



Transport for London
Surface Transport

Cycle Superhighway East-West Route (Phase 1)

Environmental Evaluation Report

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Author(s) and Contributor(s)

- Sophia Borgese (B.Sc.), Strategy Planner, Surface Transport Environment Team
- Giovanni Nacci (B.Sc. M.Sc. AIEMA), Principal Technical Specialist - Environment, Surface Transport Environment Team (Acting as Environmental Manager)

Executive Summary

Introduction

This document presents the outcomes of the environmental evaluation of the East West Cycle Superhighway Phase 1 (i.e. the Project). It includes a brief description of the Project, the evaluation methodology that has been used, the likely environmental impacts of the Project and measures to protect the built and natural environment.

The environmental evaluation follows Surface Transport's Project Environmental Evaluation procedure, part of its Environmental Management System. Where applicable, the environmental evaluation is guided by the Department for Transport's Analysis Guidance (TAG) and Design for Roads and Bridges (DMRB).

Summary of Impacts

Significance of Impacts

The Project is likely to lead to localised and route-wide beneficial and adverse environmental impacts; these impacts span the whole significance spectrum from significant to slight, including many areas where the Project is likely to have a neutral impact on the environment.

The environmental evaluation has concluded that the Project is unlikely to have significant environmental impacts on the following areas:

- Planning and Transport Policy
- Biodiversity
- Cultural Heritage
- Townscape
- Water Resources
- Physical Fitness
- Journey Experience
- Sustainable Design
- Environment Management

For Dust and Emissions to Air, significant impacts both adverse and beneficial are likely to occur at a localised level. Overall, substantial beneficial impacts are expected on 5.8km of the London road network (both the route and other impacted roads), moderate beneficial impacts on 9.3km of the network, substantial adverse impacts on 0.41km of the network, and moderate adverse impacts on 3.3km of the network.

For Noise and Vibration, significant beneficial impacts are likely to occur at a localised level. For example significant beneficial impacts are expected on 3.2km of the London road network whilst significant adverse impacts are expected on 0.39km of the network.

Air quality and noise impacts are driven by the redistribution of traffic on and around the Route. Traffic redistribution in turn redistributes air and noise emissions across the study area. Overall, the Project will not increase Dust and Air Emissions, or Noise and Vibration.

The next paragraphs and Table 1 below summarise the main environmental impacts of the Project during the construction and operational phase.

Operational phase

Benefits

The Project is likely to have a number of route-wide benefits, for instance it supports a number of local, regional and national policies which aim to encourage cycling and the use of more sustainable modes of transport. The Project is also likely to improve cyclists' journey experience and their physical fitness

The Project is likely to have a number of localised benefits particularly in terms of noise and air quality. For instance 138 road-links would experience a reduction in noise. The magnitude of these impacts is such that overall the scheme will bring more beneficial localised noise impacts than adverse localised noise impacts. Localised air quality benefits are likely on 30.4km of road, leading to more air quality benefits than disbenefits overall.

Disbenefits

There are no route-wide disbenefits.

Where disbenefits are likely to arise, these tend to be of a localised nature. For instance there will be localised disbenefits to biodiversity where trees will be felled and green estate removed. The loss of trees and green estate is not likely to lead to disbenefits to Cultural Heritage and Townscape.

Localised noise and air quality disbenefits are likely to occur as a result of redistribution of traffic at certain locations. For instance 143 road links will experience a minor increase in noise, and 3 links a moderate increase in noise. However no major adverse impacts are expected, and the magnitude of these moderate and minor impacts is such that overall the scheme will bring more beneficial localised noise impacts than adverse localised noise impacts. Specifically, the scheme is expected to result in major positive noise impacts on 0.68km of the network, and moderate positive impacts on 2.6km of the network.

Localised air quality disbenefits are likely to occur on 27.6 km of road, overall however, more road network will experience benefits in air quality (30.4km of road) than disbenefits.

Energy consumption from way-finding monoliths will have a negative impact on energy efficiency objectives.

Construction phase

During the construction works, some slight temporary and localised adverse impacts will arise in the form of visual intrusion, energy consumption, waste production, dust, emissions to air, noise, vibration and disruption to the existing and other cycle routes.

Table 1: Summary of Environmental Impacts

| | Construction Phase | Operational Phase | Scale |
|--------------------------------------|---------------------------|----------------------------|--------------|
| Planning and Transport Policy (p.10) | 0 | + + | Route-Wide |
| Biodiversity (p.10) | - | 0 to - | Local |
| Cultural Heritage (p.14) | 0 to - | 0 | Local |
| Townscape (p.17) | 0 to - | 0 | Local |
| Noise and Vibration (p.18) | - | +++ to - - | Local |
| Dust and Emissions to Air (p.22) | - | +++ to - - - | Local |
| Water Resources (p.23) | 0 | 0 | Route-Wide |
| Physical Fitness (p.23) | 0 | + | Route-Wide |
| Journey Experience (p.24) | - | + + | Route-Wide |
| Sustainable Design (p.25) | - | 0 to - | Local |
| Key: | | | |
| - Slight Adverse | O Neutral | + Slight Beneficial | |
| - - Mode Adverse | | ++ Moderate Beneficial | |
| - - - Significant Adverse | | +++ Significant Beneficial | |

Project Description & Methodology

Project Description

TfL is proposing a continuous largely segregated cycle route between Tower Hill and Westbourne terrace. The Route (i.e. the geographical area along which the Project will operate) is about 9.5km in length and extends from the A1211 Tower Hill in the London Borough of Tower Hamlets to Westbourne Terrace in the City of Westminster. It will provide a clear and convenient route for cyclists, physically separated from other vehicles. Space for the new cycle route will be created through the reallocation of road space and a change in the operation of some junctions.

This environmental evaluation covers Phase 1 of the East-West Route, between Westbourne Terrace and Tower Hill, where it would connect to the existing Superhighway Route 3. The Route passes along Lower and Upper Thames Street, Victoria Embankment, across Parliament Square, and through St James's Park and Hyde Park. There will also be connections to other existing and proposed cycle routes such as other Cycle Superhighways and Quietways. At the time of the assessment, designs – including proposals for the Royal Parks - were yet to be finalised following public consultation, however these changes have been reviewed by TfL's environmental team and are not expected to substantially change the outcome of the Environmental Evaluation.

The Project is located in three Local Authorities; these are, from East to West:

- London Borough of Tower Hamlets
- City of London
- City of Westminster

Overall the Project runs on Local Authority roads, Transport for London Road Network (TLRN) and through Hyde Park. Figure 1 shows the geographical extent of the Project (including a potential future Phase 2, over the A40 Westway – which is not the subject of this environmental evaluation).

