Cat 2                  | 5     | 1        | 6     | 0      | 0         | 12    |
| Cat 3                  | 0     | 5        | 1     | 0      | 0         | 6     |
| Cat 4                  | 32    | 106      | 50    | 0      | 0         | 188   |
| HA f/way               | -     | -        | -     | -      | -         | -     |
| HD f/way               | -     | -        | -     | -      | -         | -     |
| Other f/way            | 0     | 2        | 4     | 0      | 0         | 6     |

| Year 2                 |       |          |       |        |           |       |
|------------------------|-------|----------|-------|--------|-----------|-------|
| Traffic Sensitive      |       |          |       |        |           |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 11    | 22       | 110   | 71     | 118       | 332   |
| Cat 2                  | 2     | 6        | 38    | 36     | 47        | 129   |
| Cat 3                  | 2     | 4        | 19    | 13     | 28        | 66    |
| Cat 4                  | 10    | 3        | 55    | 70     | 78        | 216   |
| HA f/way               | -     | -        | -     | -      | -         | -     |
| HD f/way               | -     | -        | -     | -      | -         | -     |
| Other f/way            | -     | -        | -     | -      | -         | -     |
| Non Traffic Sensitive  |       | •        |       |        |           |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 2     | 6        | 8     | 1      | 2         | 19    |
| Cat 2                  | -     | 3        | 4     | -      | -         | 7     |
| Cat 3                  | 4     | 2        | 5     | -      | 6         | 17    |
| Cat 4                  | 12    | 82       | 90    | 224    | 269       | 677   |
| HA f/way               | -     | -        | -     | -      | -         | -     |
| HD f/way               | -     | -        | -     | -      | 2         | 2     |
| Other f/way            | _     | -        | 1     | _      | 2         | 3     |

| Year 1                 |       |          |       |        |           |       |
|------------------------|-------|----------|-------|--------|-----------|-------|
| Traffic Sensitive      |       |          |       |        |           |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 4     | 53       | 142   | 49     | 51        | 299   |
| Cat 2                  | 2     | 35       | 77    | 19     | 29        | 162   |
| Cat 3                  | 2     | 10       | 23    | 7      | 16        | 58    |
| Cat 4                  | 19    | 61       | 103   | 61     | 78        | 322   |
| HA f/way               | -     | -        | -     | -      | -         | -     |
| HD f/way               | -     | -        | -     | -      | -         | -     |
| Other f/way            | 0     | 0        | 0     | 0      | 0         | 0     |
| Non Traffic Sensitive  |       |          |       |        |           |       |
| Reinstatement Category | Major | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 2     | 8        | 134   | 79     | 0         | 223   |
| Cat 2                  | 0     | 1        | 92    | 50     | 0         | 143   |
| Cat 3                  | 5     | 6        | 83    | 42     | 4         | 140   |
| Cat 4                  | 111   | 257      | 2713  | 1064   | 284       | 4429  |
| HA f/way               | -     | -        | -     | -      | -         | -     |
| HD f/way               | -     | -        | -     | -      | -         | -     |
| Other f/way            | 2     | 7        | 23    | 15     | 0         | 47    |

| Traffic Sensitive      |          |          |       |        |           |       |
|------------------------|----------|----------|-------|--------|-----------|-------|
| Reinstatement Category | Major    | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 14       | 33       | 143   | 26     | 67        | 283   |
| Cat 2                  | 3        | 23       | 73    | 11     | 39        | 149   |
| Cat 3                  | 5        | 18       | 37    | 8      | 18        | 86    |
| Cat 4                  | 16       | 48       | 130   | 30     | 89        | 313   |
| HA f/way               | -        | -        | -     | -      | -         | -     |
| HD f/way               | -        | -        | -     | -      | -         | -     |
| Other f/way            | -        | -        | 1     | -      | -         | 1     |
| Non Traffic Sensitive  | <u>'</u> | _        | _     |        |           |       |
| Reinstatement Category | Major    | Standard | Minor | Urgent | Emergency | Total |
| Cat 1                  | 4        | 17       | 118   | 115    | 1         | 255   |
| Cat 2                  | 8        | 6        | 80    | 44     | -         | 138   |
| Cat 3                  | 1        | 6        | 74    | 52     | 4         | 137   |
| Cat 4                  | 53       | 303      | 2,271 | 1,067  | 294       | 3,988 |
| HA f/way               | -        | -        | -     | -      | -         | -     |
| HD f/way               | -        | -        | 6     | 5      | 1         | 12    |
| Other f/way            | 2        | 3        | 18    | 16     | 1         | 40    |

#### 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 |  |
| 345   | No Data |        |  |

#### 6.2 Number of PAA applications granted

This information is not available at this time.

| Table 34 Number of PAA applications granted |         |        |  |
|---|---------|--------|--|
| Year 1                                      | Year 2  | Year 3 |  |
| No Data                                     | No Data |        |  |

#### 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                                    | No Data |        |  |  |

#### 6.4 Number of "initial" permit applications submitted for a works phase

This information is not available at this time.

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| Table 36 Number of "initial" permit applications submitted for a works phase |         |        |  |  |
|--|---------|--------|--|--|
| Year 1   | Year 2  | Year 3 |  |  |
| No Data  | No Data |        |  |  |

## 6.5 Number of Permit applications granted on first application submission

This information is not available at this time.

| Table 37 Number of Permit applications granted on first application submission |         |        |  |  |
|--|---------|--------|--|--|
| Year 1   | Year 2  | Year 3 |  |  |
| No Data  | No Data |        |  |  |

## 6.6 Number of "modified" applications submitted prior to Permit being granted or deemed

This information is not available at this time.

| Table 38 Number of "modified" applications submitted prior to Permit being granted or deemed |         |        |  |
|--|---------|--------|--|
| Year 1   | Year 2  | Year 3 |  |
| No Data  | No Data |        |  |

#### 6.7 Number of Permit applications deemed

This information is not available at this time.

| Table 39 Number of Permit applications deemed |                      |  |  |  |  |  |  |  |  |  |  |
|---|----------------------|--|--|--|--|--|--|--|--|--|--|
| Year 1  | Year 1 Year 2 Year 3 |  |  |  |  |  |  |  |  |  |  |
| 0   | 1                    |  |  |  |  |  |  |  |  |  |  |

## 6.8 Number of applications cancelled prior to grant / deemed

This information is not available at this time

| Table 40 Number of applications cancelled prior to grant / deemed |        |        |  |  |  |  |  |  |  |  |  |
|---|--------|--------|--|--|--|--|--|--|--|--|--|
| Year 1  | Year 2 | Year 3 |  |  |  |  |  |  |  |  |  |
| 4,257 No Data   |        |        |  |  |  |  |  |  |  |  |  |

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

This information is not available at this time.

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

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#### 6.10 Number of Authority imposed variations / revokes

| Table 42 Number of Authority imposed variations / revokes |        |        |  |  |  |  |  |  |  |  |
|---|--------|--------|--|--|--|--|--|--|--|--|
| Year 1  | Year 2 | Year 3 |  |  |  |  |  |  |  |  |
| 3,393 No Data   |        |        |  |  |  |  |  |  |  |  |

#### 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 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  | 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<br>"Collaboration indicator" set |        |        |  |  |  |  |  |  |  |
|--|--------|--------|--|--|--|--|--|--|--|
| Year 1   | Year 2 | Year 3 |  |  |  |  |  |  |  |
| No Data No Data  |        |        |  |  |  |  |  |  |  |

#### 7 APPENDIX 2c - AUTHORITY MEASURES

## 7.1 AM 1 - Average duration of works

| Table 46 AM 1 Average duration of works by permit type by Promoter by Activity Type |            |         |         |         |                 |       |         |         |  |  |  |
|---|------------|---------|---------|---------|-----------------|-------|---------|---------|--|--|--|
| Activity Type   | Pre-scheme |         | Year 1  |         | Year 2          |       | Year 3  |         |  |  |  |
| 7.00.7.0  | Highway    | Utility | Highway | Utility | Highway Utility |       | Highway | Utility |  |  |  |
| Major   | 21.7       | 28.0    | 17.19   | 21.88   | 7.49            | 14.02 |         |         |  |  |  |
| Standard  | 8.7        | 9.5     | 5.92    | 6.41    | 6.79            | 5.69  |         |         |  |  |  |
| Minor   | 2.4        | 2.5     | 2.08    | 1.84    | 1.51            | 2.07  |         |         |  |  |  |
| Immediate - Urgent  | -          | 5.1     | 1.33    | 2.53    | 1.12            | 2.76  |         |         |  |  |  |
| Immediate - Emergency   | 1.8        | 5.1     | 1.24    | 7.2     | 1.03            | 5.81  |         |         |  |  |  |

# 7.2 AM 2 - Inspections

| Table | Table 47(a) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type |            |                            |               |            |                            |               |               |                            |                      |                  |                            |
|-------|--|------------|----------------------------|---------------|------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Pro   | Promoter   |            |                            |               |            |                            |               |               |                            |                      |                  |                            |
|       | Year 1   |            |                            |               |            |                            |               |               |                            |                      |                  |                            |
|       | CAT A<br>Done  | CAT A Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| вт    | 114  | 17         | 15%                        | 59            | 6          | 10%                        | 61            | 3             | 5%                         | 234                  | 26               | 11%                        |
| 5.    | Year 2   |            |                            |               |            |                            |               |               |                            |                      |                  |                            |
|       | CAT A<br>Done  | CAT A Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|       | 162  | 24         | 15%                        | 47            | 4          | 9%                         | 51            | 3             | 6%                         | 260                  | 31               | 12%                        |

| Table 47 | able 47(b) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|----------|---|---------------|----------------------------|---------------|------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Promot   | Promoter  |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|          | Year 1  |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|          | CAT A<br>Done   | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| внсс     | -   | -             | -                          | -             | -          | -                          | -             | -             | -                          | -                    | -                | -                          |
| БПСС     | Year 2  | Year 2        |                            |               |            |                            |               |               |                            |                      |                  |                            |
|          | CAT A<br>Done   | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|          | -   | -             | -                          | -             | -          | -                          | -             | -             | -                          | -                    | ı                | -                          |

| Table 47 | Table 47(c) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|----------|--|---------------|----------------------------|---------------|------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Promot   | Promoter   |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|          | Year 1   |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|          | CAT A<br>Done  | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| UKPN     | 148  | 15            | 10%                        | 63            | 1          | 2%                         | 60            | 0             | 0%                         | 271                  | 16               | 6%                         |
|          | Year 2   |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|          | CAT A<br>Done  | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|          | 314  | 12            | 4%                         | 46            | 2          | 4%                         | 53            | -             | 0%                         | 413                  | 14               | 3%                         |

| Table 47(d) | Table 47(d) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|-------------|--|---------------|----------------------------|---------------|------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Promoter    |  |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|             | Year 1   |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|             | CAT A<br>Done  | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| Vodafone    | -  | -             | -                          | -             | -          | -                          | -             | -             | -                          | -                    | -                | -                          |
|             | Year 2   |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|             | CAT A<br>Done  | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|             | 2  | -             | 0%                         | -             | -          |                            | -             | _             |                            | 2                    | -                | 0%                         |

| Table 4 | 7(e) AM 2 Ins | pections (%;a | ge of total un             | dertaken and fa | ilures) by Proi | moter by Acti              | vity Type     |               |                            |                      |                  |                            |
|---------|---------------|---------------|----------------------------|-----------------|-----------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Promo   | ter           |               |                            |                 |                 |                            |               |               |                            |                      |                  |                            |
|         | Year 1        |               |                            |                 |                 |                            |               |               |                            |                      |                  |                            |
|         | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done   | CAT B Fail      | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| NWR     | -             | -             | -                          | -               | -               | -                          | -             | -             | -                          | -                    | -                | -                          |
| 144414  | Year 2        |               |                            |                 |                 |                            |               |               |                            |                      |                  |                            |
|         | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done   | CAT B Fail      | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|         | -             | -             | -                          | -               | -               | -                          | -             | -             | -                          | -                    | -                | -                          |

| Promot | er            |               |                            |               |               |                            |               |               |                            |                      |                  |                            |
|--------|---------------|---------------|----------------------------|---------------|---------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
|        | Year 1        |               |                            |               |               |                            |               |               |                            |                      |                  |                            |
|        | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B<br>Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| Virgin | 124           | 5             | 4%                         | 60            | 4             | 7%                         | 74            | 4             | 5%                         | 258                  | 13               | 5%                         |
| Media  | Year 2        |               |                            |               |               |                            |               |               |                            |                      |                  | 1                          |
|        | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B<br>Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|        | 172           | 28            | 16%                        | 59            | 5             | 8%                         | 56            | 1             | 2%                         | 287                  | 34               | 12%                        |

| Table | e 47(g) AM 2  | Inspections (% | ;age of total ı            | undertaken and | failures) by Pro | omoter by Ac               | tivity Type   |               |                            |                      |                  |                            |
|-------|---------------|----------------|----------------------------|----------------|------------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Pror  | moter         |                |                            |                |                  |                            |               |               |                            |                      |                  |                            |
|       | Year 1        |                |                            |                |                  |                            |               |               |                            |                      |                  |                            |
|       | CAT A<br>Done | CAT A Fail     | CAT A<br>Failure<br>Rate % | CAT B<br>Done  | CAT B Fail       | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| 02    | -             | -              | -                          | -              | -                | -                          | -             | -             | -                          | -                    | -                | -                          |
|       | Year 2        | •              |                            | •              |                  |                            |               |               |                            |                      |                  |                            |
|       | CAT A<br>Done | CAT A Fail     | CAT A<br>Failure<br>Rate % | CAT B<br>Done  | CAT B Fail       | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|       | 8             | -              | 0%                         | 1              | 1                | 100%                       | -             | -             |                            | 9                    | 1                | 11%                        |

| Table 47 | (h) AM 2 Ins  | pections (%;aç | ge of total und            | ertaken and fai | lures) by Pron | noter by Activ             | vity Type     |               |                            |                      |                  |                            |
|----------|---------------|----------------|----------------------------|-----------------|----------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Promote  | er            |                |                            |                 |                |                            |               |               |                            |                      |                  |                            |
|          | Year 1        |                |                            |                 |                |                            |               |               |                            |                      |                  |                            |
|          | CAT A<br>Done | CAT A<br>Fail  | CAT A<br>Failure<br>Rate % | CAT B<br>Done   | CAT B Fail     | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| Romec    | -             | -              | -                          | -               | -              | -                          | -             | -             | -                          | -                    | -                | -                          |
| Romec    | Year 2        |                |                            | •               |                |                            |               |               |                            |                      |                  |                            |
|          | CAT A<br>Done | CAT A<br>Fail  | CAT A<br>Failure<br>Rate % | CAT B<br>Done   | CAT B Fail     | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|          | -             | -              | -                          | -               | -              | -                          | -             | -             | -                          | -                    | -                | -                          |

| Table | 47(i) AM 2 Ir | nspections (% | ;age of total u            | ndertaken and f | failures) by Pro | moter by Act               | tivity Type   |               |                            |                      |                  |                            |
|-------|---------------|---------------|----------------------------|-----------------|------------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Prom  | oter          |               |                            |                 |                  |                            |               |               |                            |                      |                  |                            |
|       | Year 1        |               |                            |                 |                  |                            |               |               |                            |                      |                  |                            |
|       | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done   | CAT B Fail       | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| GTC   | 1             | 0             | 0%                         | 0               | 0                | 0%                         | 0             | 0             | 0%                         | 3                    | 2                | 67%                        |
|       | Year 2        | _             | <u>'</u>                   | _               |                  |                            |               | _             | _                          |                      | •                |                            |
|       | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done   | CAT B Fail       | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|       | 1             | -             | 0%                         | -               | -                |                            | -             | -             |                            | 1                    | -                | 0%                         |

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| Table 47 | (j) AM 2 Inspe | ections (%;ag | e of total unde            | ertaken and fail | ures) by Prom | oter by Activ              | rity Type     |               |                            |                      |                  |                            |
|----------|----------------|---------------|----------------------------|------------------|---------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Promote  | er             |               |                            |                  |               |                            |               |               |                            |                      |                  |                            |
|          | Year 1         |               |                            |                  |               |                            |               |               |                            |                      |                  |                            |
|          | CAT A<br>Done  | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done    | CAT B Fail    | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| Orange   | Year 2         | -             | -                          | -                | -             | -                          | -             | -             | -                          | -                    | -                | -                          |
|          | CAT A<br>Done  | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done    | CAT B Fail    | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|          | 1              | 1             | 100%                       | -                | -             |                            | -             | -             |                            |                      |                  |                            |

| Table 47(k) | AM 2 Inspec   | tions (%;age  | of total unde              | rtaken and failu | res) by Promo | oter by Activi             | ity Type      |               |                            |                      |                  |                            |
|-------------|---------------|---------------|----------------------------|------------------|---------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Promoter    |               |               |                            |                  |               |                            |               |               |                            |                      |                  |                            |
|             | Year 1        |               |                            |                  |               |                            |               |               |                            |                      |                  |                            |
|             | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done    | CAT B Fail    | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| Neoscorp    | 1             | 0             | 0%                         | 1                | 0             | 0%                         | 0             | 0             | 0%                         | 2                    | 0                | 0%                         |
| -           | Year 2        | •             |                            |                  |               |                            |               | •             |                            |                      |                  |                            |
|             | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done    | CAT B Fail    | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|             | -             | -             | -                          | -                | -             | -                          | -             | -             | -                          | -                    | -                | -                          |

| Table 47 | (I) AM 2 Inspec | ctions (%;age o | f total under              | taken and failur | es) by Promot | er by Activit              | у Туре        |               |                            |                      |                  |                               |
|----------|-----------------|-----------------|----------------------------|------------------|---------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|-------------------------------|
| Promot   | er              |                 |                            |                  |               |                            |               |               |                            |                      |                  |                               |
|          | Year 1          |                 |                            |                  |               |                            |               |               |                            |                      |                  |                               |
|          | CAT A<br>Done   | CAT A Fail      | CAT A<br>Failure<br>Rate % | CAT B<br>Done    | CAT B Fail    | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate      |
|          | -               | -               | -                          | -                | -             | -                          | -             | -             | -                          | -                    | -                | -                             |
| T Mob    | Year 2          |                 |                            |                  |               |                            |               |               |                            |                      |                  |                               |
|          | CAT A<br>Done   | CAT A Fail      | CAT A<br>Failure<br>Rate % | CAT B<br>Done    | CAT B Fail    | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate<br>% |
|          | 31              | 2               | 6%                         | 2                | -             | 0%                         | 2             | -             |                            | 5                    | 2                | 6%                            |

| Table 4 | 47(m) AM 2    | Inspections (% | %;age of total             | undertaken and | failures) by Pro | omoter by A                | ctivity Type  |               |                            |                      |                  |                            |
|---------|---------------|----------------|----------------------------|----------------|------------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Prom    | oter          |                |                            |                |                  |                            |               |               |                            |                      |                  |                            |
|         | Year 1        |                |                            |                |                  |                            |               |               |                            |                      |                  |                            |
|         | CAT A<br>Done | CAT A<br>Fail  | CAT A<br>Failure<br>Rate % | CAT B<br>Done  | CAT B Fail       | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| SGN     | 365           | 29             | 8%                         | 100            | 8                | 8%                         | 100           | 7             | 7%                         | 565                  | 44               | 8%                         |
|         | Year 2        | -              | _                          |                |                  |                            |               | -             | •                          | •                    |                  |                            |
|         | CAT A<br>Done | CAT A<br>Fail  | CAT A<br>Failure<br>Rate % | CAT B<br>Done  | CAT B Fail       | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|         | 655           | 32             | 5%                         | 104            | 14               | 13%                        | 105           | 1             | 1%                         | 864                  | 47               | 5%                         |