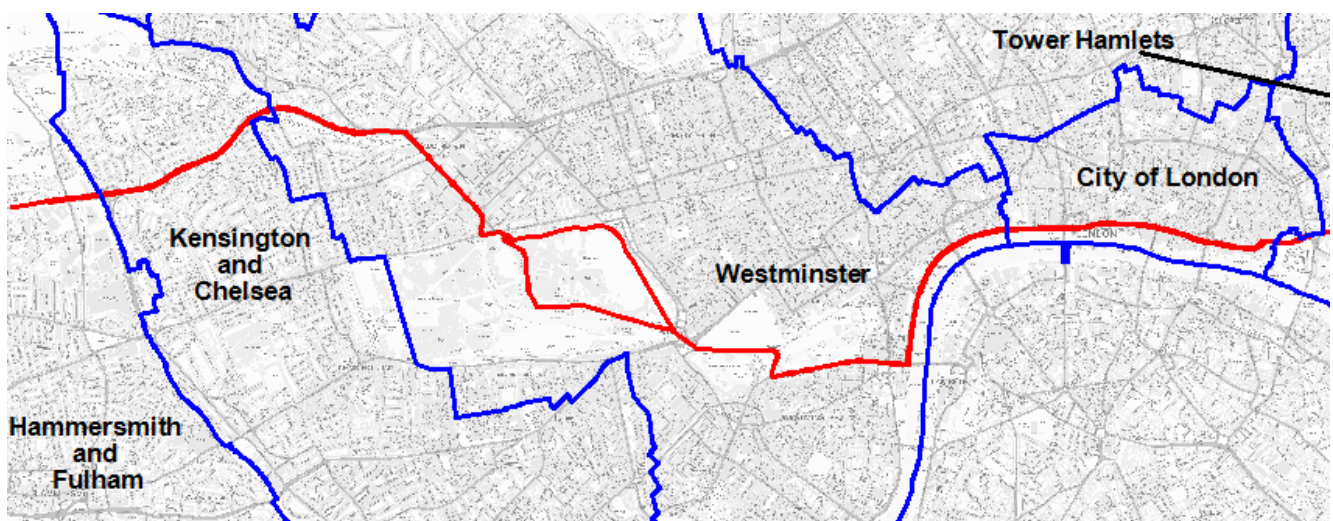


Figure 1 - Geographical illustration of Cycle Superhighway Route East-West

The Project will aim to deliver the following measures where appropriate:

- Cyclist segregation from general traffic on the entire Route
- Advanced Stop Lines (ASLs)
- Safety mirrors at left turns
- De-cluttering
- Improved lighting
- Planting
- Improved pedestrian facilities
- Way-finding
- Cycle Parking
- Early starts for cyclists
- Cycle specific stages at junctions
- Coach and bus stop bypasses
- Two stage right turns for cyclists

The route will require changes to the road layout:

- A wide two-way kerb-segregated cycle track in the road, meaning a reduction in traffic lanes along most sections of the proposed route. The segregation would be removable in certain areas for ceremonial and state occasions and other major events.
- New segregated cycle tracks replacing a traffic lane in both directions on Westbourne Terrace
- Redesigned junctions, including segregated route for cyclists through Parliament Square and the partial removal of the Lancaster Gate one-way system
- Banned turns or other restrictions for motorists at various locations. Proposals include the closure of Horse Guards Road at its junction with Birdcage Walk and Great George Street to general traffic (except cyclists and official vehicles), and the closure of Shorter Street to general traffic (except buses and cyclists)
- Changes to parking and loading arrangements, including reduction in motorcycle and car parking and the relocation of some coach parking on Victoria Embankment
- Changes to bus and coach stops, including new bypasses for cyclists at Tower Hill, Lower Thames Street and Victoria Embankment
- Changes to footways and pedestrian crossings as there would be footway extensions in some areas including Parliament Square and Hyde Park Corner. However there are also areas where footways would need to be reduced to make room for the cycle track
- Segregated cycle tracks would be created on the traffic roads in Hyde Park (however details of route here have not been issued and will undergo further consultation).

Environmental Evaluation Methodology

The environmental evaluation of the Project follows Surface Transport's Project Environmental Evaluation Procedure, part of its Environmental Management System. Where applicable, the environmental evaluation is guided by the Department for Transport's Analysis Guidance (TAG) and the Highway Agency's Design for Roads and Bridges (DMRB). Appraisal methodologies are discussed in more detail under each relevant section.

This Environmental Evaluation Report defines the requirements for achieving the appropriate level of environmental evaluation for a project so that negative environmental impacts are understood and minimised, environmental benefits are enhanced, environmental risks are managed, challenges to the project are reduced and the required relevant environmental opinions, directions, consents, permits and licenses are identified. The Report provides assurance to the Project Manager, Client and Environmental Manager that the project's design

and performance, the appraisal, monitoring and sampling methodology used, and other technical and reporting activities are of the required quality and standard to meet TfL's environmental obligations.

This report has been adapted from the Environmental Evaluation Report Template shown in Appendix A.

Consultation

Consultation involving key stakeholders took place from the end of September 2014 to the beginning of November 2014.

Detailed Appraisal

Planning and Transport Policy

The Project is consistent and in accordance with national, regional and local planning and transport policy objectives which seek to achieve a more sustainable transport system by promoting cycling (Appendix B). The Project complements other existing and proposed initiatives such as other Cycle Superhighways, the London Cycle Network, Legible London, London Cycle Hire Scheme and The Mayor’s Vision for Cycling in London. The Project will therefore result in moderate beneficial effects on planning and transport policy.

Biodiversity

There are four key biodiversity elements along the Route, these are: Metropolitan Open Land (MOL), Sites of Importance for Nature Conservation (SINCs), protected species and street trees.

MOL designation is unique to London and benefits from the same level of protection as Green Belt. As such MOL is the most important green space along the Route. MOL along the Route includes St James’s Park, Green Park and Hyde Park (The Royal Parks).

SINCs are the next most important green spaces along the Route. They form part of a national network of non-statutory valued natural sites of Metropolitan, Borough or Local importance Figure 2 and Table 2 displays SINCs in the area surrounding the Project.

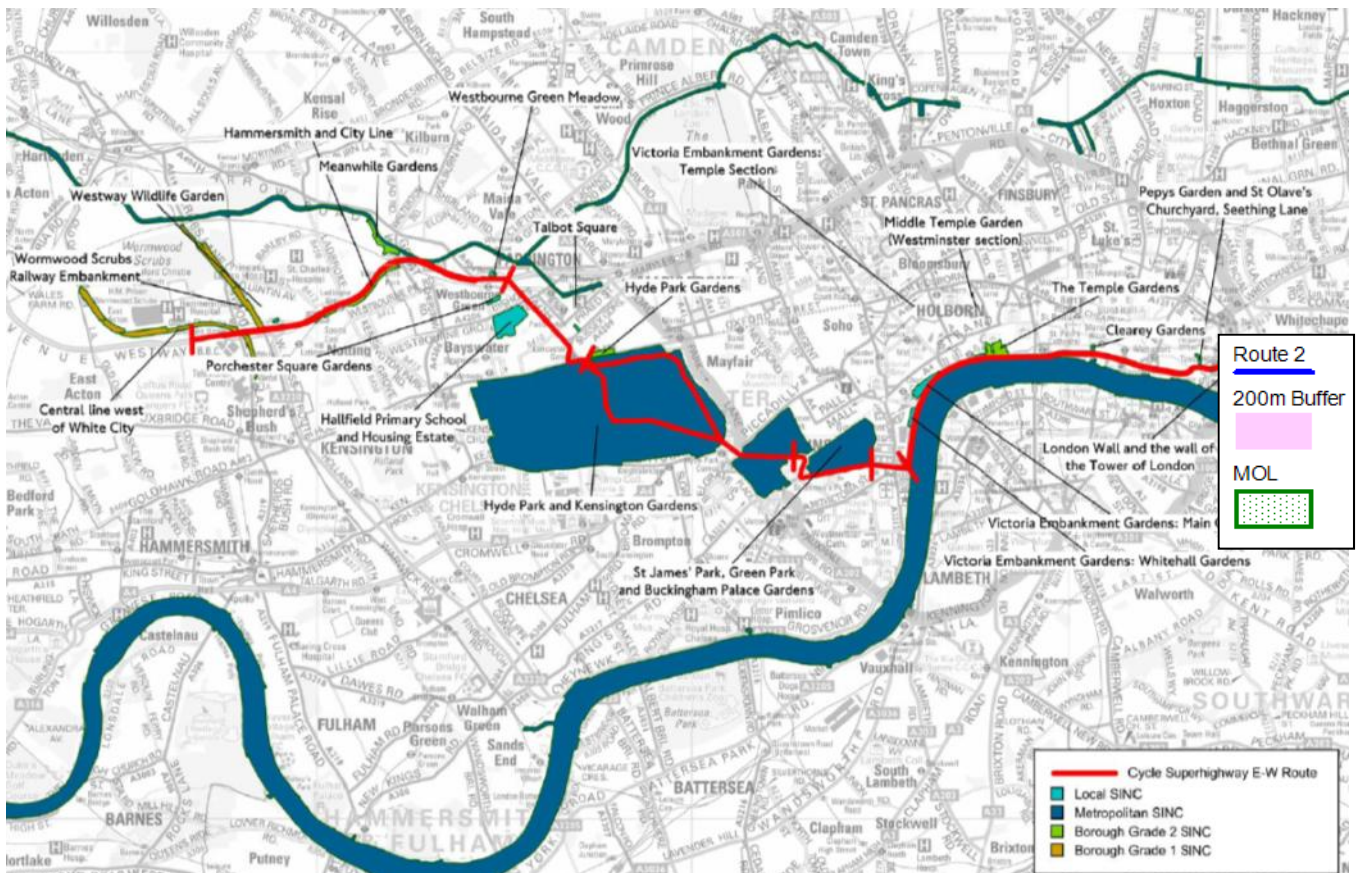
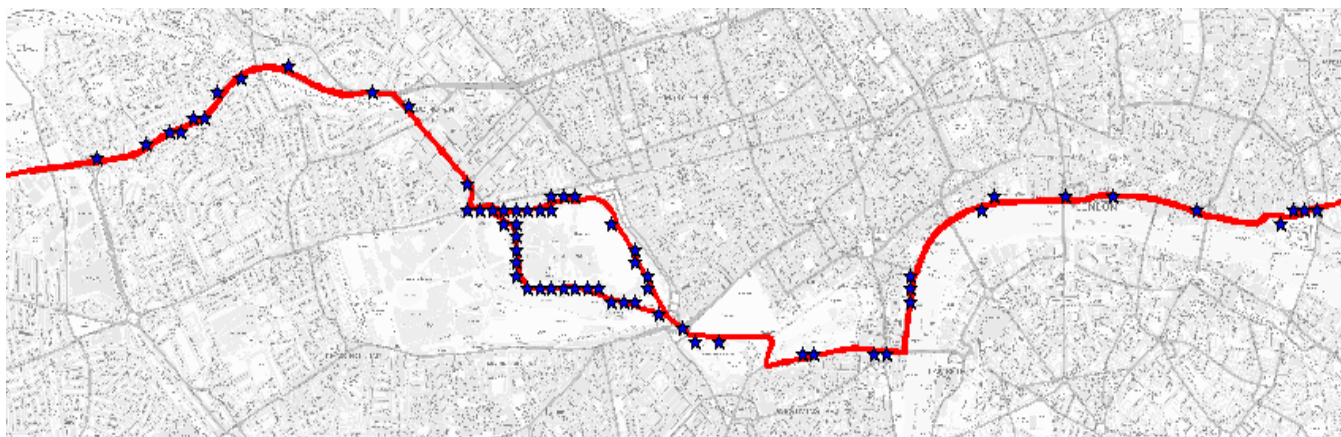


Figure 2 - Sites of Importance for Nature Conservation

Table 2 - Sites of Importance for Nature Conservation

| |
|---|
| St Katherine's Dock, Pepys Garden and St Olave's Church, Clearey Gardens, the Temple Gardens, Victoria Embankment Gardens (Temple Section, Main Gardens, Whitehall Gardens), Westminster Abbey Great Cloister and College Garden, Strand, Savoy, River Thames |
| St James's Park, Green Park, Buckingham Palace Gardens |
| Hyde Park and Kensington Gardens, Hyde Park Gardens |
| Talbot Square, Hallfield Primary School and Housing Estate, Porchester Square Gardens |

A number of protected species have been sighted along the Route (Figure 3). These are animals and plants which, as a result of their rarity, vulnerability or persecution, are given some form of special protection through wildlife legislation. Species which may be found on the highway and therefore at potential impact from the Project are birds and bats which may nest or roost in street trees.