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| Promoter |               |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|----------|---------------|---------------|----------------------------|---------------|------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
|          | Year 1        |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|          | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| Fulcrum  | 2             | 1             | 50%                        | 0             | 0          | 0%                         | 0             | 0             | 0%                         | 2                    | 1                | 50%                        |
|          | Year 2        |               | _                          |               |            |                            |               |               | _                          |                      |                  |                            |
|          | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|          | 6             | -             | 0%                         | -             | -          |                            | 1             | -             | 0%                         | 7                    | -                | 0%                         |

| Promo | oter          |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|-------|---------------|---------------|----------------------------|---------------|------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
|       | Year 1        |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|       | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure Rate<br>% | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| SWS   | -             | -             |                            | -             | -          |                            | -             | -             |                            | -                    | -                |                            |
| 0110  | Year 2        |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|       | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure Rate<br>% | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|       | 1,498         | 23            | 2%                         | 401           | 25         | 6%                         | 415           | 17            | 4%                         | 2,314                | 65               | 3%                         |

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|         |               | ections (%;ag | je of total under          | aken and fail | ures) by Promo | oter by Acti               | vity Type     |               |                            |                      |                  |                            |
|---------|---------------|---------------|----------------------------|---------------|----------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Promote | r             |               |                            |               |                |                            |               |               |                            |                      |                  |                            |
|         | Year 1        |               |                            |               |                |                            |               |               |                            |                      |                  |                            |
|         | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure Rate<br>% | CAT B<br>Done | CAT B Fail     | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
| Verizon | -             | -             |                            | -             | -              |                            | -             | -             |                            | -                    | -                |                            |
| Venzon  | Year 2        |               | •                          |               |                | •                          | '             |               | ,                          |                      |                  |                            |
|         | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure Rate<br>% | CAT B<br>Done | CAT B Fail     | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|         | -             | -             |                            | -             | -              |                            | -             | -             |                            | -                    | -                |                            |

| Table 47(q) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type |               |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|--|---------------|---------------|----------------------------|---------------|------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Promoter   |               |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|  | Year 1        |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
| ES Pipelines   | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|  | -<br>Year 2   | -             |                            | -             | -          |                            | -             | -             |                            | -                    | -                |                            |
|  | CAT A<br>Done | CAT A<br>Fail | CAT A<br>Failure<br>Rate % | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|  | -             | -             |                            | -             | -          |                            | -             | -             |                            | -                    | -                |                            |

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| Table | Table 47(r) AM 2 Inspections (%;age of total undertaken and failures) by Promoter by Activity Type |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|-------|--|---------------|----------------------------|---------------|------------|----------------------------|---------------|---------------|----------------------------|----------------------|------------------|----------------------------|
| Prom  | oter   |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|       | Year 1   |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
| SSE   | CAT A<br>Done  | CAT A<br>Fail | CAT A<br>Failure Rate<br>% | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|       | -  | -             |                            | -             | -          |                            | -             | -             |                            | -                    | -                |                            |
| OOL   | Year 2   |               |                            |               |            |                            |               |               |                            |                      |                  |                            |
|       | CAT A<br>Done  | CAT A<br>Fail | CAT A<br>Failure Rate<br>% | CAT B<br>Done | CAT B Fail | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failure | Total<br>Failure<br>Rate % |
|       | 1  | 1             | 100%                       | -             | -          |                            | 1             | -             | 0%                         | 2                    | 1                | 50%                        |

| Table 4 | 7(s) AM 2 Ins | spections (%;a | ge of total unde           | ertaken and fai | ilures) by Pron | noter by Act               | ivity Type    |               |                            |                      |                 |                            |  |
|---------|---------------|----------------|----------------------------|-----------------|-----------------|----------------------------|---------------|---------------|----------------------------|----------------------|-----------------|----------------------------|--|
| Promo   | ter           |                |                            |                 |                 |                            |               |               |                            |                      |                 |                            |  |
|         | Year 1        |                |                            |                 |                 |                            |               |               |                            |                      |                 |                            |  |
| Total   | CAT A<br>Done | CAT A<br>Fail  | CAT A<br>Failure Rate<br>% | CAT B<br>Done   | CAT B Fail      | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failue | Total<br>Failure<br>Rate % |  |
|         | 755           | 67             | 9%                         | 283             | 19              | 7%                         | 295           | 14            | 5%                         | 1,335                | 102             | 8%                         |  |
| IOtai   | Year 2        |                |                            |                 |                 |                            |               |               |                            |                      |                 |                            |  |
|         | CAT A<br>Done | CAT A<br>Fail  | CAT A<br>Failure Rate<br>% | CAT B<br>Done   | CAT B Fail      | CAT B<br>Failure<br>Rate % | CAT C<br>Done | CAT C<br>Fail | CAT C<br>Failure<br>Rate % | Total<br>Inspections | Total<br>Failue | Total<br>Failure<br>Rate % |  |
|         | 2,851         | 123            | 4%                         | 660             | 51              | 8%                         | 684           | 22            | 3%                         | 4,194                | 195             | 5%                         |  |

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

|                | Year 1                        |            | Year 2                        |            | Year 3                        |            |  |
|----------------|-------------------------------|------------|-------------------------------|------------|-------------------------------|------------|--|
| Type           | Number of Collaborative Works | Days Saved | Number of Collaborative Works | Days Saved | Number of Collaborative Works | Days Saved |  |
| Permit         | No Data                       | No Data    | 21                            | 66         |                               |            |  |
| Trench Sharing | No Data                       | No Data    | 6                             | 27         |                               |            |  |
| Total          | 28                            | 95         | 27                            | 93         |                               |            |  |

# 7.4 AM 4 - Response Code

This information is not available at this time.

| Tab  | able 49(r) AM 4 Response Code – broken down by promoter |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pro  | omoter  | •   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|      | Year  | 1   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|      | No  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|      |   | RE  |
| l    |   | F01 | F02 | F03 | F04 | F05 | F06 | F07 | F08 | F09 | F10 | F11 | F12 | F13 | F14 | F15 | F16 | F17 | F18 | F19 | F20 | F21 | F22 | F23 |
|      | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  |
|      | Dat   | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat |
|      | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   |
|      | Year  | 2   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|      | No  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|      |   | RE  |
|      |   | F01 | F02 | F03 | F04 | F05 | F06 | F07 | F08 | F09 | F10 | F11 | F12 | F13 | F14 | F15 | F16 | F17 | F18 | F19 | F20 | F21 | F22 | F23 |
|      | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  | No  |
|      | Dat   | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat | Dat |
|      | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   | а   |
|      | Year  | 3   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|      | No  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| _    |   | RE  |
| otal |   | F01 | F02 | F03 | F04 | F05 | F06 | F07 | F08 | F09 | F10 | F11 | F12 | F13 | F14 | F15 | F16 | F17 | F18 | F19 | F20 | F21 | F22 | F23 |
| Ľ    |   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

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| Response Code Descriptions |             |
|----------------------------|-------------|
| Code                       | Description |
| REF01                      |             |
| REF02                      |             |
| REF03                      |             |
| REF04                      |             |
| REF05                      |             |
| REF06                      |             |
| REF07                      |             |
| REF08                      |             |
| REF09                      |             |
| REF10                      |             |
| REF11                      |             |
| REF12                      |             |
| REF13                      |             |
| REF14                      |             |
| REF15                      |             |
| REF16                      |             |
| REF17                      |             |
| REF18                      |             |
| REF19                      |             |
| REF20                      |             |
| REF21                      |             |
| REF22                      |             |
| REF23                      |             |

## 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. There were 622.

The Permit Authority will continue to work with Promoters to reduce the number of FPN's.

| Table    | e 50(a) AM 5 | 50(a) AM 5 FPNs (Permit Breaches) – broken down by promoter oter |       |       |       |        |        |       |       |       |        |        |       |       |       |
|----------|--------------|--|-------|-------|-------|--------|--------|-------|-------|-------|--------|--------|-------|-------|-------|
| Pron     | noter        |  |       |       |       |        |        |       |       |       |        |        |       |       |       |
| _        | Year 1       |  |       |       |       | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| BT       | 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 |
|          | 12           | 15   | 11    | 54    | 92    | 11     | 28     | 7     | 34    | 80    |        |        |       |       |       |
| внсс     | Year 1       |  |       |       |       | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| ᅵ픎       | 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 |
|          | 5            | 34   | 12    | 5     | 56    | 6      | 19     | 6     | 7     | 38    |        |        |       |       |       |
| 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 |
|          | 7            | 19   | 3     | 31    | 60    | 2      | 47     | 8     | 28    | 85    |        |        |       |       |       |
| Vodafone | Year 1       |  |       |       |       | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| da       | 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 |
| >        | -            | 3  | -     | 3     | 6     | 3      | -      | -     | 1     | 4     |        |        |       |       |       |
| NWR      | 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 |
|          | -            | -  | -     | -     | -     | -      | 1      | 1     | 1     | 3     |        |        |       |       |       |

| Table        | e 50(b) AM 5 | FPNs (Permit | t Breaches) – | broken dowi | n by promoter | -      |        |       |       |       |        |        |       |       |       |
|--------------|--------------|--------------|---------------|-------------|---------------|--------|--------|-------|-------|-------|--------|--------|-------|-------|-------|
| Pron         | noter        |              |               |             |               |        |        |       |       |       |        |        |       |       |       |
| Virgin Media | Year 1       |              |               |             |               | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| Jin N        | 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 |
| Virg         | 4            | 9            | 2             | 8           | 23            | 17     | 35     | 21    | 30    | 103   |        |        |       |       |       |
|              | Year 1       |              |               |             |               | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| 05           | 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 |
|              | -            | -            | ı             | 1           | 1             | 1      | 2      | -     | -     | 3     |        |        |       |       |       |
| ec           | Year 1       |              |               |             |               | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| Romec        | 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 |
|              | -            | -            | -             | -           | -             | -      | -      | -     | -     | 1     |        |        |       |       |       |
| S            | Year 1       |              |               |             |               | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| GТС          | 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 |
|              | -            | -            | -             | -           | -             | -      | -      | -     | -     | -     |        |        |       |       |       |
| ge           | Year 1       |              |               |             | Year 2        |        |        |       |       |       | Year 3 |        |       |       |       |
| Orange       | 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 |
|              | -            | -            | -             | -           | -             | -      | -      | -     | 1     | 1     |        |        |       |       |       |

| Table    | Table 50(c) AM 5 FPNs (Permit Breaches) – broken down by promoter  Promoter |        |       |       |       |        |        |       |       |       |        |        |       |       |       |
|----------|---|--------|-------|-------|-------|--------|--------|-------|-------|-------|--------|--------|-------|-------|-------|
| Pron     | noter   |        |       |       |       |        |        |       |       |       |        |        |       |       |       |
| orp      | Year 1  |        |       |       |       | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| Neoscorp | 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 |
| ž        | -   | 2      | -     | -     | 2     | -      | -      | -     | -     | -     |        |        |       |       |       |
| q        | Year 1  |        |       |       |       | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| T Mob    | 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 |
| ·        | ı   | 1      | -     | 1     | 1     | 1      | -      | -     | 5     | 6     |        |        |       |       |       |
| 7        | Year 1  |        |       |       |       | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| SGN      | 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 |
|          | 16  | 40     | 18    | 89    | 163   | 17     | 30     | 11    | 70    | 128   |        |        |       |       |       |
| E        | Year 1  |        |       |       |       | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| Fulcrum  | 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 |
| ш.       | 2   | 1      | -     | 1     | 4     | 1      | -      | -     | -     | 1     |        |        |       |       |       |
| S        | Year 1  |        |       |       |       | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| SWS      | 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 |
|          | 2   | 1      | -     | 1     | 4     | 20     | 50     | 18    | 80    | 168   |        |        |       |       |       |

| Table     | e 50(d) AM 5 | FPNs (Permit | Breaches) - | broken dowr | n by promoter | •      |        |       |       |       |        |        |       |       |       |
|-----------|--------------|--------------|-------------|-------------|---------------|--------|--------|-------|-------|-------|--------|--------|-------|-------|-------|
| Pron      | noter        |              |             |             |               |        |        |       |       |       |        |        |       |       |       |
| u o       | Year 1       |              |             |             |               | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| Verizon   | 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 |
|           | -            | -            | -           | -           | -             | -      | -      | -     | -     | -     |        |        |       |       |       |
| Pipelines | Year 1       |              |             |             |               | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| Pipe      | 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        | -            | -            | -           | -           | -             | -      | -      | 1     | ı     | -     |        |        |       |       |       |
|           | Year 1       |              |             |             |               | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| SSE       | 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 |
|           | -            | -            | -           | -           | -             | -      | 1      | 1     | -     | 2     |        |        |       |       |       |
| a         | Year 1       |              |             |             |               | Year 2 |        |       |       |       | Year 3 |        |       |       |       |
| Total     | 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 |
|           | 48           | 125          | 46          | 192         | 411           | 79     | 213    | 73    | 257   | 622   |        |        |       |       |       |

| Permit B | reach 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  |

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# 7.6 AM 6 - Levels of Customer Enquiries

This information is not available at this time.

| Table 51 AM 6 Levels of | Customer Enquiries |
|-------------------------|--------------------|
| Year 1                  |                    |
| Number of instances     | Type of Enquiry    |
| No Data                 | No Data            |
| Year 2                  |                    |
| Number of instances     | Type of Enquiry    |
| 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 Brighton and Hove pre-scheme and post-scheme for comparison. This is shown on Table 52 below.

For Year 1 the data shows a slight increase in journey times of 1% based on the assumption that all other network outcomes are equal.

As a caveat to this, current data is not available for a whole year, the journey time difference is reducing in latter months from 2% to 1% showing improvements. A major influence to journey time in the City is the introduction of reduction in speed limits to 20mph in 2014-15 with 753 streets in June 2014 and 309 streets in March 2015 that would mean that vehicles would take longer to travel over distances.

It is not possible to accurately measure the impact of the scheme on vehicle journey times to show a reduced daily and will be monitored at later evaluations where this is not influenced by other initiatives.

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

The data in Table 52 shows that the average journey time for Highway Authorities that do not operate a Permit Scheme stayed at 2.65 mpm from April'15 to Jul'15 and rose to 2.66 mpm in Sep'15 it dropped to 2.65 mpm in Oct'15 and Nov'15 and rose to 2.66 mpm in Dec'15.

For Brighton and Hove the average journey time in April'15 to Jun'15 was 3.73 mpm and rose to 3.74 mpm in Jul'15 to Dec'15. This would suggest there is better journey time variability in Brighton and Hove. In comparing the pre-scheme there was a steady increase from 3.63 mpm Apr'14 to 3.73 mpm in Mar'15. This would suggest that the journey time reliability is settling and less variable post-scheme.

Since September 2015 DfT purchases data about vehicle speeds and journey times from Trafficmaster.

This data is generated through in-vehicle GPS units as part of the satellite navigation and stolen vehicle tracking services Trafficmaster provides to their customers. The specific raw data used to derive the Department's journey time statistics consist of 10-second GPS location reports for these vehicles for the period during which their ignition is on.

As part of the service provided to the Department, Trafficmaster map these GPS location reports to the Ordnance Survey ITN (described earlier) and then use this information to reconstruct the routes taken by their customers as they move through the road network.

These reconstructed journeys, combined with the time stamps on the associated GPS location reports, allow Trafficmaster to estimate the time taken by these vehicles to traverse each ITN link. The data also allows journey times to be associated with a particular link direction if the ITN link in question can be traversed in either direction. Where the 10-second GPS location reports don't fall exactly on the start and end of each link, interpolation is used to estimate the time taken by the vehicles to complete each link.

Only data generated from cars, light goods vehicles and heavy goods vehicles are used to estimate journey times. All public service vehicles (e.g. buses) are excluded from the statistics as their frequent stopping/starting would report much slower journey times than actually prevailing the road.

In addition, in order to make the data representative of conditions during the most congested times, data is only included for journeys made during the morning peak, defined as 7am to 10am, and weekends and school holiday periods were excluded from the statistics.

The individual link journey times were then averaged for each ITN link and for all relevant journeys made during each month. ITN links were then matched for the representative period from September 2015 to March 2017. This process resulted in a single average journey time, in minutes, for each link.

The complete network for England consists of around 3.4 million separate 'links' and gives an extremely accurate dataset. In Brighton and Hove there are over 44,000 links with live data collected continuously. Due to the huge amount of data collected the data is aggregated to every 15 minutes AGPS (Aggregated Global Positioning System Data). For analysis data for A roads has been used as has the greatest impact with the most traffic flow.