**Figure 3 – Sighting of Protected Species**

There are a large number of street trees along the Route. Trees are extremely important in an urban environment as they not only provide habitat sites for a number of protected species, but they also improve the visual appearance of an area. Trees also contribute towards the reduction of atmospheric particulate matter (PM₁₀) and help adapt to climate change.

Preliminary design indicates that 11 street trees will be removed and approximately 2,005m² of green estate; the location of these is identified in Table 3. At present the only new and replacement planting proposed is on the corner of Great Tower Street and Lower Thames Street where the subway entrance will be closed and planters placed there, therefore replacing the existing planter which is being removed to increase available footway area. Trial holes are to be undertaken across the Route to identify further locations suitable for tree planting. Protected species may be affected as a result of tree removal.

Table 3- Proposed Tree Loss and Green Estate Loss

| Location | TLRN / Borough Road Ownership | Scheme Proposal | Proposed Impact E.G. Tree Loss / Green Estate Loss | Green Estate Loss m ² | Tree Species |
|---|-------------------------------|--|--|----------------------------------|--------------------|
| Tower Hill - Shorter Street | TLRN | Tree removal required to allow cycle facility to run through Shorter Street | Tree loss | | Whitebeam (likely) |
| Tower Hill - Shorter Street / Mansell Street | TLRN | Tree removal required to allow cycle facility to run through Shorter Street | Tree loss | | London Plane Tree |
| Tower Hill - Traffic island at Tower Hill / Minories junction | TLRN | Remove traffic island to form cycle track segregation | Tree loss | | London Plane Tree |
| Tower Hill - Traffic island at Tower Hill / Minories junction | TLRN | Remove traffic island to form cycle track segregation | Tree loss | | London Plane Tree |
| Tower Hill bus stop (westbound) | TLRN | Cut back the grass hill where it is muddy, and pave past the statue to provide for the desire line and improve the appearance. Use sleepers against the edge of the mound, to form informal seating / step up onto the mound and prevent the same muddy area reinstating itself. | Green estate loss | 30 | |
| Great Tower Street / Byward Street Planter | TLRN | Remove planter to open up the footway and reduce conflict between cyclists and pedestrians who need to access Gt Tower St. | Tree loss | | |
| Great Tower Street / Byward Street Planter | TLRN | Remove planter to open up the footway and reduce conflict between cyclists and pedestrians who need to access Gt Tower St. | Tree loss | | Olive |
| Great Tower Street / Byward | TLRN | Remove planter to open up the footway and reduce conflict | Tree loss | | Olive |

| Location | TLRN / Borough Road Ownership | Scheme Proposal | Proposed Impact E.G. Tree Loss / Green Estate Loss | Green Estate Loss m ² | Tree Species |
|--|-------------------------------|--|--|----------------------------------|--------------|
| Street Planter | | between cyclists and pedestrians who need to access Gt Tower St. | | | |
| Great Tower Street / Byward Street Planter | TLRN | Remove planter to open up the footway and reduce conflict between cyclists and pedestrians who need to access Gt Tower St. | Green estate loss | 26 | |
| Castle Baynard Street planter (City owned) | Borough | Tree removal required to allow cycle facility to run through the existing planter location into Castle Baynard Street. | Tree loss | | |
| Castle Baynard Street planter (City owned) | Borough | Tree removal required to allow cycle facility to run through the existing planter location into Castle Baynard Street. | Tree loss | | |
| Castle Baynard Street planter / Puddle Dock (City owned) | Borough | Planter will need to be cut back to allow the junction to be opened up and provide a left turn onto Upper Thames Street. | Tree loss | | |
| Castle Baynard Street planter / Puddle Dock (City owned) | Borough | Planter will need to be cut back to allow the junction to be opened up and provide a left turn onto Upper Thames Street. | Green estate loss | 96 | |
| Bayswater Road / Lancaster Gate Gyrotory | Borough | Traffic island is being removed to allow traffic to flow ahead on Bayswater Road rather than around the gyrotory. | Tree loss | | |
| Hyde Park Corner / Wellington Arch | Borough | | Green estate loss | 713 | |
| Constitution Hill | Borough | Using the existing horse ride as cycle track. Removal of some grass separating the footway and (proposed) cycle track. | Green estate loss | 1140 | |

TAG helps determine the impact that a project may have on biodiversity by combining the nature conservation value of an environmental feature, in this case the 11 street trees and 2,005m² of green state, with the magnitude of a project's impact. The conservation value of the 11 trees and of 2,005m² of green state of high or medium importance at the local scale with a limited potential for substitution, the magnitude of the impact in the area is minor negative. Therefore the overall impact is:

Value (high or medium) + Magnitude (minor negative) = Slight Adverse

The impact on biodiversity may worsen if further trees are to be felled or green estate is removed.

There are also a number of trees that whilst not at risk they are in close proximity to the works. The potential adverse impact to these trees must be noted and appraised prior to commencement of the works. The National Joint Utilities Group's (NJUG) 'Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees' and the British Standard 'BS 5837:2005, Trees in relation to construction – Recommendations' states that within the prohibited zone (i.e. one metre from the tree trunk) excavation of any kind must not be undertaken unless there has been full consultation with the TfL Arboricultural and Landscape Manager.

Removal of trees must be agreed with TfL Arboricultural and Landscape Manager. Trees in Conservation Areas must not be felled unless the Local Authority has been notified.

The contractors will be required to produce an Environmental Management Plan through which they will seek to ensure that biodiversity features along the Route are protected and that a neutral impact on biodiversity is maintained during the implementation of the Project.

If protected species are present during works, TfL will ensure that only Defra licensed ecologists handle protected species. The Project Team has and will be in contact with the TfL Arboriculture and Landscape Manager for the area throughout the development of the Project.

The window for carrying out ecological surveys (Spring and Summer) has elapsed. Whilst there is no risk of nesting birds in Autumn and Winter – when the trees are likely to be felled – there may be a risk of removing bats or their roosts. Therefore an Ecological Clerk of Works may be required during the tree felling stage.

Cultural Heritage

There are a number of heritage designations, features and assets along the Route. These include Conservation Areas (Figure 4), Archaeological Priority Areas (Figure 5), Listed Buildings and Structures (Figure 6), Scheduled Monuments and World Heritage Sites (Figure 7).

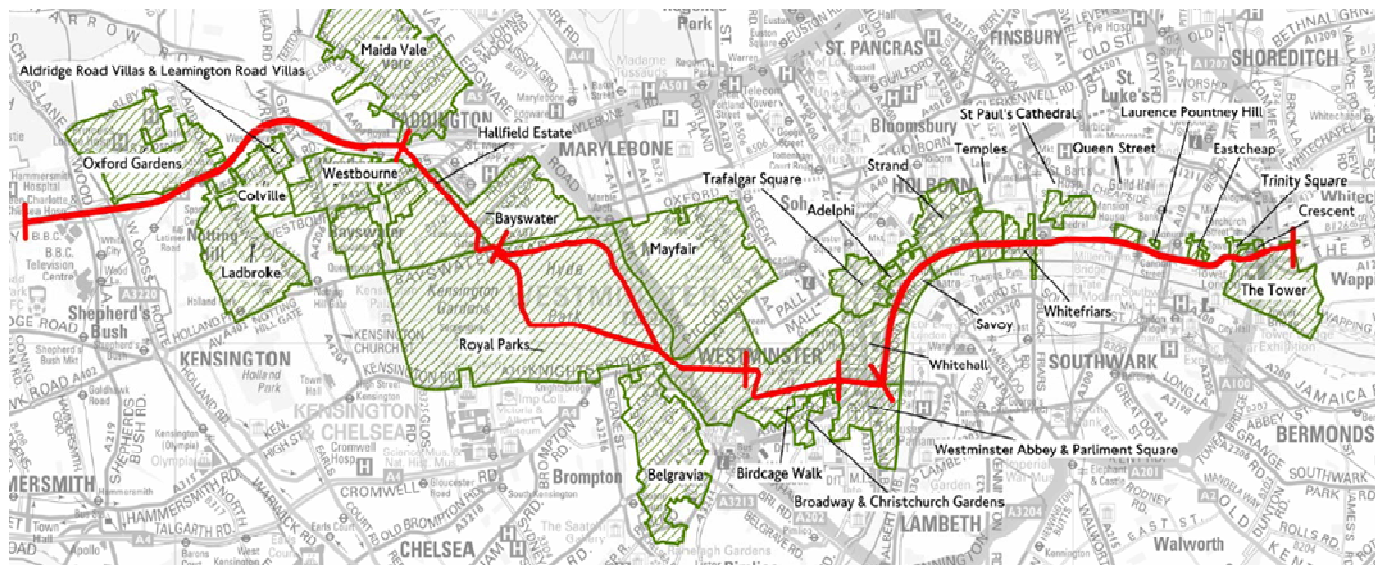


Figure 4 - Conservation Areas

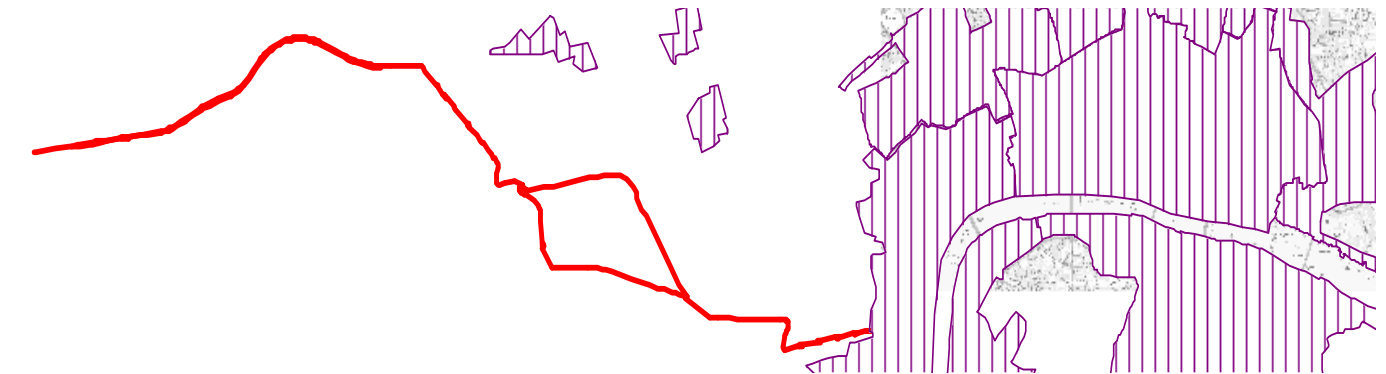


Figure 5 - Archaeological Priority Areas

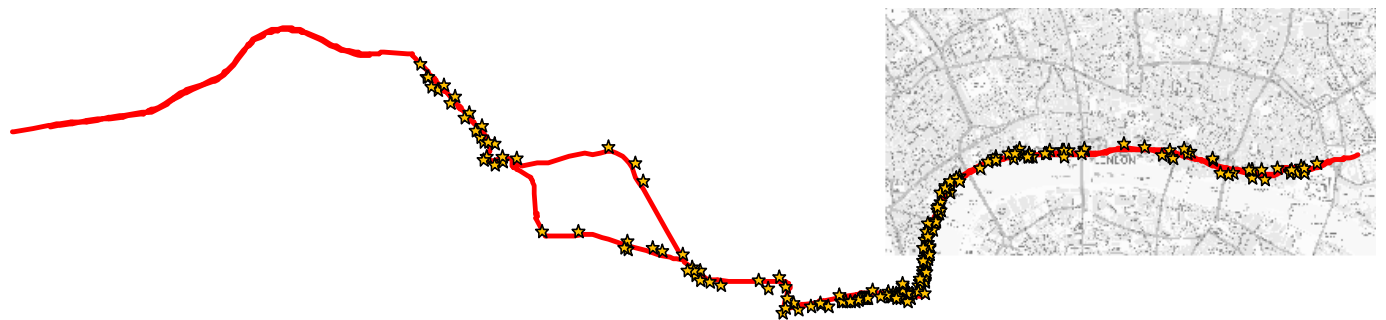


Figure 6 - Listed Buildings and Structures

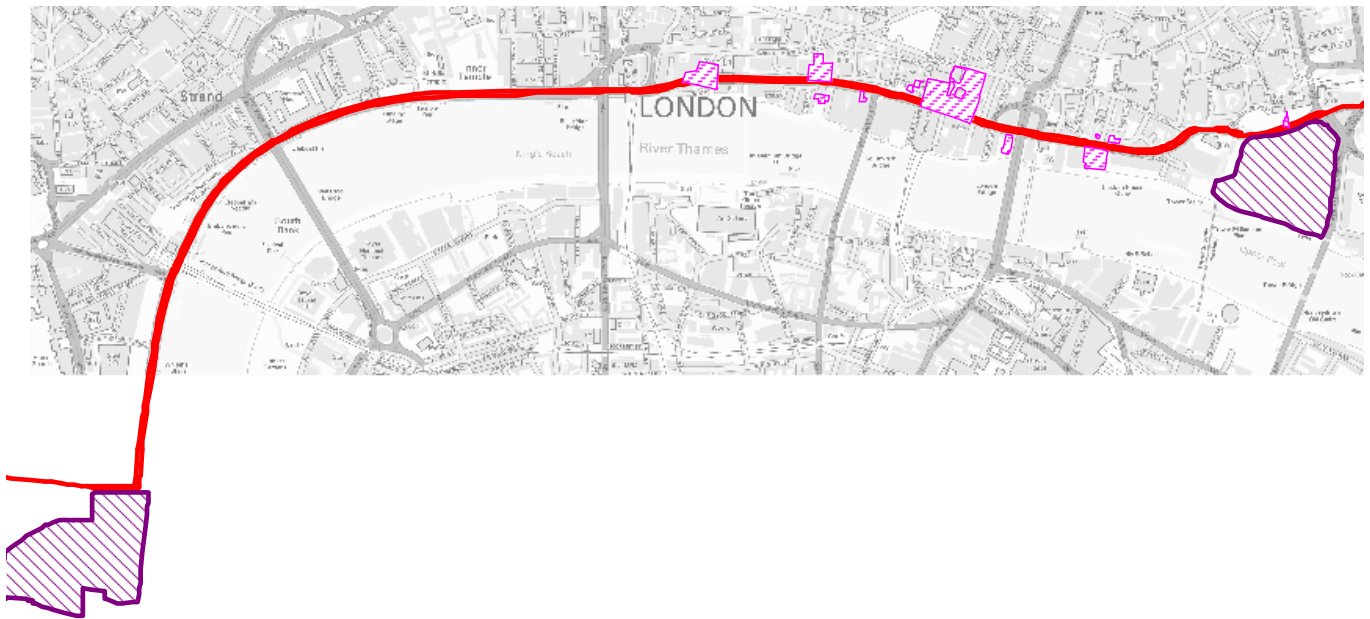


Figure 7 - Scheduled Monuments and World Heritage Sites

Appendix C lists all Conservation Areas along the route and provides a brief description of each together with an appraisal of the likely impacts of the Project. Appendix D lists nationally and locally Listed Buildings and Structures along the Route.

There are two World Heritage Sites (WHS) along the Route; these are The Tower of London and The Palace of Westminster, Westminster Abbey with St Margaret's Church. The scheme is not within the WHSs boundaries. Works must not take place within the boundaries highlighted in Appendix E without prior consultation with the Environmental Manager and English Heritage.

The Scheduled Monuments along the Route are:

- Baynards Castle
- Huggin Hall Roman Baths
- Vintners Hall
- Roman Governors Palace (site of)
- Fish Mongers Hall
- Structure of archaeological interest below Billingsgate Market
- Roman Hypocaust and building on site of Coal Exchange
- Remains of mediaeval and Roman wall by Tower Hill station

Overall, the impact of the Project on cultural heritage during implementation and operation is expected to be neutral. This conclusion was derived by applying professional judgment guided by TAG.

In all conservation areas the impact is likely to be neutral as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.

New way-finding street furniture, blue Cycle Superhighway branding and lighting upgrades are not likely to impact on the current heritage status of the Conservation Areas. Some excavation may be required particularly when relocating stats and utilities. Required excavation is likely to be under 45cm and therefore have a neutral impact on archaeological