For Year 2 Table 52 shows a slight increase of 0.2% on journey times based on the assumption that all other network outcomes are equal. Although traffic flow levels are 1% lower on 58(d) the permit volumes have increased considerably by 50% between Yr1 and Yr2 that would significantly increase the amount of delay experienced. We are able to make an assumption on how the permit scheme has been performing based on the expectation that the permit scheme is expected to reduce delay by 5% and the expected improvement of 0.17% in journey time savings as described in Section 3.4. If the permits have increased by 50% using this hypothesis we would expect that journey times would increase by 1.53%. Therefore with an increase of only 0.2% would suggest that the permit scheme is performing well. If we look at the journey

time reliability this shows a steady increase from 2.61 mpm in April 2016 to 2.64 mpm in July 2016, from September to December 2016 there are higher increases after which journey time decreases to April levels and then decrease further.

| Table 52(a) | ) AM 7 Average | Journey Time  | es & AM 8 Jour | ney Time R    | eliability |            |            |           |           |          |            |             |              |            |        |
|-------------|----------------|---------------|----------------|---------------|------------|------------|------------|-----------|-----------|----------|------------|-------------|--------------|------------|--------|
| Year 1      |                |               |                |               |            |            |            |           |           |          |            |             |              |            |        |
|             |                |               |                | Ave           | rage jourr | ney time ( | minutes    | per mile) | (Source I | OfT Con  | gestion    | & Reliab    | ility Statis | stics Tabl | le     |
| Region      | Local Author   |               | DNS area       |               | Apr-       | May-       | Jun-       | Jul-      | Sep       | Oct-     | Nov-       |             | Jan-         | Feb-       | Mar-   |
|             |                | С             | ode            |               | 14         | 14         | 14         | 14        | 14        | 14       | 14         | 14          | 15           | 15         | 15     |
|             |                |               |                |               |            |            |            |           |           | e-schem  |            |             |              | •          |        |
| SOUTH       |                |               | 12000008 (J)   | AJT           | 2.25       | 2.26       | 2.26       | 2.27      | 2.27      | 2.28     | 2.29       | 2.30        | 2.30         | 2.30       | 2.31   |
| EAST        | Isle of Wight  |               | 06000046       | AJT           | 2.45       | 2.46       | 2.46       | 2.46      | 2.46      | 2.46     | 2.46       | 2.46        | 2.45         | 2.45       | 2.45   |
|             | Medway UA      |               | 06000035       | AJT           | 2.34       | 2.35       | 2.35       | 2.34      | 2.36      | 2.36     | 2.36       | 2.36        | 2.37         | 2.36       | 2.37   |
|             | Portsmouth l   | JA E          | 06000044       | AJT           | 3.54       | 3.54       | 3.55       | 3.57      | 3.56      | 3.57     | 3.61       | 3.61        | 3.63         | 3.63       | 3.62   |
|             | Reading UA     | E             | 06000038       | AJT           | 4.37       | 4.37       | 4.38       | 4.40      | 4.39      | 4.40     | 4.39       | 4.38        | 4.34         | 4.26       | 4.26   |
|             | Windsor and    | E             | 06000040       | AJT           | 2.41       | 2.43       | 2.44       | 2.44      | 2.43      | 2.44     | 2.45       | 2.45        | 2.46         | 2.44       | 2.43   |
|             | Hampshire      | E             | 10000014       | AJT           | 1.93       | 1.94       | 1.94       | 1.94      | 1.94      | 1.94     | 1.94       | 1.95        | 1.96         | 1.96       | 1.97   |
|             | Oxfordshire    | E             | 10000025       | AJT           | 1.98       | 1.98       | 1.99       | 1.99      | 2.01      | 2.02     | 2.04       | 2.04        | 2.04         | 2.04       | 2.04   |
|             | West Sussex    |               | 10000032       | AJT           | 1.97       | 1.97       | 1.97       | 1.97      | 1.98      | 1.98     | 1.99       | 1.99        | 1.99         | 1.99       | 2.00   |
|             | Total Avera    | ge Non-permit | ted            |               | 2.62       | 2.63       | 2.64       | 2.64      | 2.64      | 2.65     | 2.66       | 2.66        | 2.66         | 2.64       | 2.64   |
|             | Brighton an    |               | 06000043       | AJT           | 3.63       | 3.65       | 3.66       | 3.66      | 3.67      | 3.68     | 3.69       | 3.70        | 3.72         | 3.72       | 3.73   |
| Table 52(b  | ) AM 7 Average | Journey Time  | es & AM 8 Jou  | rney Time R   | eliability |            |            |           |           |          |            |             |              |            |        |
| Year 1      |                |               |                |               |            |            |            |           |           |          |            |             |              |            |        |
|             |                |               | Average        | e journey tin | ne (minute | es per mi  | le) (Sourc |           |           | & Relial | bility Sta | atistics Ta | able CGN     | 10206b) A  | verage |
| Region      | Local          | ONS area co   | ode            | Apr-          | May-       | Jun-       | Jul-       | Sep-15    | Oct-1     | 5 No     | v-15       | Dec-15      | Jan-         | Feb-       | Mar-   |
|             | Authority      |               |                | 15            | 15         | 15         | 15         | р         |           | р        | р          | р           | 16           | 16         | 16     |
|             |                |               |                |               |            |            |            |           | Post-sch  |          |            |             |              |            |        |
| SOUTH       |                | E12000008 (   |                | 2.31          | 2.32       | 2.32       | 2.33       | 2.33      | 2.33      | 2.3      | 33         | 2.33        |              |            |        |
| EAST        |                |               | %              | 1.03          | 1.03       | 1.03       | 1.03       | 1.03      | 1.02      | 1.0      | 02         | 1.01        |              |            |        |
|             | Isle of        | E06000046     | AJT            | 2.45          | 2.45       | 2.45       | 2.45       | 2.45      | 2.46      | 2.4      | 47         | 2.47        | ъ.           |            |        |
|             | Wight UA       | (00MW)        | %              | 1.00          | 1.00       | 1.00       | 1.00       | 1.00      | 1.00      | 1.0      | 00         | 1.00        | Data         | not availa | apie   |
|             | Medway         | E06000035     | AJT            | 2.37          | 2.37       | 2.37       | 2.38       | 2.38      | 2.39      | 2.4      | 40         | 2.42        |              |            |        |
|             | UA (00LC)      |               | %              | 1.01          | 1.01       | 1.01       | 1.02       | 1.01      | 1.01      | 1.0      | 02         | 1.03        |              |            |        |
|             |                |               | AJT            | 3.62          | 3.61       | 3.60       | 3.59       | 3.59      | 3.56      | 3.       | 54         | 3.54        |              |            |        |

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|         | E06000044 | %   | 1.02 | 1.02 | 1.01 | 1.01 | 1.01 | 1.00 | 0.98 | 0.98 |
|---------|-----------|-----|------|------|------|------|------|------|------|------|
| Reading | E06000038 | AJT | 4.31 | 4.34 | 4.35 | 4.35 | 4.36 | 4.36 | 4.36 | 4.36 |
| UA      | (00MC)    | %   | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 1.00 |
| Windsor | E06000040 | AJT | 2.42 | 2.41 | 2.40 | 2.40 | 2.41 | 2.41 | 2.42 | 2.41 |
| and     | (00ME)    | %   | 1.00 | 0.99 | 0.98 | 0.98 | 0.99 | 0.99 | 0.99 | 0.98 |

| Table 52<br>Year 1 | (c) AM 7 Aver      | age Journey Times      | & AM 8 Journey | / Time Rel | iability   |            |            |             |             |                 |             |            |              |            |
|--------------------|--------------------|------------------------|----------------|------------|------------|------------|------------|-------------|-------------|-----------------|-------------|------------|--------------|------------|
| I ear I            |                    |                        | Average jou    | rney time  | •          | , ,        |            |             |             | ility Statistic |             | N0206b) A  | verage jou   | rney       |
| Region             | Local<br>Authority | ONS area code          |                | Apr-<br>15 | May-<br>15 | Jun-<br>15 | Jul-<br>15 | Sep-15<br>p | Oct-15<br>p | Nov-15<br>p     | Dec-15<br>p | Jan-<br>16 | Feb-<br>16   | Mar-<br>16 |
|                    |                    |                        |                |            |            |            |            |             | Post-schen  | ne              |             |            |              |            |
|                    | Hampshire          | E10000014 (24)         | AJT (mpm)      | 1.97       | 1.98       | 1.99       | 1.99       | 2.00        | 2.01        | 2.01            | 2.01        |            |              |            |
|                    |                    |                        | % Compare      | 1.02       | 1.02       | 1.03       | 1.03       | 1.03        | 1.04        | 1.04            | 1.03        |            |              |            |
|                    | Oxfordshir         | E10000025 (38)         | AJT (mpm)      | 2.05       | 2.05       | 2.05       | 2.05       | 2.04        | 2.03        | 2.02            | 2.02        |            |              |            |
|                    | е                  |                        | % Compare      | 1.04       | 1.04       | 1.03       | 1.03       | 1.01        | 1.00        | 0.99            | 0.99        |            |              |            |
|                    | West               | E10000032 (45)         | AJT (mpm)      | 2.00       | 2.00       | 2.00       | 2.01       | 2.01        | 2.01        | 2.01            | 2.01        |            |              |            |
|                    | Sussex             |                        | % Compare      | 1.02       | 1.02       | 1.02       | 1.02       | 1.02        | 1.02        | 1.01            | 1.01        | Data       | a not availa | ble        |
|                    | Total Avera        | ge Non-permitted       |                | 2.65       | 2.65       | 2.65       | 2.65       | 2.66        | 2.65        | 2.65            | 2.66        |            |              |            |
|                    | % Compare          | Compared to pre-scheme |                | 1.01       | 1.01       | 1.01       | 1.01       | 1.01        | 1.00        | 1.00            | 1.00        |            |              |            |
|                    | Brighton and Hove  | E06000043<br>(00ML)    | AJT (mpm)      | 3.73       | 3.73       | 3.73       | 3.74       | 3.74        | 3.74        | 3.74            | 3.74        |            |              |            |
|                    | UA                 | (001112)               | % Compare      | 1.03       | 1.02       | 1.02       | 1.02       | 1.02        | 1.02        | 1.01            | 1.01        |            |              |            |
|                    | % Average          | Journey Time inci      | rease/decrease | -0.02      | -0.01      | -0.01      | -0.02      | -0.01       | -0.01       | -0.01           | -0.01       |            |              |            |

| Table 52(d) AM                                       | 7 Average Jo  | ourney Times &  | AM 8 Jou    | rney Time | Reliability | ,         |           |            |             |             |            |             |       |       |
|--|---------------|-----------------|-------------|-----------|-------------|-----------|-----------|------------|-------------|-------------|------------|-------------|-------|-------|
| Year 2   |               |                 |             |           |             |           |           |            |             |             |            |             |       |       |
| Av   | verage journe | y time (minute: | s per mile) | (Source T | rafficmast  | ter AGPS) | Average j | ourney tin | nes all vel | hicles on l | ocally mar | naged 'A' r | oads: |       |
| Local  | ONS area      |                 | Apr-        | May-      | Jun-        | Jul-      | Aug-      | Sep-       | Oct-        | Nov-        | Dec-       | Jan-        | Feb-  | Mar-  |
| Authority  | code          |                 | 15          | 15        | 15          | 15        | 15        | 15         | 15          | 15          | 15         | 16          | 16    | 16    |
|  |               |                 |             |           |             |           |           | Post-s     | cheme       |             |            |             |       |       |
| Brighton and   | E0600004      | AJT (mpm)       | -           | -         | -           | -         | -         | 2.62       | 2.64        | 2.65        | 2.62       | 2.64        | 2.60  | 2.59  |
| Hove UA 3 (00ML) % 0.99 1.00 1.00 0.99 1.00 0.98 0.9 |               |                 |             |           |             |           |           |            | 0.98        |             |            |             |       |       |
| % Ave  | rage Journey  | Time            | -           |           | -           | -         | -         | 0.02       | 0.00        | 0.00        | 0.04       | 0.01        | 0.04  | 0.05  |
| Local  | ONS area      |                 | Apr-        | May-      | Jun-        | Jul-      | Aug-      | Sep-       | Oct-        | Nov-        | Dec-       | Jan-        | Feb-  | Mar-  |
| Authority  | code          |                 |             |           |             |           |           | Post-s     | cheme       |             |            |             |       |       |
| Brighton and   | E0600004      | AJT (mpm)       | 2.61        | 2.63      | 2.63        | 2.64      | 2.63      | 2.69       | 2.65        | 2.69        | 2.67       | 2.61        | 2.60  | 2.59  |
| Hove UA  | 3 (00ML)      | %               | 1.00        | 1.00      | 1.00        | 1.01      | 1.00      | 1.02       | 1.00        | 1.01        | 1.02       | 0.99        | 1.00  | 1.00  |
| % Ave  | rage Journey  | Time            | 0.03        | 0.02      | 0.01        | 0.01      | 0.02      | -0.03      | -0.00       | -0.01       | -0.03      | 0.01        | -0.02 | -0.01 |
| Total  |               |                 |             |           |             |           |           | -0.2       | 0%          |             |            |             |       |       |

### 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 2010-2014 PIA that shows an annual average reduction of 27 collisions or 2 per month.

The actual data as shown on Table 53 below shows that there has been a decrease of 2% in collisions compared to the 2014 collisions but an increase of 2% based on the predicted trends.

It should be noted that there is a large fluctuation in collisions in 2013 there were 738 collisions and this rose to 793 in 2014. In 2015 this dropped 778 and the permit scheme with other interventions has contributed to collision reduction in the city.

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.

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For Year 2 on Table 53(b) the collision data shows that there has been no reduction in collisions in comparing 2016 to 2015 data but a 4% increase against predicted trends. There is no conclusion that can be drawn from this analysis based on the large increase in works in 2016 on the network.

| Table 53(a) Al | VI 9 Road Traffic | Collisions |       |            |       |        |
|----------------|-------------------|------------|-------|------------|-------|--------|
| Year 1         |                   |            |       |            |       |        |
| Previous Yea   | ır                | Predicted* |       | Actual     |       |        |
| Month-Year     | Total             | Month-Year | Total | Month-Year | Total | % Diff |
| Jan-14         | 56                | Jan-15     | 54    | Jan-15     | 73    |        |
| Feb-14         | 41                | Feb-15     | 40    | Feb-15     | 47    |        |
| Mar-14         | 56                | Mar-15     | 54    | Mar-15     | 59    |        |
| Apr-14         | 60                | Apr-15     | 58    | Apr-15     | 76    | 131%   |
| May-14         | 73                | May-15     | 71    | May-15     | 62    | 88%    |
| Jun-14         | 74                | Jun-15     | 71    | Jun-15     | 65    | 91%    |
| Jul-14         | 84                | Jul-15     | 81    | Jul-15     | 71    | 88%    |
| Aug-14         | 64                | Aug-15     | 62    | Aug-15     | 61    | 99%    |
| Sep-14         | 75                | Sep-15     | 72    | Sep-15     | 77    | 106%   |
| Oct-14         | 83                | Oct-15     | 80    | Oct-15     | 62    | 77%    |
| Nov-14         | 65                | Nov-15     | 63    | Nov-15     | 66    | 105%   |
| Dec-14         | 62                | Dec-15     | 60    | Dec-15     | 59    | 99%    |
| Total          | 793               | Total      | 766   | Total      | 778   | 102%   |

| Year 2       |       |            |       |            |       |        |
|--------------|-------|------------|-------|------------|-------|--------|
| Previous Yea | ır    | Predicted  |       | Actual     |       |        |
| Month-Year   | Total | Month-Year | Total | Month-Year | Total | % Diff |
| Jan-15       | 73    | Jan-16     | 70    | Jan-16     | 66    | 94%    |
| Feb-15       | 47    | Feb-16     | 45    | Feb-16     | 51    | 113%   |
| Mar-15       | 59    | Mar-16     | 57    | Mar-16     | 59    | 104%   |
| Apr-15       | 76    | Apr-16     | 73    | Apr-16     | 63    | 86%    |
| May-15       | 62    | May-16     | 60    | May-16     | 63    | 105%   |
| Jun-15       | 65    | Jun-16     | 63    | Jun-16     | 60    | 95%    |
| Jul-15       | 71    | Jul-16     | 69    | Jul-16     | 81    | 117%   |
| Aug-15       | 61    | Aug-16     | 59    | Aug-16     | 57    | 97%    |
| Sep-15       | 77    | Sep-16     | 74    | Sep-16     | 65    | 88%    |
| Oct-15       | 62    | Oct-16     | 60    | Oct-16     | 74    | 123%   |
| Nov-15       | 66    | Nov-16     | 64    | Nov-16     | 81    | 127%   |
| Dec-15       | 59    | Dec-16     | 57    | Dec-16     | 59    | 104%   |
| Total        | 778   | Total      | 751   | Total      | 779   | 104%   |

#### 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 that identifies 63 locations as shown on Table 54 and 55 with traffic flows by vehicle type. For comparison data has been collected from Brighton and Hove ATC sites to compare to the DfT data. Both data sets show that traffic levels have not increased from 2014 to 2015.

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 decrease in traffic speed of 1% and may be an effect of the implementation of the 20 mph zone.

Due to the differences in the emission profiles of vehicles the carbon emissions have decreased by 6%. The total distance travelled in 2014 was 1,015 million vehicle kilometres (mvkm) and based on the DfT sample data traffic proportions would equate to 137 thousand tonnes of CO2. A 6% saving in monetary terms would be 8.6 thousand tonnes that equals £503k. The permit scheme with other interventions has made a positive outcome for Brighton and Hove.

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

For Year 2 Table 56 so a reduction in traffic speed of 1.8% from 2015 to 2016.