remains. In London, archaeological remains tend to be found at a depth greater than one metre from the surface (with the exception of some ancient walls and Scheduled Ancient Monuments which are protected from the surface). If any excavation is to be over one metre, then the contractors will be expected to hand-dig the site if in an archaeological priority area. If archaeological remains are found, work shall stop and will only resume after approval from the relevant Local Authority Conservation Officer is received.

The contractors will be required to produce an Environmental Management Plan through which they will seek to ensure that cultural heritage features along the Route are protected and that a neutral impact on cultural heritage is maintained during the construction of the Project.

Townscape

The Project is located within three broad townscape character areas identified in Figure 8 and described in Table 4.

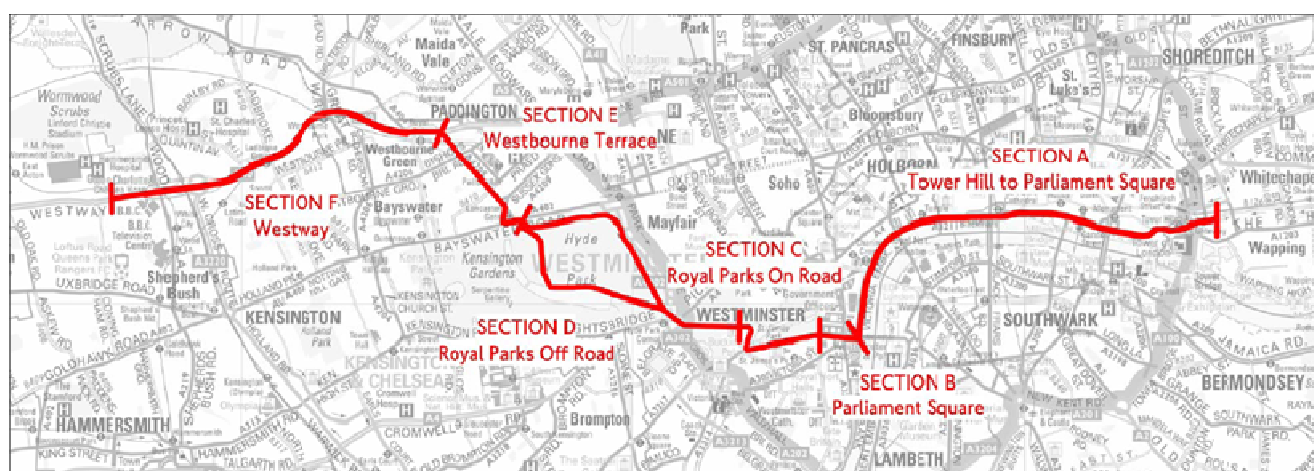


Figure 8 - Streetscape Character Areas

Table 4 - Streetscape Character Areas

| Section | Streetscape | Definition |
|---------|---|--|
| A | Urban Civic, Retail and Commercial (Tower Hill to Westminster Bridge) | Areas which are dominated by substantial government and commercial office buildings of both traditional and contemporary style of significant stature, both historic and contemporary in style. High volumes of pedestrians, congested at peak times |
| B | Urban Civic, Retail and Commercial (Westminster Bridge to St James's Park) | |
| C | Urban Residential and Civic (St James's Park) | Privately owned properties face directly onto the street, the streets may be enclosed by buildings of significant stature, both historic and contemporary in style. St James's Park is the key green feature of the area |
| D | Metropolitan Open Land (Royal Parks and Buckingham Palace) | Green open land used for leisure and of ecological value. Where there is traffic it tends to |

| | | |
|---|--|---|
| | | be quite dense. |
| E | Urban Residential (Westbourne Terrace) | Privately owned properties face directly onto the street, the streets may be enclosed by buildings of significant stature, both historic and contemporary in style. |

Overall, the impact of the Project on the townscape during the operational phase is expected to be neutral. This conclusion was derived by applying professional judgement guided by TAG.