Carbon Emissions are shown on Table 58(b) and show an increase of 4% due to an increase in the number of cars and hgvs on the network.

| Ref |       |        |                   |       |                  | DfT Tra | ffic Count S | Sites                |                                   |                      |
|-----|-------|--------|-------------------|-------|------------------|---------|--------------|----------------------|-----------------------------------|----------------------|
| No  | СР    | Region | Local Authority   | Road  | Road<br>Category | Easting | Northing     | Start Junction       | End Junction                      | Link<br>Length<br>km |
| 1   | 6273  | South  | Brighton and Hove | A23   | PU               | 531360  | 104230       | A23 Old Steine       | A23 Gloucester Place/Grand Parade | 0.50                 |
| 2   | 6299  | South  | Brighton and Hove | A2010 | PU               | 530970  | 105000       | A259                 | A270                              | 2.00                 |
| 3   | 7551  | South  | Brighton and Hove | A2023 | PU               | 528400  | 105000       | A259 KINGSWAY        | A270                              | 1.50                 |
| 4   | 7762  | South  | Brighton and Hove | A270  | PU               | 531000  | 105400       | A2010                | A270                              | 0.67                 |
| 5   | 8687  | South  | Brighton and Hove | A270  | PU               | 526486  | 105809       | A293                 | A2038                             | 0.20                 |
| 6   | 16805 | South  | Brighton and Hove | A259  | PU               | 528000  | 104500       | B2193                | A2023                             | 2.40                 |
| 7   | 17517 | South  | Brighton and Hove | A2038 | PU               | 527000  | 106500       | A270                 | A2023                             | 2.20                 |
| 8   | 18236 | South  | Brighton and Hove | A270  | PU               | 532000  | 105739       | A23                  | A270 Lewes Road                   | 0.77                 |
| 9   | 26303 | South  | Brighton and Hove | A270  | PU               | 530000  | 105500       | A2023                | A2010                             | 2.10                 |
| 10  | 27602 | South  | Brighton and Hove | A2023 | PU               | 528010  | 107000       | A270                 | A2038                             | 1.40                 |
| 11  | 36871 | South  | Brighton and Hove | A259  | PU               | 530000  | 104180       | A2023                | A2010                             | 2.70                 |
| 12  | 37642 | South  | Brighton and Hove | A2038 | PR               | 528500  | 107900       | A2023                | A27                               | 1.30                 |
| 13  | 38765 | South  | Brighton and Hove | A293  | PU               | 526370  | 106000       | A270                 | Hangleton Lane                    | 1.10                 |
| 14  | 46301 | South  | Brighton and Hove | A270  | PU               | 528000  | 105950       | A2038                | A2023                             | 1.90                 |
| 15  | 47895 | South  | Brighton and Hove | A259  | PU               | 531000  | 103930       | A2010                | A23                               | 0.60                 |
| 16  | 48748 | South  | Brighton and Hove | A23   | PR               | 530100  | 108920       | Church Hill          | A27 spur                          | 0.40                 |
| 17  | 56267 | South  | Brighton and Hove | A270  | PU               | 532210  | 106000       | A270 Fork            | A27                               | 4.00                 |
| 18  | 56277 | South  | Brighton and Hove | A23   | PU               | 531400  | 105000       | A23 St Peter's Place | A270                              | 0.50                 |

| Table 5 | 4(b) AM | 10 Carbon Em | nissions - DfT Traffic | Count S | Sites            |         |              |                   |                            |                       |
|---------|---------|--------------|------------------------|---------|------------------|---------|--------------|-------------------|----------------------------|-----------------------|
| Ref     |         |              |                        |         |                  | DfT Tra | ffic Count S | Sites             |                            |                       |
| No      | СР      | Region       | Local Authority        | Road    | Road<br>Category | Easting | Northing     | Start Junction    | End Junction               | Link<br>Length<br>_km |
| 19      | 5767    | South        | Brighton and           |         | PU               | 532000  | 105555       | A279 Upper Lewes  | A23 St. Peters Place       | 1.10                  |
| 20      | 7038    | South        | Brighton and           | A23     | PU               | 531000  | 105590       | A270              | A23                        | 0.40                  |
| 21      | 7038    | South        | Brighton and           | A23     | PU               | 531100  | 105660       | A270              | A23                        | 0.80                  |
| 22      | 7315    | South        | Brighton and           |         | PU               | 533030  | 103490       | A23               | B2137                      | 2.10                  |
| 23      | 7315    | South        | Brighton and           |         | PU               | 525812  | 104960       | LA Boundary       | B2193                      | 0.20                  |
| 24      | 7482    | South        | Brighton and           | A23     | PU               | 531240  | 104000       | A259              | A23 merge                  | 0.30                  |
| 25      | 7482    | South        | Brighton and           | A23     | PU               | 531350  | 104000       | A259              | A23 merge                  | 0.20                  |
| 26      | 7482    | South        | Brighton and           | A23     | PU               | 531400  | 104600       | A23 Marlborough   | A23 St Georges Place       | 0.20                  |
| 27      | 7482    | South        | Brighton and           | A23     | PU               | 531450  | 104620       | A23 Marlborough   | A23 Richmond Place         | 0.30                  |
| 28      | 7482    | South        | Brighton and           | A23     | PU               | 531450  | 104720       | A23 St George's   | A23 Richmond Place         | 0.10                  |
| 29      | 7482    | South        | Brighton and           | A23     | PU               | 531410  | 104850       | A23 Gloucester    | A23 St Peter's Place       | 0.30                  |
| 30      | 7483    | South        | Brighton and           | A23     | PU               | 531480  | 104850       | A23 Grand Parade  | A270 Lewes Road            | 0.20                  |
| 31      | 7483    | South        | Brighton and           | A23     | PU               | 531470  | 104950       | A23 York Place    | A23 Richmond Place         | 0.10                  |
| 32      | 7823    | South        | Brighton and           |         | PR               | 535500  | 102770       | B2137 Arundel Rd, | B2123 High Dt, Rottingdean | 3.80                  |
| 33      | 7823    | South        | Brighton and           |         | PU               | 537500  | 102070       | B2123 High St,    | LA Boundary                | 1.40                  |
| 34      | 7823    | South        | Brighton and           | A23     | PU               | 530150  | 107000       | Stanford Avenue   | Church Hill                | 3.50                  |

| Ref | +(C) AIVI II | Carbon | Emissions - DfT Traffi |                      | OfT Traffic C    | ount Sites |          |                   |                  |                       |
|-----|--------------|--------|------------------------|----------------------|------------------|------------|----------|-------------------|------------------|-----------------------|
| No  | СР           | Region | Local Authority        | Road                 | Road<br>Category | Easting    | Northing | Start Junction    | End Junction     | Link<br>Length<br>_km |
| 35  | 78239        | South  | Brighton and Hove      | A293                 | PR               | 526150     | 107000   | Hangleton Lane    | A27              | 0.70                  |
| 36  | 80481        | South  | Brighton and Hove      | A270                 | PU               | 531137     | 105254   | A270-New England  | A23 London Road  | 0.66                  |
| 37  | 80482        | South  | Brighton and Hove      | A23                  | PU               | 531493     | 105172   | A270-Upper Lewes  | A270             | 0.44                  |
| 38  | 80485        | South  | Brighton and Hove      | A270                 | PU               | 531330     | 105410   | A23               | A270             | 0.30                  |
| 39  | 80486        | South  | Brighton and Hove      | A270                 | PU               | 531090     | 105440   | A270              | A23              | 0.13                  |
| 40  | 81100        | South  | Brighton and Hove      | A270                 | PU               | 526110     | 105840   | A293              | A293             | 0.70                  |
| 41  | 81101        | South  | Brighton and Hove      | A270                 | PU               | 525510     | 105850   | LA Boundary       | A293             | 0.40                  |
| 42  | 81102        | South  | Brighton and Hove      | A293                 | PU               | 525800     | 105450   | A270              | A259             | 0.90                  |
| 43  | 94479        | South  | Brighton and Hove      | B2066 (Western Road) | BU               | 529319     | 104660   | The Drive         | Montpelier Road  | 1.10                  |
| 44  | 94479        | South  | Brighton and Hove      | C (Warren Road)      | CR               | 533236     | 105440   | A270              | Bear Road        | 2.00                  |
| 45  | 94479        | South  | Brighton and Hove      | C (Dyke Road Avenue) | CU               | 528744     | 107937   | A2038             | A270             | 3.30                  |
| 46  | 94480        | South  | Brighton and Hove      | C (Stanford Avenue)  | CU               | 531340     | 106398   | A23               | Ditchling Road   | 1.00                  |
| 47  | 94480        | South  | Brighton and Hove      | U (Hythe Road)       | UU               | 531224     | 106645   | Lowther Road      | Ditchling Road   | 0.40                  |
| 48  | 94480        | South  | Brighton and Hove      | U (Brownleaf Road)   | UU               | 536326     | 104901   | B2123 Falmer Road | Broad Green      | 0.50                  |
| 49  | 94480        | South  | Brighton and Hove      | U (Elrington Road)   | UU               | 529444     | 106228   | Hove Park Road    | The Droveway     | 0.20                  |
| 50  | 94481        | South  | Brighton and Hove      | U (Saltdean Park     | UU               | 538105     | 102061   | A259              | Arundel Drive    | 0.30                  |
| 51  | 94481        | South  | Brighton and Hove      | U (Barrhill Avenue)  | UU               | 530601     | 109071   | Warmdene Avenue   | Craignair Avenue | 0.40                  |
| 52  | 94481        | South  | Brighton and Hove      | U (Ladies Mile Road) | UU               | 530946     | 108829   | Warmdene Road     | Dale Crescent    | 0.35                  |

| Table 54 | 4(d) AM 10 | Carbon Emi | ssions - DfT Traffic C | ount Sites            |                  |          |          |                   |                |                      |
|----------|------------|------------|------------------------|-----------------------|------------------|----------|----------|-------------------|----------------|----------------------|
| Ref      |            |            |                        | DfT                   | Traffic Cour     | nt Sites |          |                   |                |                      |
| No       | СР         | Region     | Local Authority        | Road                  | Road<br>Category | Easting  | Northing | Start Junction    | End Junction   | Link<br>Length<br>km |
| 53       | 94481      | South      | Brighton and Hove      | U (Channel View Road) | UU               | 534774   | 105707   | Warren Road       | Warren Rise    | 0.40                 |
| 54       | 94481      | South      | Brighton and Hove      | U (Gladstone Road)    | UU               | 525689   | 105359   | Gardner Road      | B2193 Church   | 0.26                 |
| 55       | 94481      | South      | Brighton and Hove      | U (Stafford Road)     | UU               | 530394   | 105610   | Port Hall Road    | Buxton Road    | 0.24                 |
| 56       | 94481      | South      | Brighton and Hove      | U (Lenham Avenue)     | UU               | 537840   | 102539   | Chorley Avenue    | Saltdean Drive | 0.60                 |
| 57       | 94481      | South      | Brighton and Hove      | U (Second Avenue)     | UU               | 529181   | 104520   | A259 KINGSWAY     | Western Road   | 0.35                 |
| 58       | 94482      | South      | Brighton and Hove      | U (Northease Drive)   | UU               | 526756   | 106898   | Hangleton Way     | Poplar Avenue  | 0.45                 |
| 59       | 94482      | South      | Brighton and Hove      | U (Chalfont Drive)    | UU               | 529333   | 107121   | Dyke Road Avenue  | Dyke Road      | 0.35                 |
| 60       | 94483      | South      | Brighton and Hove      | U (Crescent Drive     | UU               | 536536   | 105233   | Downs Valley Road | Cowley Drive   | 0.50                 |
| 61       | 94483      | South      | Brighton and Hove      | U (Buckingham Road)   | UU               | 530781   | 104740   | Leopold Road      | Albert Road    | 0.16                 |
| 62       | 94483      | South      | Brighton and Hove      | U (Old London Road)   | UU               | 530216   | 108764   | Ladies Mile Road  | A23 London     | 0.17                 |
| 63       | 94483      | South      | Brighton and Hove      | U (Danehill Road)     | UU               | 533808   | 104388   | Wilson Avenue     | Ticehurst Road | 0.08                 |
|          |            |            |                        |                       | •                |          | •        |                   | Totals         | 58.58                |

| Table     | e 55(a) AM      | 10 Carbo        | n Emissi      | ons - Traffic | c Count Data           |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|-----------------|-----------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |                 |               |               |                        |                    | Year 1             |                       |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | 2014 Flow [        |                       |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | Pre-scher          | _                     |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc<br>ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 1         | 1,182           | 345             | 14,52         | 2,083         | 2,936                  | 218                | 64                 | 19                    | 26                    | 14                 | 10                       | 351         | 20,241            |
| 2         | 323             | 114             | 8,257         | 383           | 1,810                  | 92                 | 7                  | 3                     | -                     | 1                  | -                        | 103         | 10,666            |
| 3         | 141             | 35              | 6,823         | 226           | 1,340                  | 109                | 12                 | 13                    | 2                     | 7                  | 5                        | 148         | 8,571             |
| 4         | 691             | 314             | 12,24         | 90            | 3,684                  | 245                | 64                 | 21                    | 2                     | 6                  | 3                        | 342         | 16,674            |
| 5         | 178             | 322             | 22,80         | 309           | 4,111                  | 203                | 41                 | 28                    | 17                    | 34                 | 31                       | 353         | 27,896            |
| 6         | 1,843           | 393             | 16,36         | 165           | 3,270                  | 321                | 73                 | 140                   | 5                     | 10                 | 21                       | 570         | 20,760            |
| 7         | 72              | 83              | 9,759         | 85            | 1,949                  | 129                | 24                 | 1                     | 1                     | 5                  | 2                        | 162         | 12,038            |
| 8         | 893             | 194             | 5,125         | 26            | 1,281                  | 71                 | 17                 | 11                    | 1                     | 1                  | 2                        | 104         | 6,730             |
| 9         | 195             | 295             | 12,64         | 50            | 2,643                  | 127                | 29                 | 4                     | 1                     | 2                  | 1                        | 165         | 15,794            |
| 10        | 14              | 56              | 6,041         | 15            | 1,194                  | 147                | 17                 | 26                    | 6                     | 11                 | 6                        | 213         | 7,520             |
| 11        | 1,833           | 503             | 20,90         | 107           | 4,245                  | 235                | 69                 | 100                   | 5                     | 8                  | 7                        | 423         | 26,183            |
| 12        | 18              | 187             | 18,27         | 48            | 3,874                  | 254                | 39                 | 42                    | 10                    | 29                 | 17                       | 390         | 22,779            |
| 13        | 36              | 134             | 19,04         | 233           | 3,162                  | 299                | 63                 | 256                   | 24                    | 76                 | 146                      | 863         | 23,432            |
| 14        | 145             | 216             | 18,08         | 193           | 3,732                  | 155                | 27                 | 13                    | 6                     | 17                 | 12                       | 230         | 22,452            |
| 15        | 1,223           | 595             | 26,31         | 137           | 4,771                  | 363                | 60                 | 54                    | 11                    | 9                  | 6                        | 503         | 32,317            |
| 16        | 68              | 204             | 20,61         | 257           | 3,821                  | 270                | 55                 | 24                    | 18                    | 35                 | 31                       | 432         | 25,324            |
| 17        | 940             | 325             | 15,90         | 736           | 3,876                  | 221                | 61                 | 25                    | 11                    | 16                 | 33                       | 368         | 21,205            |
| 18        | 651             | 53              | 4,489         | 1,255         | 871                    | 91                 | 18                 | 17                    | 4                     | 12                 | 2                        | 144         | 6,812             |

| Table     | 55(b) AM        | 10 Carbo     | n Emissi      | ons - Traffic | c Count Data           |                    |                    |                    |                       |                    |                          |             |                   |
|-----------|-----------------|--------------|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |              |               |               |                        |                    | Year 1             |                    |                       |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | 2014 Flow D        | Data               |                       |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | Pre-scher          | ne                 |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxl<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 19        | 1,472           | 312          | 11,07         | 723           | 2,929                  | 181                | 45                 | 10                 | 1                     | 1                  | 3                        | 240         | 15,274            |
| 20        | 287             | 227          | 9,368         | 248           | 2,058                  | 169                | 29                 | 21                 | 6                     | 18                 | 9                        | 253         | 12,155            |
| 21        | 530             | 156          | 11,74         | 292           | 2,437                  | 185                | 37                 | 14                 | 5                     | 10                 | 16                       | 266         | 14,895            |
| 22        | 203             | 228          | 16,50         | 406           | 2,965                  | 154                | 30                 | 9                  | 6                     | 10                 | 5                        | 214         | 20,315            |
| 23        | 324             | 332          | 13,70         | 220           | 3,434                  | 426                | 88                 | 65                 | 10                    | 19                 | 17                       | 625         | 18,318            |
| 24        | 406             | 121          | 6,322         | 649           | 1,039                  | 123                | 26                 | 5                  | 22                    | 5                  | 7                        | 188         | 8,319             |
| 25        | 406             | 121          | 6,322         | 649           | 1,039                  | 123                | 26                 | 5                  | 22                    | 5                  | 7                        | 188         | 8,319             |
| 26        | 500             | 217          | 9,667         | 1,384         | 1,954                  | 189                | 44                 | 14                 | 14                    | 13                 | 7                        | 281         | 13,501            |
| 27        | 770             | 165          | 10,84         | 56            | 2,882                  | 199                | 47                 | 27                 | 4                     | 9                  | 10                       | 297         | 14,244            |
| 28        | 500             | 217          | 9,667         | 1,384         | 1,954                  | 189                | 44                 | 14                 | 14                    | 13                 | 7                        | 281         | 13,501            |
| 29        | 457             | 45           | 5,571         | 1,222         | 1,157                  | 126                | 26                 | 13                 | 6                     | 11                 | 7                        | 189         | 8,185             |
| 30        | 1,703           | 358          | 15,49         | 356           | 3,419                  | 279                | 46                 | 34                 | 6                     | 10                 | 19                       | 394         | 20,017            |
| 31        | 319             | 84           | 9,220         | 200           | 1,527                  | 118                | 18                 | 9                  | 2                     | 10                 | 9                        | 166         | 11,197            |
| 32        | 83              | 419          | 20,67         | 515           | 3,486                  | 240                | 47                 | 33                 | 10                    | 16                 | 26                       | 372         | 25,468            |
| 33        | 56              | 378          | 19,67         | 418           | 4,035                  | 293                | 40                 | 172                | 3                     | 5                  | 7                        | 519         | 25,025            |
| 34        | 321             | 289          | 18,76         | 372           | 3,861                  | 241                | 56                 | 21                 | 28                    | 35                 | 42                       | 422         | 23,711            |
| 35        | 33              | 122          | 17,32         | 212           | 2,877                  | 272                | 58                 | 233                | 22                    | 69                 | 133                      | 786         | 21,323            |
| 36        | 587             | 159          | 8,686         | 74            | 1,361                  | 91                 | 9                  | 2                  | 6                     | 3                  | 1                        | 112         | 10,391            |