TAG describes a project to have a neutral effect on townscape when it:

- Avoids neither being visually intrusive nor has an adverse effect on the current level of tranquillity (where these exist) of the townscape through which the route passes.
- Maintains existing townscape character in an area which is not a designated townscape, that is, neither national nor local high quality, nor is it vulnerable to change.
- Avoids conflict with government policy towards enhancing urban environments.

The townscape is already subject to stress conditions and the proposed measures are not expected to worsen them.

Some temporary and localised visual intrusion from the construction phase will have a slight adverse impact on townscape.

Overall the Project is expected to have a slight adverse impact on townscape during the construction phase due to the traffic diversions and the consequent disruption to travel. In addition disruption could be worsened as a result of cumulative impacts from the simultaneous implementation of other projects in the area. During the operational phase, depending on location, the Project is expected to have a neutral to slight adverse impact. Operational impacts could be worsen if the number of trees lost increases.

Noise and Vibration

The Route passes through some densely populated areas; some of which have been identified by Defra as Important Areas for Noise. These are areas where the highest volume of traffic meets the highest number of noise sensitive receptors (Figure 9 and Table 5).

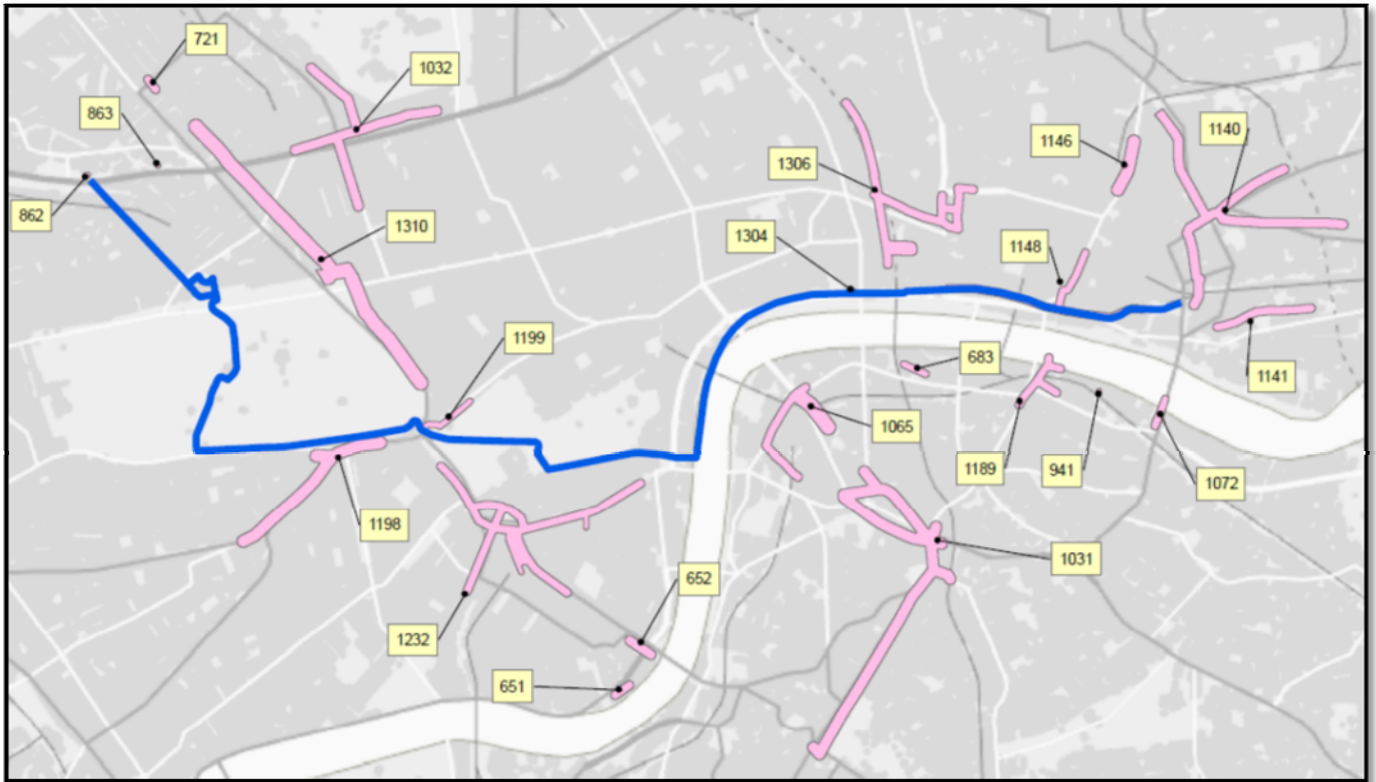


Figure 9 - Important Areas for Noise

Table 5 - Important Area for Noise

| Important Area ID | London Borough | List of Roads | Length (km) |
|--------------------------|-------------------------------------|---|--------------------|
| 651 | Westminster | A3212 Grosvenor Road | 0.12 |
| 652 | Westminster | A202 Vauxhall Bridge Road | 0.18 |
| 683 | Southwark | Southwark Street | 0.17 |
| 721 | Westminster | Maida Vale | 0.09 |
| 862 | Westminster | A40 Westway | 0.02 |
| 863 | Westminster | A40 Westway | 0.01 |
| 941 | Southwark | Bermondsey Street | 0.01 |
| 1031 | Lambeth & Southwark | A301 Waterloo Road, Westminster Bridge Road and A201 London Road | 3.63 |
| 1032 | Westminster | A501 Marylebone Road and A41 Gloucester Place | 2.11 |
| 1065 | Lambeth | A301 Waterloo Road, York Road and Addington Street | 1.13 |
| 1072 | Southwark | A100 Tower Bridge Road | 0.2 |
| 1140 | Tower Hamlets & City of London | A1202 Commercial Street | 3.08 |
| 1141 | Tower Hamlets | A1203 The Highway | 0.68 |
| 1146 | Tower Hamlets & City of London | Bishopsgate | 0.37 |
| 1148 | City of London | A3211 Upper Thames Street and A1213 Gracechurch Street | 1.86 |
| 1189 | Southwark | St Thomas Street, Duke Street | 0.65 |
| 1198 | Kens and Chelsea & Westminster | A4 Knightsbridge | 1.33 |
| 1199 | Westminster | A4 Piccadilly | 0.41 |
| 1232 | Westminster | A302 Grosvenor Place, A202 Vauxhall Bridges Road and A3214 Buckingham Palace Road | 3.6 |
| 1304 | City of London | A3211 Victoria Embankment | 0.02 |
| 1306 | Camden & City of London & Islington | A40 Newgate Street and A201 Farringdon Street | 2.63 |
| 1310 | Westminster | Park Lane, A5 Edgware Road | 2.47 |

A high level noise assessment for short term impacts was carried out by Aecom following DMRB. Results show that the likely impact of the Project on noise ranges from Major Beneficial to Moderate Adverse as shown in Table 6, Figure 10 and Appendix F. The table and Appendix F shows road links where there is a change in Basic Noise Level (BNL) of over 1dB. Changes less than 1dB are deemed to be negligible. Changes between 1dB and 2.9dB are deemed to be minor. Changes between 3dB and 4.9dB are deemed to be moderate. Changes above 5dB are deemed to be major.

Table 6 – Noise Impact by Road Length