| Table     | 55(c) AM  | 10 Carbo     | n Emissi      | ons - Traffic | Count Data             |                    |                    |                    |                       |                    |                          |             |                   |
|-----------|---|--------------|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           | <del>- \                                   </del> |              |               |               |                        |                    | Year 1             |                    |                       |                    |                          |             |                   |
|           |   |              |               |               |                        |                    | 2014 Flow D        | ata                |                       |                    |                          |             |                   |
|           | Pre-scheme Pre-scheme                             |              |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles                                   | Motorc ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAx<br>leArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 37        | 327   | 163          | 8,055         | 438           | 1,224                  | 110                | 22                 | 14                 | 13                    | 6                  | 13                       | 179         | 10,059            |
| 38        | 268   | 243          | 11,85         | 61            | 2,459                  | 139                | 27                 | 12                 | 14                    | 11                 | 10                       | 214         | 14,828            |
| 39        | 1,254   | 287          | 11,37         | 59            | 2,514                  | 125                | 19                 | 13                 | 4                     | 13                 | -                        | 175         | 14,410            |
| 40        | 119   | 238          | 20,42         | 201           | 4,288                  | 275                | 64                 | 220                | 18                    | 64                 | 69                       | 710         | 25,862            |
| 41        | 65  | 264          | 18,88         | 115           | 3,353                  | 234                | 59                 | 52                 | 17                    | 22                 | 55                       | 440         | 23,058            |
| 42        | 114   | 91           | 8,999         | 226           | 2,345                  | 191                | 39                 | 202                | 19                    | 73                 | 80                       | 604         | 12,266            |
| 43        | 1,140   | 91           | 7,096         | 1,011         | 1,653                  | 66                 | 14                 | 1                  | 8                     | -                  | 2                        | 91          | 9,942             |
| 44        | 104   | 131          | 6,697         | 144           | 1,131                  | 45                 | 5                  | 9                  | -                     | 3                  | 1                        | 63          | 8,166             |
| 45        | 142   | 180          | 11,94         | 142           | 2,145                  | 148                | 27                 | 23                 | 18                    | 3                  | 3                        | 222         | 14,637            |
| 46        | 52  | 38           | 2,246         | 26            | 469                    | 19                 | 11                 | 3                  | -                     | -                  | -                        | 33          | 2,812             |
| 47        | 11  | 3            | 504           | -             | 127                    | 5                  | -                  | 1                  | -                     | -                  | -                        | 5           | 639               |
| 48        | 4   | 1            | 265           | -             | 54                     | 1                  | -                  | 1                  | -                     | -                  | -                        | 2           | 322               |
| 49        | 17  | -            | 504           | -             | 42                     | 3                  | 1                  | -                  | -                     | -                  | -                        | 4           | 550               |
| 50        | 44  | 14           | 1,141         | 23            | 159                    | 3                  | 2                  | -                  | -                     | -                  | -                        | 6           | 1,343             |
| 51        | 4   | 6            | 594           | 60            | 171                    | 5                  | 4                  | -                  | -                     | -                  | -                        | 8           | 840               |
| 52        | 15  | 22           | 1,556         | 17            | 244                    | 8                  | -                  | -                  | -                     | -                  | -                        | 8           | 1,846             |
| 53        | 2   | 4            | 466           | -             | 89                     | 3                  | -                  | -                  | -                     | -                  | -                        | 3           | 561               |
| 54        | 98  | 51           | 2,482         | 1             | 619                    | 20                 | _                  | 1                  | -                     | -                  | 1                        | 22          | 3,174             |

| Table     | e 55(d) AM            | l 10 Carbo      | n Emissi      | ions - Traffi | c Count Data           |                    |                    |                    |                       |                    |                          |             |                   |
|-----------|-----------------------|-----------------|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                       |                 |               |               |                        |                    | Year 1             |                    |                       |                    |                          |             |                   |
|           |                       |                 |               |               |                        |                    | 2014 Flow [        | Data               |                       |                    |                          |             |                   |
|           | Pre-scheme Pre-scheme |                 |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles       | Motorc<br>ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 55        | 2                     | 8               | 226           | 2             | 57                     | -                  | -                  | 1                  | -                     | -                  | -                        | 1           | 294               |
| 56        | 1                     | 10              | 772           | 1             | 119                    | 2                  | -                  | -                  | -                     | -                  | -                        | 2           | 904               |
| 57        | 161                   | 36              | 1,762         | 1             | 382                    | 18                 | 3                  | -                  | -                     | -                  | -                        | 21          | 2,202             |
| 58        | 13                    | 15              | 1,837         | 132           | 232                    | 6                  | 3                  | -                  | -                     | -                  | -                        | 9           | 2,225             |
| 59        | 1                     | 1               | 125           | -             | 19                     | 5                  | 1                  | -                  | -                     | -                  | -                        | 6           | 151               |
| 60        | 5                     | 3               | 831           | -             | 165                    | 1                  | 2                  | 1                  | -                     | -                  | -                        | 4           | 1,003             |
| 61        | 38                    | 20              | 1,252         | 19            | 277                    | 12                 | 4                  | -                  | -                     | -                  | -                        | 16          | 1,583             |
| 62        | 16                    | 24              | 2,124         | 3             | 404                    | 5                  | 2                  | 2                  | -                     | -                  | -                        | 10          | 2,564             |
| 63        | 4                     | 4               | 273           | 1             | 48                     | 2                  | -                  | -                  | -                     | -                  | -                        | 2           | 328               |
| Tot       | 23,424                | 10,266          | 603,1         | 18,461        | 121,773                | 8,599              | 1,765              | 2,054              | 448                   | 750                | 901                      | 14,5        | 768,121           |

| Table     | 55(e) AM        | 10 Carbo        | n Emissi      | ons - Traffic | Count Data             |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|-----------------|-----------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |                 |               |               |                        |                    | Year 1             |                       |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | 2015 Flow [        | Data                  |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | Post-sche          |                       |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc<br>ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 1         | 1,099           | 351             | 14,26         | 2,065         | 3,088                  | 212                | 67                 | 18                    | 32                    | 13                 | 10                       | 353         | 20,117            |
| 2         | 383             | 127             | 4,246         | 572           | 929                    | 52                 | 6                  | -                     | 1                     | 1                  | -                        | 60          | 5,934             |
| 3         | 131             | 31              | 6,959         | 243           | 1,405                  | 104                | 12                 | 12                    | 2                     | 7                  | 5                        | 142         | 8,779             |
| 4         | 643             | 277             | 12,48         | 97            | 3,864                  | 233                | 66                 | 20                    | 2                     | 6                  | 3                        | 330         | 17,054            |
| 5         | 166             | 327             | 22,38         | 306           | 4,324                  | 198                | 43                 | 27                    | 20                    | 33                 | 31                       | 352         | 27,692            |
| 6         | 1,713           | 399             | 16,06         | 164           | 3,440                  | 312                | 76                 | 137                   | 6                     | 10                 | 21                       | 562         | 20,627            |
| 7         | 100             | 87              | 9,389         | 45            | 1,842                  | 81                 | 25                 | 6                     | 1                     | 3                  | 4                        | 120         | 11,484            |
| 8         | 831             | 171             | 5,227         | 28            | 1,343                  | 67                 | 18                 | 11                    | 2                     | 1                  | 2                        | 100         | 6,869             |
| 9         | 525             | 122             | 8,332         | 74            | 1,348                  | 74                 | 29                 | 5                     | 1                     | 1                  | 2                        | 113         | 9,989             |
| 10        | 13              | 49              | 6,161         | 17            | 1,252                  | 140                | 18                 | 24                    | 7                     | 11                 | 6                        | 205         | 7,684             |
| 11        | 1,704           | 512             | 20,52         | 106           | 4,465                  | 228                | 73                 | 97                    | 6                     | 8                  | 7                        | 418         | 26,022            |
| 12        | 34              | 184             | 19,81         | 29            | 3,525                  | 227                | 37                 | 30                    | 27                    | 43                 | 12                       | 376         | 23,927            |
| 13        | 34              | 137             | 18,69         | 231           | 3,326                  | 291                | 67                 | 249                   | 29                    | 74                 | 144                      | 854         | 23,237            |
| 14        | 135             | 220             | 17,74         | 192           | 3,925                  | 150                | 28                 | 12                    | 8                     | 17                 | 12                       | 228         | 22,313            |
| 15        | 1,137           | 605             | 25,82         | 136           | 5,019                  | 353                | 63                 | 53                    | 13                    | 9                  | 6                        | 497         | 32,084            |
| 16        | 68              | 211             | 21,23         | 253           | 4,247                  | 282                | 62                 | 25                    | 24                    | 36                 | 32                       | 460         | 26,402            |
| 17        | 874             | 331             | 15,60         | 729           | 4,077                  | 215                | 64                 | 25                    | 14                    | 16                 | 33                       | 366         | 21,112            |
| 18        | 605             | 47              | 4,578         | 1,352         | 913                    | 86                 | 19                 | 16                    | 5                     | 11                 | 2                        | 140         | 7,029             |

| Table     | 55(f) AM        | 10 Carbor    | Emissi        | ons - Traffic | Count Data             |                    |                    |                    |                       |                    |                          |             |                   |
|-----------|-----------------|--------------|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |              |               |               |                        |                    | Year 1             |                    |                       |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | 2015 Flow D        | Data               |                       |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | Post-sche          | me                 |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 19        | 1,368           | 275          | 11,28         | 779           | 3,071                  | 171                | 46                 | 9                  | 2                     | 1                  | 3                        | 231         | 15,646            |
| 20        | 267             | 201          | 9,554         | 268           | 2,158                  | 160                | 30                 | 20                 | 8                     | 17                 | 9                        | 244         | 12,424            |
| 21        | 493             | 138          | 11,97         | 315           | 2,556                  | 175                | 38                 | 13                 | 5                     | 10                 | 15                       | 257         | 15,241            |
| 22        | 189             | 232          | 16,19         | 403           | 3,119                  | 150                | 32                 | 8                  | 8                     | 9                  | 5                        | 212         | 20,165            |
| 23        | 302             | 293          | 13,97         | 237           | 3,601                  | 404                | 90                 | 62                 | 12                    | 18                 | 17                       | 603         | 18,712            |
| 24        | 378             | 107          | 6,448         | 699           | 1,089                  | 117                | 27                 | 5                  | 26                    | 5                  | 7                        | 186         | 8,529             |
| 25        | 378             | 107          | 6,448         | 699           | 1,089                  | 117                | 27                 | 5                  | 26                    | 5                  | 7                        | 186         | 8,529             |
| 26        | 465             | 191          | 9,858         | 1,491         | 2,049                  | 179                | 45                 | 13                 | 16                    | 12                 | 6                        | 273         | 13,862            |
| 27        | 716             | 146          | 11,05         | 60            | 3,023                  | 189                | 48                 | 26                 | 5                     | 9                  | 10                       | 286         | 14,573            |
| 28        | 465             | 191          | 9,858         | 1,491         | 2,049                  | 179                | 45                 | 13                 | 16                    | 12                 | 6                        | 273         | 13,862            |
| 29        | 425             | 40           | 5,681         | 1,317         | 1,214                  | 120                | 27                 | 12                 | 7                     | 11                 | 7                        | 183         | 8,434             |
| 30        | 2,258           | 435          | 14,68         | 300           | 2,598                  | 294                | 40                 | 7                  | 13                    | 14                 | 15                       | 383         | 18,399            |
| 31        | 297             | 74           | 9,403         | 216           | 1,602                  | 112                | 19                 | 8                  | 3                     | 9                  | 9                        | 160         | 11,453            |
| 32        | 82              | 433          | 21,29         | 506           | 3,875                  | 250                | 54                 | 34                 | 13                    | 17                 | 27                       | 395         | 26,509            |
| 33        | 51              | 273          | 17,58         | 436           | 3,301                  | 179                | 21                 | 15                 | 8                     | 1                  | 6                        | 230         | 21,824            |
| 34        | 299             | 294          | 18,42         | 369           | 4,062                  | 234                | 59                 | 20                 | 34                    | 35                 | 42                       | 423         | 23,569            |
| 35        | 31              | 124          | 17,00         | 210           | 3,027                  | 265                | 61                 | 226                | 26                    | 68                 | 131                      | 777         | 21,146            |
| 36        | 546             | 140          | 8,858         | 79            | 1,427                  | 86                 | 9                  | 2                  | 7                     | 3                  | 1                        | 108         | 10,612            |

| Table     | 55(g) AM        | 10 Carbo     | n Emissi      | ons - Traffic | c Count Data           |                    |                    |                    |                       |                    |                          |             |                   |
|-----------|-----------------|--------------|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |              |               |               |                        |                    | Year 1             |                    |                       |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | 2015 Flow [        | Data               |                       |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | Post-sche          | me                 |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 37        | 304             | 144          | 8,214         | 472           | 1,284                  | 105                | 22                 | 14                 | 16                    | 6                  | 13                       | 175         | 10,289            |
| 38        | 249             | 214          | 12,08         | 66            | 2,578                  | 132                | 28                 | 12                 | 17                    | 11                 | 10                       | 209         | 15,154            |
| 39        | 1,166           | 254          | 11,60         | 64            | 2,636                  | 118                | 20                 | 12                 | 5                     | 13                 | -                        | 169         | 14,722            |
| 40        | 110             | 242          | 20,05         | 199           | 4,510                  | 268                | 67                 | 214                | 22                    | 63                 | 68                       | 702         | 25,704            |
| 41        | 60              | 268          | 18,54         | 114           | 3,527                  | 228                | 62                 | 51                 | 20                    | 22                 | 54                       | 437         | 22,887            |
| 42        | 106             | 81           | 9,177         | 244           | 2,459                  | 181                | 40                 | 191                | 23                    | 70                 | 77                       | 583         | 12,544            |
| 43        | 1,917           | 115          | 7,159         | 897           | 1,608                  | 74                 | 10                 | 3                  | 4                     | 1                  | -                        | 91          | 9,870             |
| 44        | 160             | 190          | 7,739         | 151           | 1,264                  | 44                 | 8                  | 5                  | 4                     | 1                  | 1                        | 63          | 9,407             |
| 45        | 64              | 98           | 18,58         | 59            | 3,162                  | 184                | 29                 | 13                 | 17                    | 8                  | 5                        | 257         | 22,160            |
| 46        | 55              | 53           | 2,261         | 22            | 543                    | 52                 | 13                 | 1                  | -                     | -                  | -                        | 66          | 2,945             |
| 47        | 9               | 11           | 629           | -             | 134                    | 6                  | 1                  | -                  | -                     | -                  | -                        | 7           | 780               |
| 48        | 3               | 3            | 297           | -             | 39                     | -                  | -                  | -                  | -                     | -                  | -                        | -           | 339               |
| 49        | 17              | 3            | 520           | -             | 50                     | 2                  | -                  | -                  | -                     | -                  | -                        | 2           | 574               |
| 50        | 68              | 9            | 1,207         | 36            | 135                    | 19                 | 3                  | -                  | 2                     | -                  | -                        | 25          | 1,412             |
| 51        | 9               | 15           | 552           | 51            | 140                    | 15                 | 1                  | -                  | -                     | -                  | -                        | 16          | 774               |
| 52        | 26              | 14           | 1,527         | 23            | 212                    | 8                  | 2                  | -                  | -                     | -                  | -                        | 10          | 1,786             |
| 53        | 4               | 9            | 664           | 2             | 138                    | 2                  | 1                  | -                  | -                     | -                  | -                        | 3           | 816               |
| 54        | 112             | 40           | 1,856         | 2             | 444                    | 28                 | -                  | -                  | -                     | -                  | -                        | 28          | 2,370             |

| Table     | 55(h) AM        | 10 Carbo        | n Emissi      | ons - Traffic | Count Data             |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|-----------------|-----------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |                 |               |               |                        |                    | Year 1             |                       |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | 2015 Flow [        | Data                  |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | Post-sche          | me                    |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc<br>ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 55        | 12              | 4               | 159           | -             | 60                     | -                  | 1                  | -                     | -                     | -                  | -                        | 1           | 224               |
| 56        | 4               | 3               | 224           | -             | 41                     | 3                  | -                  | -                     | -                     | -                  | -                        | 3           | 272               |
| 57        | 173             | 47              | 1,755         | 2             | 343                    | 27                 | 5                  | -                     | -                     | -                  | -                        | 33          | 2,180             |
| 58        | 9               | 12              | 1,770         | 119           | 272                    | 14                 | 1                  | -                     | -                     | -                  | -                        | 16          | 2,188             |
| 59        | 1               | -               | 92            | -             | 19                     | -                  | 1                  | 1                     | -                     | -                  | -                        | 2           | 112               |
| 60        | 5               | 4               | 858           | 5             | 104                    | 18                 | 1                  | -                     | -                     | -                  | -                        | 19          | 990               |
| 61        | 37              | 17              | 1,260         | 20            | 283                    | 12                 | 4                  | -                     | -                     | -                  | -                        | 16          | 1,595             |
| 62        | 19              | 9               | 2,377         | -             | 414                    | 15                 | 2                  | -                     | -                     | -                  | -                        | 17          | 2,817             |
| 63        | 2               | 4               | 286           | 2             | 47                     | 2                  | 3                  | -                     | -                     | -                  | -                        | 5           | 344               |
| Tot       | 23,906          | 9,745           | 600,5         | 19,064        | 123,688                | 8,243              | 1,816              | 1,782                 | 565                   | 751                | 883                      | 14,0        | 767,099           |

| Table     | 55(i) AM        | 10 Carbon       | Emissio       | ns - Traffic  | Count Data             |                    |                    |                    |                       |                    |                          |             |                   |
|-----------|-----------------|-----------------|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |                 |               |               |                        |                    | Year 2             |                    |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | 2016 Flow D        | Data               |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | Post-sche          | me                 |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc<br>ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxl<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 1         | 1018            | 346             | 13935         | 2074          | 3318                   | 210                | 62                 | 19                 | 26                    | 12                 | 10                       | 341         | 20013             |
| 2         | 354             | 122             | 4347          | 568           | 997                    | 53                 | 6                  | 0                  | 1                     | 1                  | 0                        | 62          | 6096              |
| 3         | 121             | 29              | 7125          | 241           | 1509                   | 107                | 12                 | 13                 | 2                     | 7                  | 6                        | 147         | 9051              |
| 4         | 824             | 263             | 10719         | 31            | 2603                   | 122                | 37                 | 5                  | 4                     | 8                  | 1                        | 177         | 13793             |
| 5         | 154             | 323             | 21872         | 307           | 4646                   | 196                | 40                 | 28                 | 17                    | 30                 | 31                       | 342         | 27490             |
| 6         | 2357            | 463             | 17275         | 170           | 3572                   | 179                | 48                 | 76                 | 9                     | 11                 | 10                       | 333         | 21812             |
| 7         | 93              | 83              | 9613          | 45            | 1978                   | 84                 | 25                 | 6                  | 1                     | 3                  | 4                        | 124         | 11843             |
| 8         | 769             | 163             | 5351          | 28            | 1442                   | 70                 | 17                 | 12                 | 2                     | 1                  | 2                        | 103         | 7089              |
| 9         | 487             | 116             | 8531          | 74            | 1447                   | 77                 | 28                 | 6                  | 1                     | 1                  | 3                        | 116         | 10284             |
| 10        | 12              | 47              | 6308          | 16            | 1345                   | 145                | 17                 | 26                 | 6                     | 11                 | 7                        | 212         | 7929              |
| 11        | 3304            | 750             | 21556         | 76            | 4139                   | 169                | 64                 | 50                 | 7                     | 5                  | 6                        | 302         | 26822             |
| 12        | 35              | 185             | 20363         | 29            | 3751                   | 239                | 36                 | 33                 | 23                    | 40                 | 13                       | 383         | 24711             |
| 13        | 23              | 279             | 17574         | 157           | 3470                   | 294                | 87                 | 209                | 7                     | 78                 | 166                      | 840         | 22320             |
| 14        | 342             | 268             | 16921         | 193           | 3172                   | 132                | 26                 | 8                  | 11                    | 12                 | 18                       | 207         | 20761             |
| 15        | 1054            | 597             | 25238         | 137           | 5392                   | 351                | 58                 | 55                 | 11                    | 8                  | 6                        | 489         | 31853             |
| 16        | 74              | 157             | 15682         | 283           | 2894                   | 203                | 32                 | 34                 | 26                    | 28                 | 20                       | 343         | 19359             |
| 17        | 810             | 326             | 15252         | 732           | 4381                   | 214                | 60                 | 26                 | 11                    | 14                 | 33                       | 358         | 21050             |
| 18        | 560             | 45              | 4687          | 1343          | 981                    | 89                 | 18                 | 18                 | 5                     | 12                 | 3                        | 144         | 7199              |

| Table     | 55(j) AM        | 10 Carbon    | Emissio       | ons - Traffic | Count Data             |                    |                    |                    |                       |                    |                          |             |                   |
|-----------|-----------------|--------------|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |              |               |               |                        |                    | Year 2             |                    |                       |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | 2016 Flow D        | Data               |                       |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | Post-sche          | _                  |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxl<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 19        | 1409            | 245          | 8893          | 740           | 2072                   | 131                | 33                 | 12                 | 5                     | 2                  | 2                        | 186         | 12136             |
| 20        | 247             | 192          | 9782          | 266           | 2318                   | 166                | 29                 | 22                 | 7                     | 18                 | 10                       | 252         | 12809             |
| 21        | 457             | 132          | 12262         | 313           | 2744                   | 181                | 37                 | 15                 | 5                     | 10                 | 17                       | 265         | 15716             |
| 22        | 175             | 229          | 15828         | 404           | 3351                   | 149                | 29                 | 9                  | 6                     | 9                  | 6                        | 207         | 20021             |
| 23        | 361             | 226          | 13712         | 148           | 2920                   | 222                | 37                 | 58                 | 19                    | 25                 | 51                       | 413         | 17421             |
| 24        | 350             | 102          | 6602          | 695           | 1169                   | 121                | 26                 | 5                  | 24                    | 5                  | 8                        | 189         | 8757              |
| 25        | 350             | 102          | 6602          | 695           | 1169                   | 121                | 26                 | 5                  | 24                    | 5                  | 8                        | 189         | 8757              |
| 26        | 431             | 183          | 10093         | 1481          | 2200                   | 186                | 44                 | 15                 | 15                    | 13                 | 8                        | 280         | 14236             |
| 27        | 1277            | 375          | 8804          | 68            | 1888                   | 142                | 26                 | 6                  | 5                     | 6                  | 9                        | 195         | 11330             |
| 28        | 431             | 183          | 10093         | 1481          | 2200                   | 186                | 44                 | 15                 | 15                    | 13                 | 8                        | 280         | 14236             |
| 29        | 393             | 38           | 5817          | 1308          | 1303                   | 124                | 26                 | 13                 | 6                     | 11                 | 8                        | 189         | 8655              |
| 30        | 2091            | 416          | 15033         | 298           | 2790                   | 305                | 38                 | 7                  | 12                    | 15                 | 17                       | 394         | 18932             |
| 31        | 275             | 71           | 9627          | 214           | 1720                   | 116                | 18                 | 9                  | 3                     | 10                 | 10                       | 165         | 11797             |
| 32        | 199             | 285          | 19614         | 494           | 3451                   | 140                | 38                 | 41                 | 13                    | 9                  | 0                        | 240         | 24084             |
| 33        | 47              | 269          | 17183         | 438           | 3547                   | 177                | 19                 | 15                 | 7                     | 1                  | 7                        | 226         | 21663             |
| 34        | 277             | 290          | 18000         | 371           | 4364                   | 232                | 54                 | 21                 | 28                    | 32                 | 43                       | 410         | 23435             |
| 35        | 21              | 254          | 15993         | 143           | 3157                   | 267                | 79                 | 190                | 7                     | 71                 | 151                      | 765         | 20312             |
| 36        | 506             | 134          | 9069          | 79            | 1532                   | 89                 | 9                  | 2                  | 6                     | 3                  | 1                        | 111         | 10925             |

| Table     | 55(k) AM        | 10 Carbo        | n Emissi      | ons - Traffic | Count Data             |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|-----------------|-----------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |                 |               |               |                        |                    | Year 2             |                       |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | 2016 Flow D        | Data                  |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | Post-sche          | _                     |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc<br>ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxl<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 37        | 282             | 138             | 8410          | 469           | 1379                   | 108                | 21                 | 15                    | 15                    | 6                  | 15                       | 180         | 10576             |
| 38        | 231             | 205             | 12375         | 65            | 2769                   | 137                | 27                 | 13                    | 16                    | 11                 | 11                       | 214         | 15628             |
| 39        | 1080            | 243             | 11877         | 63            | 2831                   | 123                | 19                 | 13                    | 5                     | 13                 | 0                        | 174         | 15187             |
| 40        | 102             | 238             | 19594         | 200           | 4846                   | 266                | 63                 | 223                   | 18                    | 57                 | 70                       | 697         | 25574             |
| 41        | 56              | 265             | 18117         | 114           | 3789                   | 226                | 57                 | 53                    | 17                    | 20                 | 55                       | 429         | 22715             |
| 42        | 98              | 77              | 9396          | 242           | 2640                   | 188                | 39                 | 209                   | 21                    | 73                 | 89                       | 619         | 12975             |
| 43        | 1660            | 229             | 6527          | 1008          | 1484                   | 68                 | 9                  | 0                     | 2                     | 1                  | 1                        | 82          | 9329              |
| 44        | 81              | 107             | 7357          | 158           | 1175                   | 39                 | 10                 | 8                     | 3                     | 3                  | 1                        | 63          | 8861              |
| 45        | 120             | 236             | 19789         | 73            | 3571                   | 175                | 42                 | 51                    | 16                    | 2                  | 4                        | 290         | 23958             |
| 46        | 65              | 54              | 2464          | 27            | 516                    | 26                 | 8                  | 2                     | 0                     | 1                  | 0                        | 36          | 3097              |
| 47        | 20              | 9               | 493           | 0             | 132                    | 1                  | 1                  | 0                     | 0                     | 0                  | 0                        | 2           | 636               |
| 48        | 6               | 3               | 262           | 0             | 79                     | 1                  | 1                  | 0                     | 0                     | 0                  | 0                        | 2           | 346               |
| 49        | 31              | 3               | 424           | 0             | 35                     | 0                  | 0                  | 0                     | 0                     | 0                  | 0                        | 0           | 462               |
| 50        | 29              | 1               | 1115          | 26            | 194                    | 14                 | 5                  | 3                     | 1                     | 2                  | 0                        | 25          | 1360              |
| 51        | 6               | 7               | 557           | 64            | 113                    | 2                  | 2                  | 0                     | 0                     | 0                  | 0                        | 3           | 745               |
| 52        | 12              | 9               | 1541          | 17            | 242                    | 6                  | 4                  | 1                     | 0                     | 0                  | 0                        | 10          | 1820              |
| 53        | 1               | 4               | 688           | 0             | 192                    | 7                  | 2                  | 0                     | 0                     | 0                  | 0                        | 9           | 892               |
| 54        | 114             | 80              | 2131          | 0             | 400                    | 14                 | 1                  | 2                     | 1                     | 1                  | 0                        | 19          | 2630              |

| Table     | 55(I) AM        | 10 Carbor       | n Emissi      | ons - Traffic | Count Data             |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|-----------------|-----------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |                 |               |               |                        |                    | Year 2             |                       |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | 2016 Flow [        | Data                  |                       |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | Post-sche          | me                    |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc<br>ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 55        | 5               | 8               | 200           | 0             | 47                     | 1                  | 1                  | 0                     | 0                     | 0                  | 0                        | 2           | 257               |
| 56        | 3               | 2               | 205           | 0             | 49                     | 2                  | 2                  | 0                     | 0                     | 0                  | 0                        | 4           | 259               |
| 57        | 127             | 24              | 1485          | 0             | 352                    | 5                  | 5                  | 0                     | 0                     | 0                  | 0                        | 9           | 1871              |
| 58        | 20              | 20              | 1821          | 121           | 249                    | 6                  | 2                  | 0                     | 0                     | 0                  | 0                        | 8           | 2219              |
| 59        | 0               | 0               | 125           | 0             | 25                     | 0                  | 1                  | 0                     | 0                     | 0                  | 0                        | 1           | 151               |
| 60        | 2               | 1               | 910           | 3             | 144                    | 3                  | 2                  | 0                     | 0                     | 0                  | 0                        | 5           | 1063              |
| 61        | 56              | 46              | 4475          | 103           | 922                    | 40                 | 7                  | 0                     | 4                     | 0                  | 0                        | 50          | 5597              |
| 62        | 15              | 29              | 2258          | 1             | 402                    | 7                  | 3                  | 1                     | 1                     | 0                  | 0                        | 12          | 2702              |
| 63        | 9               | 2               | 283           | 0             | 60                     | 0                  | 1                  | 0                     | 0                     | 0                  | 0                        | 1           | 346               |
| Tot       | 25,919          | 10,328          | 590,2         | 18,894        | 123,569                | 7,454              | 1,620              | 1,678                 | 497                   | 730                | 949                      | 12,9        | 755,953           |

| Table 56 AM | 10 Carbon E   | missions - Tra | ffic Speed  |               |                 |                 |             |                |                 |                |             |  |  |  |
|-------------|---|----------------|-------------|---------------|-----------------|-----------------|-------------|----------------|-----------------|----------------|-------------|--|--|--|
|             |   |                |             |               |                 | Year 1          |             |                |                 |                |             |  |  |  |
| Average t   | Average traffic speed (miles per mile) (Source DfT Congestion & Reliability Statistics Table CGN0206a) Average traffic speeds during the week |                |             |               |                 |                 |             |                |                 |                |             |  |  |  |
|             | Period  |                |             |               |                 |                 |             |                |                 |                |             |  |  |  |
| Apr-14      |   |                |             |               |                 |                 |             |                |                 |                |             |  |  |  |
|             | Pre-scheme Pre-scheme   |                |             |               |                 |                 |             |                |                 |                |             |  |  |  |
| 16.5        |   |                |             |               |                 |                 |             |                |                 |                |             |  |  |  |
| Average t   | raffic speed (  | miles per mile | ) (Source D | fT Congestion | n & Reliability | y Statistics Ta | ble CGN0206 | a) Average tra | iffic speeds du | ıring the week | day morning |  |  |  |
|             |   |                |             |               |                 | 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-schem      | ne              |             |                |                 |                |             |  |  |  |
| 16.1        | 16.1  | 16.1           | 16.1        | 16.0          | 16.0            | 16.1            | 16.1        | No Data        | No Data         | No Data        | 16.1        |  |  |  |

| Year  | 2                       | Ye                              | ear 3  |
|---|-------------------------|---------------------------------|--|
| Average traffic speed (mile<br>Congestion & Reliability Sta<br>Average traffic speeds | tistics Table CGN0501b) | Congestion & Reliability Statis | niles per mile) (Source DfT<br>stics Table CGN0501b) Average<br>on local 'A' roads |
| Perio   | od                      | Pe                              | riod   |
| 2015  | 2016                    | 2016                            | 2017   |
| Post-sch  | neme                    | Post-                           | scheme   |
| 17.0  | 16.7                    | 16.7                            |  |

| Table     | 57(a) AM        | 10 Carbo        | n Emissi      | ons - DfT Si  | tes                    |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|-----------------|-----------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |                 |               |               |                        |                    | Year 1             |                       |                       |                    |                          |             |                   |
|           |                 |                 |               |               | 20                     | 014 Total Em       | issions (thoເ      | sand tonnes (         | CO2)                  |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | Pre-schen          | _                     |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc<br>ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 1         | 0.00            | 0.03            | 0.31          | 0.21          | 0.08                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.04        | 0.67              |
| 2         | 0.00            | 0.04            | 0.70          | 0.16          | 0.20                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.04        | 1.14              |
| 3         | 0.00            | 0.01            | 0.43          | 0.07          | 0.11                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.05        | 0.67              |
| 4         | 0.00            | 0.04            | 0.35          | 0.01          | 0.14                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.05        | 0.58              |
| 5         | 0.00            | 0.01            | 0.19          | 0.01          | 0.05                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.28              |
| 6         | 0.00            | 0.17            | 1.66          | 0.08          | 0.44                   | 0.09               | 0.09               | 0.09                  | 0.01                  | 0.01               | 0.01                     | 0.31        | 2.65              |
| 7         | 0.00            | 0.03            | 0.91          | 0.04          | 0.24                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.08        | 1.30              |
| 8         | 0.00            | 0.03            | 0.17          | 0.00          | 0.05                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.27              |
| 9         | 0.00            | 0.11            | 1.12          | 0.02          | 0.31                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.08        | 1.64              |
| 10        | 0.00            | 0.01            | 0.36          | 0.00          | 0.09                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.07        | 0.54              |
| 11        | 0.00            | 0.24            | 2.39          | 0.06          | 0.64                   | 0.08               | 0.08               | 0.08                  | 0.01                  | 0.01               | 0.01                     | 0.25        | 3.58              |
| 12        | 0.00            | 0.04            | 1.01          | 0.01          | 0.28                   | 0.03               | 0.03               | 0.03                  | 0.01                  | 0.01               | 0.01                     | 0.12        | 1.46              |
| 13        | 0.00            | 0.03            | 0.89          | 0.05          | 0.19                   | 0.05               | 0.05               | 0.05                  | 0.03                  | 0.03               | 0.03                     | 0.23        | 1.39              |
| 14        | 0.00            | 0.07            | 1.46          | 0.08          | 0.39                   | 0.03               | 0.03               | 0.03                  | 0.01                  | 0.01               | 0.01                     | 0.10        | 2.10              |
| 15        | 0.00            | 0.06            | 0.67          | 0.02          | 0.16                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.07        | 0.97              |
| 16        | 0.00            | 0.01            | 0.35          | 0.02          | 0.08                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.04        | 0.51              |
| 17        | 0.00            | 0.23            | 2.70          | 0.61          | 0.86                   | 0.09               | 0.09               | 0.09                  | 0.03                  | 0.03               | 0.03                     | 0.34        | 4.73              |
| 18        | 0.00            | 0.00            | 0.10          | 0.13          | 0.02                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.27              |

| Table     | 57(b) AM        | 10 Carbo     | n Emissi      | ons - DfT Si  | tes                    |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|-----------------|--------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |              |               |               |                        |                    | Year 1             |                       |                       |                    |                          |             |                   |
|           |                 |              |               |               | 20                     | 014 Total Em       | issions (thoເ      | sand tonnes (         | CO2)                  |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | Pre-schen          | _                     |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 19        | 0.00            | 0.06         | 0.52          | 0.16          | 0.18                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.06        | 0.98              |
| 20        | 0.00            | 0.02         | 0.16          | 0.02          | 0.05                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.26              |
| 21        | 0.00            | 0.02         | 0.40          | 0.05          | 0.11                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.05        | 0.63              |
| 22        | 0.00            | 0.08         | 1.47          | 0.18          | 0.35                   | 0.03               | 0.03               | 0.03                  | 0.00                  | 0.00               | 0.00                     | 0.10        | 2.18              |
| 23        | 0.00            | 0.01         | 0.12          | 0.01          | 0.04                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.03        | 0.20              |
| 24        | 0.00            | 0.01         | 0.08          | 0.04          | 0.02                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.16              |
| 25        | 0.00            | 0.00         | 0.05          | 0.03          | 0.01                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.10              |
| 26        | 0.00            | 0.01         | 0.08          | 0.06          | 0.02                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.18              |
| 27        | 0.00            | 0.01         | 0.14          | 0.00          | 0.05                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.22              |
| 28        | 0.00            | 0.00         | 0.04          | 0.03          | 0.01                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.09              |
| 29        | 0.00            | 0.00         | 0.07          | 0.08          | 0.02                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.18              |
| 30        | 0.00            | 0.01         | 0.13          | 0.01          | 0.04                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.21              |
| 31        | 0.00            | 0.00         | 0.04          | 0.00          | 0.01                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.00        | 0.06              |
| 32        | 0.00            | 0.28         | 3.33          | 0.40          | 0.74                   | 0.09               | 0.09               | 0.09                  | 0.02                  | 0.02               | 0.02                     | 0.33        | 5.07              |
| 33        | 0.00            | 0.09         | 1.17          | 0.12          | 0.31                   | 0.05               | 0.05               | 0.05                  | 0.00                  | 0.00               | 0.00                     | 0.16        | 1.85              |
| 34        | 0.00            | 0.18         | 2.78          | 0.27          | 0.75                   | 0.08               | 0.08               | 0.08                  | 0.04                  | 0.04               | 0.04                     | 0.36        | 4.34              |
| 35        | 0.00            | 0.02         | 0.51          | 0.03          | 0.11                   | 0.03               | 0.03               | 0.03                  | 0.02                  | 0.02               | 0.02                     | 0.14        | 0.81              |
| 36        | 0.00            | 0.02         | 0.24          | 0.01          | 0.05                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.34              |

| Table     | 57(c) AM        | 10 Carbo     | n Emissi      | ons - DfT Si  | tes                    |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|-----------------|--------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |              |               |               |                        |                    | Year 1             |                       |                       |                    |                          |             |                   |
|           |                 |              |               |               | 20                     | 14 Total Em        | issions (thoเ      | sand tonnes (         | CO2)                  |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | Pre-schen          |                       |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 37        | 0.00            | 0.01         | 0.15          | 0.04          | 0.03                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.25              |
| 38        | 0.00            | 0.01         | 0.15          | 0.00          | 0.04                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.22              |
| 39        | 0.00            | 0.01         | 0.06          | 0.00          | 0.02                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.09              |
| 40        | 0.00            | 0.03         | 0.61          | 0.03          | 0.17                   | 0.03               | 0.03               | 0.03                  | 0.01                  | 0.01               | 0.01                     | 0.12        | 0.95              |
| 41        | 0.00            | 0.02         | 0.32          | 0.01          | 0.07                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.04        | 0.46              |
| 42        | 0.00            | 0.01         | 0.34          | 0.04          | 0.12                   | 0.03               | 0.03               | 0.03                  | 0.02                  | 0.02               | 0.02                     | 0.13        | 0.65              |
| 43        | 0.00            | 0.02         | 0.33          | 0.23          | 0.10                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.70              |
| 44        | 0.00            | 0.05         | 0.57          | 0.06          | 0.13                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.03        | 0.83              |
| 45        | 0.00            | 0.10         | 1.67          | 0.10          | 0.39                   | 0.05               | 0.05               | 0.05                  | 0.01                  | 0.01               | 0.01                     | 0.17        | 2.43              |
| 46        | 0.00            | 0.01         | 0.10          | 0.01          | 0.03                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.15              |
| 47        | 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              |
| 48        | 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              |
| 49        | 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              |
| 50        | 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              |
| 51        | 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              |
| 52        | 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              |
| 53        | 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              |
| 54        | 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              |

| Table 57(d) AM 10 Carbon Emissions - DfT Sites |                 |                 |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |
|--|-----------------|-----------------|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
| Year 1   |                 |                 |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |
| 2014 Total Emissions (thousand tonnes CO2)     |                 |                 |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |
| Pre-scheme                                     |                 |                 |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |
| Ref<br>No                                      | PedalC<br>ycles | Motorc<br>ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 55   | 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              |
| 56   | 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              |
| 57   | 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              |
| 58   | 0.00            | 0.00            | 0.04          | 0.01          | 0.01                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.00        | 0.06              |
| 59   | 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              |
| 60   | 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              |
| 61   | 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              |
| 62   | 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              |
| 63   | 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              |
| Tot  | 0.00            | 2.22            | 31.10         | 3.46          | 8.16                   | 1.02               | 1.02               | 1.02               | 0.24                  | 0.24               | 0.24                     | 3.80        | 48.74             |

| Table     | e 57(e) AM      | 10 Carbo        | n Emissi      | ons - DfT Si  | tes                    |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|-----------------|-----------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |                 |               |               |                        |                    | Year 1             |                       |                       |                    |                          |             |                   |
|           |                 |                 |               |               | 20                     | 015 Total Em       |                    | sand tonnes (         | CO2)                  |                    |                          |             |                   |
|           |                 |                 |               |               |                        |                    | Post-sche          | _                     |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc<br>ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 1         | 0.00            | 0.03            | 0.30          | 0.21          | 0.08                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.04        | 0.66              |
| 2         | 0.00            | 0.04            | 0.35          | 0.23          | 0.10                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.03        | 0.75              |
| 3         | 0.00            | 0.01            | 0.43          | 0.07          | 0.11                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.05        | 0.67              |
| 4         | 0.00            | 0.03            | 0.35          | 0.01          | 0.14                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.05        | 0.58<br>0.28      |
| 5         |                 |                 |               |               |                        |                    |                    |                       |                       |                    |                          |             |                   |
| 6         |                 |                 |               |               |                        |                    |                    |                       |                       |                    |                          |             | 2.59              |
| 7         | 0.00            | 0.03            | 0.86          | 0.02          | 0.22                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.06        | 1.19              |
| 8         | 0.00            | 0.02            | 0.17          | 0.00          | 0.06                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.27              |
| 9         | 0.00            | 0.04            | 0.73          | 0.03          | 0.15                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.05        | 1.00              |
| 10        | 0.00            | 0.01            | 0.36          | 0.00          | 0.10                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.06        | 0.53              |
| 11        | 0.00            | 0.24            | 2.30          | 0.06          | 0.65                   | 0.08               | 0.08               | 0.08                  | 0.01                  | 0.01               | 0.01                     | 0.25        | 3.50              |
| 12        | 0.00            | 0.04            | 1.07          | 0.01          | 0.25                   | 0.03               | 0.03               | 0.03                  | 0.01                  | 0.01               | 0.01                     | 0.11        | 1.48              |
| 13        | 0.00            | 0.03            | 0.85          | 0.05          | 0.20                   | 0.05               | 0.05               | 0.05                  | 0.03                  | 0.03               | 0.03                     | 0.23        | 1.36              |
| 14        | 0.00            | 0.07            | 1.40          | 0.07          | 0.40                   | 0.03               | 0.03               | 0.03                  | 0.01                  | 0.01               | 0.01                     | 0.10        | 2.04              |
| 15        | 0.00            | 0.06            | 0.64          | 0.02          | 0.16                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.07        | 0.95              |
| 16        | 0.00            | 0.01            | 0.35          | 0.02          | 0.09                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.04        | 0.51              |
| 17        | 0.00            | 0.23            | 2.59          | 0.58          | 0.89                   | 0.09               | 0.09               | 0.09                  | 0.03                  | 0.03               | 0.03                     | 0.34        | 4.63              |
| 18        | 0.00            | 0.00            | 0.10          | 0.14          | 0.02                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.28              |

| Table     | 57(f) AM  | 10 Carbor    | n Emissio     | ons - DfT Sit | es                     |                    |                    |                    |                       |                    |                          |             |                   |  |
|-----------|---|--------------|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|--|
|           |   |              |               |               |                        |                    | Year 1             |                    |                       |                    |                          |             |                   |  |
|           |   |              |               |               | 20                     | 15 Total Em        | issions (thoບ      | sand tonnes (      | CO2)                  |                    |                          |             |                   |  |
|           |   |              |               |               |                        |                    | Post-schei         | -                  |                       |                    |                          |             |                   |  |
| Ref<br>No | PedalC<br>ycles   | Motorc ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxl<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |  |
| 19        | 0.00  | 0.05         | 0.52          | 0.17          | 0.18                   | 0.02               | 0.02               | 0.02               | 0.00                  | 0.00               | 0.00                     | 0.05        | 0.97              |  |
| 20        | 0.00  | 0.01         | 0.16          | 0.02          | 0.05                   | 0.01               | 0.01               | 0.01               | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.26              |  |
| 21        | 0.00  | 0.02         | 0.40          | 0.05          | 0.11                   | 0.01               | 0.01               | 0.01               | 0.00                  | 0.00               | 0.00                     | 0.05        | 0.63<br>2.12      |  |
| 22        | 0.00 0.08 1.41 0.17 0.36 0.03 0.03 0.03 0.00 0.00 0.00 0.10 |              |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |  |
| 23        |   |              |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |  |
| 24        | 0.00  | 0.01         | 0.08          | 0.04          | 0.02                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.16              |  |
| 25        | 0.00  | 0.00         | 0.05          | 0.03          | 0.01                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.10              |  |
| 26        | 0.00  | 0.00         | 0.08          | 0.06          | 0.02                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.17              |  |
| 27        | 0.00  | 0.01         | 0.14          | 0.00          | 0.05                   | 0.01               | 0.01               | 0.01               | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.22              |  |
| 28        | 0.00  | 0.00         | 0.04          | 0.03          | 0.01                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.09              |  |
| 29        | 0.00  | 0.00         | 0.07          | 0.08          | 0.02                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.18              |  |
| 30        | 0.00  | 0.01         | 0.12          | 0.01          | 0.03                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.19              |  |
| 31        | 0.00  | 0.00         | 0.04          | 0.00          | 0.01                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.00        | 0.05              |  |
| 32        | 0.00  | 0.28         | 3.36          | 0.39          | 0.80                   | 0.09               | 0.09               | 0.09               | 0.02                  | 0.02               | 0.02                     | 0.34        | 5.17              |  |
| 33        | 0.00  | 0.07         | 1.02          | 0.12          | 0.25                   | 0.02               | 0.02               | 0.02               | 0.00                  | 0.00               | 0.00                     | 0.07        | 1.53              |  |
| 34        | 0.00  | 0.18         | 2.68          | 0.26          | 0.77                   | 0.08               | 0.08               | 0.08               | 0.04                  | 0.04               | 0.04                     | 0.35        | 4.24              |  |
| 35        | 0.00  | 0.01         | 0.49          | 0.03          | 0.12                   | 0.03               | 0.03               | 0.03               | 0.02                  | 0.02               | 0.02                     | 0.13        | 0.78              |  |
| 36        | 0.00  | 0.02         | 0.24          | 0.01          | 0.05                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.34              |  |

| Table     | 57(g) AM        | 10 Carbo     | n Emissi      | ons - DfT Si  | tes                    |                    |                    |                    |                       |                    |                          |             |                   |
|-----------|-----------------|--------------|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |              |               |               |                        |                    | Year 1             |                    |                       |                    |                          |             |                   |
|           |                 |              |               |               | 20                     | 015 Total Em       | issions (thoเ      | sand tonnes (      | CO2)                  |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | Post-schei         | -                  |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxl<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 37        | 0.00            | 0.01         | 0.15          | 0.04          | 0.03                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.25              |
| 38        | 0.00            | 0.01         | 0.15          | 0.00          | 0.04                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.21              |
| 39        | 0.00            | 0.01         | 0.06          | 0.00          | 0.02                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.00        | 0.09              |
| 40        | 0.00            | 0.03         | 0.58          | 0.03          | 0.17                   | 0.03               | 0.03               | 0.03               | 0.01                  | 0.01               | 0.01                     | 0.11        | 0.92              |
| 41        | 0.00            | 0.02         | 0.31          | 0.01          | 0.08                   | 0.01               | 0.01               | 0.01               | 0.00                  | 0.00               | 0.00                     | 0.04        | 0.46              |
| 42        | 0.00            | 0.01         | 0.34          | 0.04          | 0.12                   | 0.03               | 0.03               | 0.03               | 0.02                  | 0.02               | 0.02                     | 0.13        | 0.64              |
| 43        | 0.00            | 0.02         | 0.33          | 0.20          | 0.10                   | 0.01               | 0.01               | 0.01               | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.67              |
| 44        | 0.00            | 0.07         | 0.64          | 0.06          | 0.14                   | 0.01               | 0.01               | 0.01               | 0.00                  | 0.00               | 0.00                     | 0.03        | 0.94              |
| 45        | 0.00            | 0.06         | 2.55          | 0.04          | 0.57                   | 0.05               | 0.05               | 0.05               | 0.01                  | 0.01               | 0.01                     | 0.19        | 3.41              |
| 46        | 0.00            | 0.01         | 0.09          | 0.00          | 0.03                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.14              |
| 47        | 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              |
| 48        | 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              |
| 49        | 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              |
| 50        | 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              |
| 51        | 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              |
| 52        | 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              |
| 53        | 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              |
| 54        | 0.00            | 0.00         | 0.02          | 0.00          | 0.01                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.00        | 0.03              |

| Table     | 57(h) AM        | 10 Carbo                                | n Emissi      | ons - DfT Si  | tes                    |                    |                    |                    |                       |                    |                          |             |                   |  |  |
|-----------|-----------------|---|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|--|--|
|           |                 |   |               |               |                        |                    | Year 1             |                    |                       |                    |                          |             |                   |  |  |
|           |                 |   |               |               | 20                     | 015 Total Em       | issions (thoເ      | sand tonnes (      | CO2)                  |                    |                          |             |                   |  |  |
|           |                 |   |               |               |                        |                    | Post-sche          | me                 |                       |                    |                          |             |                   |  |  |
| Ref<br>No | PedalC<br>ycles | Motorc<br>ycles                         | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |  |  |
| 55        | 0.00            |   |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |  |  |
| 56        | 0.00            | 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |  |  |
| 57        | 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              |  |  |
| 58        | 0.00            | 0.00                                    | 0.03          | 0.01          | 0.01                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.00        | 0.05              |  |  |
| 59        | 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              |  |  |
| 60        | 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              |  |  |
| 61        | 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              |  |  |
| 62        | 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              |  |  |
| 63        | 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              |  |  |
| Tot       | 0.00            | 1.98                                    | 30.11         | 3.52          | 8.06                   | 0.93               | 0.93               | 0.93               | 0.25                  | 0.25               | 0.25                     | 3.53        | 46.78             |  |  |

| Table     | 57(i) AM        | 10 Carbor    | Emissio       | ons - DfT Sit | es                     |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|-----------------|--------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |              |               |               |                        |                    | Year 2             |                       |                       |                    |                          |             |                   |
|           |                 |              |               |               | 20                     | 016 Total Em       |                    | sand tonnes (         | CO2)                  |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | Post-sche          | _                     |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 1         | 0.00            | 0.03         | 0.29          | 0.21          | 0.09                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.04        | 0.66              |
| 2         | 0.00            | 0.04         | 0.36          | 0.23          | 0.11                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.03        | 0.77              |
| 3         | 0.00            | 0.01         | 0.45          | 0.07          | 0.12                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.05        | 0.70              |
| 4         | 0.00            | 0.03         | 0.30          | 0.00          | 0.10                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.03        | 0.46              |
| 5         | 0.00            | 0.01         | 0.18          | 0.01          | 0.05                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.27              |
| 6         | 0.00            | 0.19         | 1.74          | 0.08          | 0.47                   | 0.05               | 0.05               | 0.05                  | 0.01                  | 0.01               | 0.01                     | 0.18        | 2.66              |
| 7         | 0.00            | 0.03         | 0.89          | 0.02          | 0.24                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.06        | 1.24              |
| 8         | 0.00            | 0.02         | 0.17          | 0.00          | 0.06                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.27              |
| 9         | 0.00            | 0.04         | 0.75          | 0.03          | 0.17                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.05        | 1.04              |
| 10        | 0.00            | 0.01         | 0.37          | 0.00          | 0.10                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.07        | 0.55              |
| 11        | 0.00            | 0.35         | 2.44          | 0.04          | 0.61                   | 0.05               | 0.05               | 0.05                  | 0.01                  | 0.01               | 0.01                     | 0.18        | 3.62              |
| 12        | 0.00            | 0.04         | 1.11          | 0.01          | 0.27                   | 0.03               | 0.03               | 0.03                  | 0.01                  | 0.01               | 0.01                     | 0.12        | 1.55              |
| 13        | 0.00            | 0.05         | 0.81          | 0.03          | 0.21                   | 0.05               | 0.05               | 0.05                  | 0.03                  | 0.03               | 0.03                     | 0.23        | 1.33              |
| 14        | 0.00            | 0.09         | 1.35          | 0.07          | 0.33                   | 0.02               | 0.02               | 0.02                  | 0.01                  | 0.01               | 0.01                     | 0.09        | 1.93              |
| 15        | 0.00            | 0.06         | 0.63          | 0.02          | 0.18                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.06        | 0.95              |
| 16        | 0.00            | 0.01         | 0.26          | 0.02          | 0.06                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.03        | 0.38              |
| 17        | 0.00            | 0.23         | 2.56          | 0.59          | 0.96                   | 0.09               | 0.09               | 0.09                  | 0.02                  | 0.02               | 0.02                     | 0.33        | 4.67              |
| 18        | 0.00            | 0.00         | 0.10          | 0.14          | 0.03                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.29              |

| Table     | • 57(j) AM                                | 10 Carbor       | n Emissio     | ons - DfT Sit | es                     |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|---|-----------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |   |                 |               |               |                        |                    | Year 2             |                       |                       |                    |                          |             |                   |
|           |   |                 |               |               | 20                     | 016 Total Em       | issions (thoເ      | sand tonnes (         | CO2)                  |                    |                          |             |                   |
|           |   |                 |               |               |                        |                    | Post-sche          | _                     |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles                           | Motorc<br>ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 19        | 0.00                                      | 0.05            | 0.41          | 0.16          | 0.12                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.04        | 0.78              |
| 20        | 0.00                                      | 0.01            | 0.16          | 0.02          | 0.05                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.26              |
| 21        | 0.00                                      | 0.02            | 0.41          | 0.05          | 0.12                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.05        | 0.65<br>2.13      |
| 22        |   |                 |               |               |                        |                    |                    |                       |                       |                    |                          |             |                   |
| 23        | 23 0.00 0.01 0.11 0.01 0.03 0.00 0.00 0.0 |                 |               |               |                        |                    |                    |                       |                       |                    |                          |             |                   |
| 24        | 0.00                                      | 0.01            | 0.08          | 0.04          | 0.02                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.16              |
| 25        | 0.00                                      | 0.00            | 0.06          | 0.03          | 0.01                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.11              |
| 26        | 0.00                                      | 0.01            | 0.08          | 0.06          | 0.02                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.18              |
| 27        | 0.00                                      | 0.02            | 0.11          | 0.00          | 0.03                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.17              |
| 28        | 0.00                                      | 0.00            | 0.04          | 0.03          | 0.01                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.09              |
| 29        | 0.00                                      | 0.00            | 0.07          | 0.08          | 0.02                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.18              |
| 30        | 0.00                                      | 0.01            | 0.13          | 0.01          | 0.03                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.20              |
| 31        | 0.00                                      | 0.00            | 0.04          | 0.00          | 0.01                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.00        | 0.05              |
| 32        | 0.00                                      | 0.19            | 3.12          | 0.38          | 0.72                   | 0.06               | 0.06               | 0.06                  | 0.01                  | 0.01               | 0.01                     | 0.20        | 4.61              |
| 33        | 0.00                                      | 0.07            | 1.01          | 0.12          | 0.27                   | 0.02               | 0.02               | 0.02                  | 0.00                  | 0.00               | 0.00                     | 0.07        | 1.54              |
| 34        | 0.00                                      | 0.18            | 2.64          | 0.26          | 0.84                   | 0.08               | 0.08               | 0.08                  | 0.04                  | 0.04               | 0.04                     | 0.34        | 4.26              |
| 35        | 0.00                                      | 0.03            | 0.47          | 0.02          | 0.12                   | 0.03               | 0.03               | 0.03                  | 0.02                  | 0.02               | 0.02                     | 0.13        | 0.77              |
| 36        | 0.00                                      | 0.02            | 0.25          | 0.01          | 0.06                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.36              |

| Table     | 57(k) AM        | 10 Carbo     | n Emissi      | ons - DfT Si  | tes                    |                    |                    |                       |                       |                    |                          |             |                   |
|-----------|-----------------|--------------|---------------|---------------|------------------------|--------------------|--------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|
|           |                 |              |               |               |                        |                    | Year 2             |                       |                       |                    |                          |             |                   |
|           |                 |              |               |               | 20                     | 016 Total Em       | issions (thoເ      | sand tonnes (         | CO2)                  |                    |                          |             |                   |
|           |                 |              |               |               |                        |                    | Post-sche          | _                     |                       |                    |                          |             |                   |
| Ref<br>No | PedalC<br>ycles | Motorc ycles | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR<br>igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |
| 37        | 0.00            | 0.01         | 0.15          | 0.04          | 0.03                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.25              |
| 38        | 0.00            | 0.01         | 0.16          | 0.00          | 0.05                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.23              |
| 39        | 0.00            | 0.01         | 0.06          | 0.00          | 0.02                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.10              |
| 40        | 0.00            | 0.03         | 0.57          | 0.03          | 0.19                   | 0.03               | 0.03               | 0.03                  | 0.01                  | 0.01               | 0.01                     | 0.11        | 0.93              |
| 41        | 0.00            | 0.02         | 0.30          | 0.01          | 0.08                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.04        | 0.45              |
| 42        | 0.00            | 0.01         | 0.35          | 0.04          | 0.13                   | 0.03               | 0.03               | 0.03                  | 0.02                  | 0.02               | 0.02                     | 0.14        | 0.67              |
| 43        | 0.00            | 0.04         | 0.30          | 0.22          | 0.09                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.02        | 0.67              |
| 44        | 0.00            | 0.04         | 0.62          | 0.06          | 0.13                   | 0.01               | 0.01               | 0.01                  | 0.00                  | 0.00               | 0.00                     | 0.03        | 0.88              |
| 45        | 0.00            | 0.14         | 2.74          | 0.05          | 0.65                   | 0.06               | 0.06               | 0.06                  | 0.01                  | 0.01               | 0.01                     | 0.21        | 3.79              |
| 46        | 0.00            | 0.01         | 0.10          | 0.01          | 0.03                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.01        | 0.16              |
| 47        | 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              |
| 48        | 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              |
| 49        | 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              |
| 50        | 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              |
| 51        | 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              |
| 52        | 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              |
| 53        | 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              |
| 54        | 0.00            | 0.00         | 0.02          | 0.00          | 0.01                   | 0.00               | 0.00               | 0.00                  | 0.00                  | 0.00               | 0.00                     | 0.00        | 0.03              |

| Table     | 57(I) AM        | 10 Carbon                              | Emissio       | ons - DfT Sit | es                     |                    |                    |                    |                       |                    |                          |             |                   |  |  |
|-----------|-----------------|--|---------------|---------------|------------------------|--------------------|--------------------|--------------------|-----------------------|--------------------|--------------------------|-------------|-------------------|--|--|
|           |                 |  |               |               |                        |                    | Year 2             |                    |                       |                    |                          |             |                   |  |  |
|           |                 |  |               |               | 20                     | 016 Total Em       | issions (thoເ      | ısand tonnes (     | CO2)                  |                    |                          |             |                   |  |  |
|           |                 |  |               |               |                        |                    | Post-sche          | me                 |                       |                    |                          |             |                   |  |  |
| Ref<br>No | PedalC<br>ycles | Motorc<br>ycles                        | Cars<br>Taxis | BusesC oaches | LightGoods<br>Vehicles | V2AxleRi<br>gidHGV | V3AxleRi<br>gidHGV | V4or5AxleR igidHGV | V3or4Axle<br>ArticHGV | V5AxleAr<br>ticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotorV ehicles |  |  |
| 55        | 0.00            |  |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |  |  |
| 56        | 0.00            | .00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 |               |               |                        |                    |                    |                    |                       |                    |                          |             |                   |  |  |
| 57        | 0.00            | 0.00                                   | 0.02          | 0.00          | 0.01                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.00        | 0.03              |  |  |
| 58        | 0.00            | 0.00                                   | 0.03          | 0.01          | 0.01                   | 0.00               | 0.00               | 0.00               | 0.00                  | 0.00               | 0.00                     | 0.00        | 0.05              |  |  |
| 59        | 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              |  |  |
| 60        | 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              |  |  |
| 61        | 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              |  |  |
| 62        | 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              |  |  |
| 63        | 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              |  |  |
| Tot       | 0.00            | 2.27                                   | 30.91         | 3.50          | 8.47                   | 0.86               | 0.86               | 0.86               | 0.23                  | 0.23               | 0.23                     | 3.28        | 48.43             |  |  |

| Table 58 (a) /                                      | AM 10 Car       | bon Emis        | sions - S     | Summary       |                        |                    |                                 |                       |                       |                    |                          |             |                      |
|---|-----------------|-----------------|---------------|---------------|------------------------|--------------------|---------------------------------|-----------------------|-----------------------|--------------------|--------------------------|-------------|----------------------|
|   |                 |                 |               |               |                        |                    | Year 1                          |                       |                       |                    |                          |             |                      |
|   |                 |                 |               |               |                        |                    | Carbon Outp                     | ut                    |                       |                    |                          |             |                      |
| Period  | Pedal<br>Cycles | Motor<br>cycles | Cars<br>Taxis | BusesC oaches | LightGood<br>sVehicles | V2AxleRi<br>gidHGV | re-scheme<br>V3AxleRi<br>gidHGV | V4or5Axle<br>RigidHGV | V3or4Axle<br>ArticHGV | V5AxleA<br>rticHGV | V6orMoreAxI<br>eArticHGV | AIIH<br>GVs | AllMotor<br>Vehicles |
| Flow  | 23424           | 10266           | 6031          | 18461         | 121773                 | 8599               | 1765                            | 2054                  | 448                   | 750                | 901                      | 145         | 768121               |
| Average<br>speed<br>(mph)                           |                 | 16.3            | 16.3          | 16.3          | 16.3                   | 16.3               | 16.3                            | 16.3                  | 16.3                  | 16.3               | 16.3                     | 16.3        | 16.3                 |
| Emission<br>(CO <sub>2</sub><br>thousand<br>tonnes) | 0.00            | 2.22            | 31.10         | 3.46          | 8.16                   | 1.02               | 1.02                            | 1.02                  | 0.24                  | 0.24               | 0.24                     | 3.80        | 48.74                |
|   | <u>.</u>        |                 |               |               |                        | 2015 (             | arbon Outp                      | ut                    |                       |                    |                          |             |                      |
|   |                 |                 |               |               |                        | Po                 | st-scheme                       |                       |                       |                    |                          |             |                      |
| Flow  | 23906           | 9745            | 6005          | 19064         | 123688                 | 8243               | 1816                            | 1782                  | 565                   | 751                | 883                      | 140         | 767099               |
| Average<br>speed<br>(mph)                           |                 | 16.1            | 16.1          | 16.1          | 16.1                   | 16.1               | 16.1                            | 16.1                  | 16.1                  | 16.1               | 16.1                     | 16.1        | 16.1                 |
| Emission<br>(CO <sub>2</sub><br>thousand<br>tonnes) | 0.00            | 1.98            | 30.11         | 3.52          | 8.06                   | 0.93               | 0.93                            | 0.93                  | 0.25                  | 0.25               | 0.25                     | 3.53        | 46.78                |
|   |                 |                 |               |               |                        | Carbon O           | utput Compa                     | arison                |                       |                    |                          |             |                      |
| Traffic Flow<br>(+/-) %                             | 2%              | -5%             | 0%            | 3%            | 2%                     | -4%                | 3%                              | -13%                  | 26%                   | 0%                 | -2%                      | -3%         | 0%                   |
| Speed (+/-)<br>%                                    |                 | -1%             | -1%           | -1%           | -1%                    | -1%                | -1%                             | -1%                   | -1%                   | -1%                | -1%                      | -1%         | -1%                  |
| Emission<br>(g CO <sub>2</sub> /<br>km) (+/-) %     | 0%              | -11%            | -3%           | 2%            | -1%                    | -9%                | -9%                             | -9%                   | 1%                    | 1%                 | 1%                       | -7%         | -4%                  |

| Table 58 (b)  | AM 10 Car | bon Emis | sions - S | Summary |           |           |             |           |           |           |             |      |          |
|---|-----------|----------|-----------|---------|-----------|-----------|-------------|-----------|-----------|-----------|-------------|------|----------|
|   |           |          |           |         |           |           | Year 2      |           |           |           |             |      |          |
|   |           |          |           |         |           |           | arbon Outp  | ut        |           |           |             |      |          |
|   |           |          |           |         |           |           | re-scheme   |           |           | \/= A   A |             |      |          |
| Period  | Pedal     | Motor    | Cars      | BusesC  | LightGood | V2AxleRi  | V3AxleRi    | V4or5Axle | V3or4Axle | V5AxleA   | V6orMoreAxI | AIIH | AllMotor |
| Flow  | 23906     | 9745     | 6005      | 19064   | 123688    | 8243      | 1816        | 1782      | 565       | 751       | 883         | 140  | 767099   |
| Average<br>speed<br>(mph)                           |           | 17.0     | 17.0      | 17.0    | 17.0      | 17.0      | 17.0        | 17.0      | 17.0      | 17.0      | 17.0        | 17.0 | 17.0     |
| Emission<br>(CO <sub>2</sub><br>thousand<br>tonnes) | 0.00      | 1.98     | 30.11     | 3.52    | 8.06      | 0.93      | 0.93        | 0.93      | 0.25      | 0.25      | 0.25        | 3.53 | 46.78    |
|   |           |          |           | •       |           | 2016 C    | arbon Outp  | ut        |           |           |             |      |          |
|   |           |          |           |         |           | Po        | st-scheme   |           |           |           |             |      |          |
| Flow  | 25919     | 10328    | 5902      | 18894   | 123569    | 7454      | 1620        | 1678      | 497       | 730       | 949         | 129  | 755953   |
| Average<br>speed<br>(mph)                           |           | 16.7     | 16.7      | 16.7    | 16.7      | 16.7      | 16.7        | 16.7      | 16.7      | 16.7      | 16.7        | 16.7 | 16.7     |
| Emission<br>(CO <sub>2</sub><br>thousand<br>tonnes) | 0.00      | 2.27     | 30.91     | 3.50    | 8.47      | 0.86      | 0.86        | 0.86      | 0.23      | 0.23      | 0.23        | 3.28 | 48.43    |
|   |           |          |           |         |           | Carbon Ou | utput Compa | arison    |           |           |             |      |          |
| Traffic Flow (+/-) %                                | 8%        | 6%       | -2%       | -1%     | 0%        | -10%      | -11%        | -6%       | -12%      | -3%       | 7%          | -8%  | -1%      |
| Speed (+/-)<br>%                                    |           | -2%      | -2%       | -2%     | -2%       | -2%       | -2%         | -2%       | -2%       | -2%       | -2%         | -2%  | -2%      |
| Emission<br>(g CO <sub>2</sub> /<br>km) (+/-) %     | 0%        | 15%      | 3%        | -1%     | 5%        | -7%       | -7%         | -7%       | -6%       | -6%       | -6%         | -7%  | 4%       |

| Table 58 (c) A                                      | AM 10 Car | bon Emis | sions - S | Summary |           |          |             |           |           |           |             |      |          |
|---|-----------|----------|-----------|---------|-----------|----------|-------------|-----------|-----------|-----------|-------------|------|----------|
|   |           |          |           |         |           |          | Year 3      |           |           |           |             |      |          |
|   |           |          |           |         |           |          | Carbon Outp | ut        |           |           |             |      |          |
|   |           | I        |           |         | 1         |          | re-scheme   |           |           | \/= A   A |             |      |          |
| Period  | Pedal     | Motor    | Cars      | BusesC  | LightGood | V2AxleRi | V3AxleRi    | V4or5Axle | V3or4Axle | V5AxleA   | V6orMoreAxI | AIIH | AllMotor |
| Flow  | 25919     | 10328    | 5902      | 18894   | 123569    | 7454     | 1620        | 1678      | 497       | 730       | 949         | 129  | 755953   |
| Average<br>speed<br>(mph)                           |           | 16.7     | 16.7      | 16.7    | 16.7      | 16.7     | 16.7        | 16.7      | 16.7      | 16.7      | 16.7        | 16.7 | 16.7     |
| Emission<br>(CO <sub>2</sub><br>thousand<br>tonnes) | 0         | 2.27     | 30.91     | 3.50    | 8.47      | 0.86     | 0.86        | 0.86      | 0.23      | 0.23      | 0.23        | 3.28 | 48.43    |
|   |           |          |           |         |           | 2017 (   | Carbon Outp | ut        |           |           |             |      |          |
|   |           |          |           |         |           | Po       | st-scheme   |           |           |           |             |      |          |
| Flow  |           |          |           |         |           |          |             |           |           |           |             |      |          |
| Average<br>speed<br>(mph)                           |           |          |           |         |           |          |             |           |           |           |             |      |          |
| Emission<br>(CO <sub>2</sub><br>thousand<br>tonnes) |           |          |           |         |           |          |             |           |           |           |             |      |          |
|   |           |          |           |         |           | Carbon O | utput Compa | arison    |           |           |             |      |          |
| Traffic Flow (+/-) %                                |           |          |           |         |           |          |             |           |           |           |             |      |          |
| Speed (+/-)<br>%                                    |           |          |           |         |           |          |             |           |           |           |             |      |          |
| Emission<br>(g CO <sub>2</sub> /<br>km) (+/-) %     |           |          |           |         |           |          |             |           |           |           |             |      |          |

## 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 30% of Highway Authority works and 3% of Utility works received early start agreement.

Both Promoters should be treated on an equal standing.

The data indicates that the Highway Authority works had a great number of Early Starts.

| Table 59 | KPI 4 The number     | of occurrences of i | reducing the applicat | tion period (early st | tarts)              |       |                      |               |       |
|----------|----------------------|---------------------|-----------------------|-----------------------|---------------------|-------|----------------------|---------------|-------|
|          | Year 1               |                     |                       | Year 2                |                     |       | Year 3               |               |       |
| Period   | Е                    | arly Starts Agreem  | ents                  | Ear                   | ly Starts Agreement | S     | Early S              | Starts Agreem | ents  |
|          | Highway<br>Authority | Utilities           | Total                 | Highway<br>Authority  | Utilities           | Total | Highway<br>Authority | Utilities     | Total |
| Apr-15   | 5                    | 7                   | 12                    | 7                     | 16                  | 23    |                      |               |       |
| May-15   | 10                   | 7                   | 17                    | 27                    | 12                  | 39    |                      |               |       |
| Jun-15   | 5                    | 14                  | 19                    | 13                    | 6                   | 19    |                      |               |       |
| Jul-15   | 15                   | 35                  | 50                    | 9                     | 10                  | 19    |                      |               |       |
| Aug-15   | 3                    | 21                  | 24                    | 15                    | 10                  | 25    |                      |               |       |
| Sep-15   | 16                   | 28                  | 44                    | 11                    | 7                   | 18    |                      |               |       |
| Oct-15   | 5                    | 27                  | 32                    | 12                    | 5                   | 17    |                      |               |       |
| Nov-15   | 4                    | 23                  | 27                    | 15                    | 26                  | 41    |                      |               |       |
| Dec-15   | 9                    | 13                  | 22                    | 6                     | 1                   | 7     |                      |               |       |
| Jan-16   | 12                   | 17                  | 29                    | 8                     | 8                   | 16    |                      |               |       |
| Feb-16   | 9                    | 21                  | 30                    | 27                    | 8                   | 35    |                      |               |       |
| Mar-16   | 7                    | 12                  | 19                    | 26                    | 14                  | 40    |                      |               |       |
| Total    | 100                  | 225                 | 325                   | 176                   | 123                 | 299   |                      |               |       |

| Table 60 KPI 5 The number of agreements to work in Section 58 and Section 58A restrictions |    |        |   |  |  |
|--|----|--------|---|--|--|
| Year 1   | 12 | Year 2 | 8 |  |  |

| Table 61 KPI 6 The proportion of times that a permit authority intervenes on applications |         |        |         |  |
|---|---------|--------|---------|--|
| Year 1  | No Data | Year 2 | No Data |  |

# 8 APPENDIX 3 - COSTS and INCOME

### 8.1 FEE INCOME

£715,042 of Permit fee income was received.

### 8.2 COSTS BUDGETS AND ACTUALS

The volume of Permits increased in the second year and fee income was in line with what would be expected for this unexpected volume increase.

Due to increases in volumes economies of scale were realised and the average cost of a Permit reduced by circa 5%.

| Table 62 AM 11 – Costs Budgets Against Actuals |                         |                    |                         |                    |                  |                    |
|--|-------------------------|--------------------|-------------------------|--------------------|------------------|--------------------|
| Start up Cost<br>Centre                        | Year 1 + Risk<br>Budget | Year 1 +<br>Actual | Year 2 + Risk<br>Budget | Year 2 +<br>Actual | Year 3 +<br>Risk | Year 3 +<br>Actual |
| KPI Production                                 | 30,000                  | 30,000             | 30,000                  | £37,624            |                  |                    |
| Invoicing                                      | 50,000                  | 2,500              | 50,000                  | £0                 |                  |                    |
| IT support                                     | 24,000                  | 7,000              | £25,000                 | £93,678            |                  |                    |
| Unauthorised /                                 | 40,000                  | 20,000             | £40,000                 | £40,000            |                  |                    |
| Management                                     | 30,000                  | 30,000             | £30,000                 | £27,140            |                  |                    |
| Training                                       |                         | 2,500              | 10,000                  | 16,109             |                  |                    |
| Staff  | 406,000                 | 388,000            | 400,000                 | 428,947            |                  |                    |
| Totals   | 580,000                 | 480,000            | 585,000                 | 643,498            | -                | -                  |

#### 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 63 AM 11 – Average Permit Cost to Utilities |                           |                      |                     |  |  |
|---|---------------------------|----------------------|---------------------|--|--|
| Year 1  |                           |                      |                     |  |  |
| Promoters   | Total Permit Applications | Total Scheme<br>Cost | Average Permit Cost |  |  |
| Utility   | 8,742                     | £480,000             | 54.91               |  |  |
| Year 2  |                           |                      |                     |  |  |
| Promoters   | Total Permit Applications | Total Scheme<br>Cost | Average Permit Cost |  |  |
| Utility   | 12,316                    | £643,498             | 52.25               |  |  |

**END**