| Type of Impact | Magnitude of Impact | Number of Links | Total Length of Links (km) | Number of Links within IAs | Total Length of Links within IAs (km) |
|----------------|---------------------|-----------------|----------------------------|----------------------------|---------------------------------------|
| Beneficial | Major | 8 | 0.684 | 0 | 0.000 |
| | Moderate | 23 | 2.557 | 1 | 0.002 |
| | Minor | 107 | 14.983 | 7 | 1.092 |
| Adverse | Minor | 143 | 17.767 | 22 | 1.683 |
| | Moderate | 3 | 0.387 | 0 | 0.000 |
| | Major | 0 | 0.000 | 0 | 0.000 |



Figure 10 - Noise Impact

In total there are 284 links where noise changes by more than 1dB; 146 links will experience an increase in noise whilst 138 would experience a reduction in noise. The magnitude of these increases however is such that overall the Project will bring more beneficial impacts than adverse impacts as moderate or major beneficial impacts are expected on 31 links (3.09km) and moderate or major adverse impacts on 3 links (0.37km).

The noise assessment at this stage has not identified the location of sensitive receptors and the impact of noise on those sensitive receptors.

Some localised short-term slight adverse impacts on noise and vibration can be expected during the construction phase from the use of plant and vehicles.

Appropriate mitigation measures that seek to minimise noise during this phase will be put in place by the contractors. The contractors will be required to produce an Environmental Management Plan through which they will seek to minimise noise and vibration during the implementation phase.

Dust and Emissions to Air

Part of the Route passes through areas which exceed air quality standards (Figure 11).

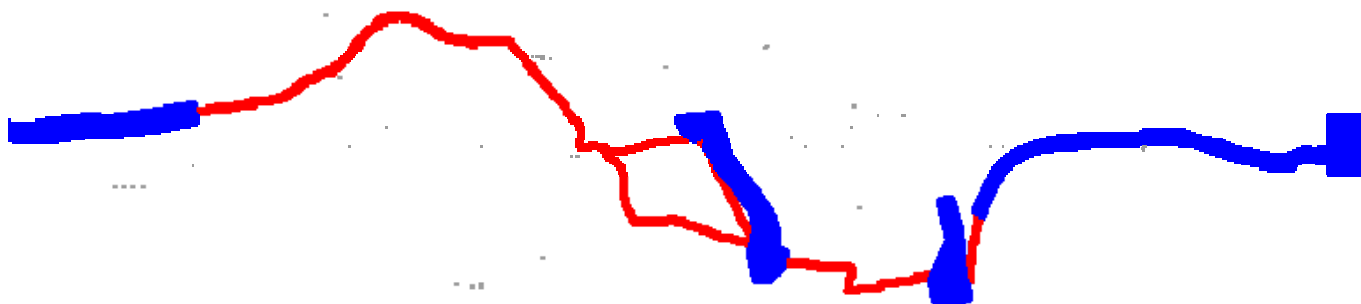


Figure 11 - Areas of Air Quality Standard Exceedance

A high level air quality assessment was carried out by Aecom following DMRB. Results show that the likely impact of the Project on air quality ranges from Significant Adverse to Significant Beneficial as shown in Table 7, Figure 12, and Appendix G. A significant impact is one of moderate or substantial impact.

Table 7 - NO₂ Impact by Road Length

| Significance of Impact | Number of Links | Road Length (m) |
|------------------------|-----------------|-----------------|
| Substantial adverse | 3 | 411 |
| Moderate adverse | 34 | 3,272 |
| Minor adverse | 232 | 23,960 |
| Negligible | 76 | 7,595 |
| Minor beneficial | 123 | 15,289 |
| Moderate beneficial | 56 | 9,276 |
| Substantial beneficial | 40 | 5,804 |



Figure 12 - Changes in Predicted Annual Mean NO₂ Concentration

The assessment focuses on the road links with a change of more than 1,000 AADT, as changes in local air quality are considered negligible below this threshold (Source: DMRB).

Overall, 27.6 km of road is expected to have adverse impacts and 30.4 km to have beneficial impacts. Of this, significant beneficial impacts are expected on 15.1 of the road network compared with significant adverse impacts on 3.7 of the road network. The study shows that changes in traffic will redistribute emissions across the study area but will not increase overall emission levels.

Some localised short-term slight impacts on local air quality can be expected during the implementation phase from the use of plant and vehicles.

The contractors will be required to produce an Environmental Management Plan through which they will seek to minimise dust and emissions to air during the implementation phase. TfL will require the contractor to comply with the Greater London Authority and London Councils' Control of Dust and Emissions from Construction and Demolition Best Practice Guidance.

Water Resources

The eastern part of the Route lies in areas identified by the Environment Agency as being at risk of flooding. The southernmost part of the route is adjacent to the River Thames. Figure 13 displays Flood Risk Zones.

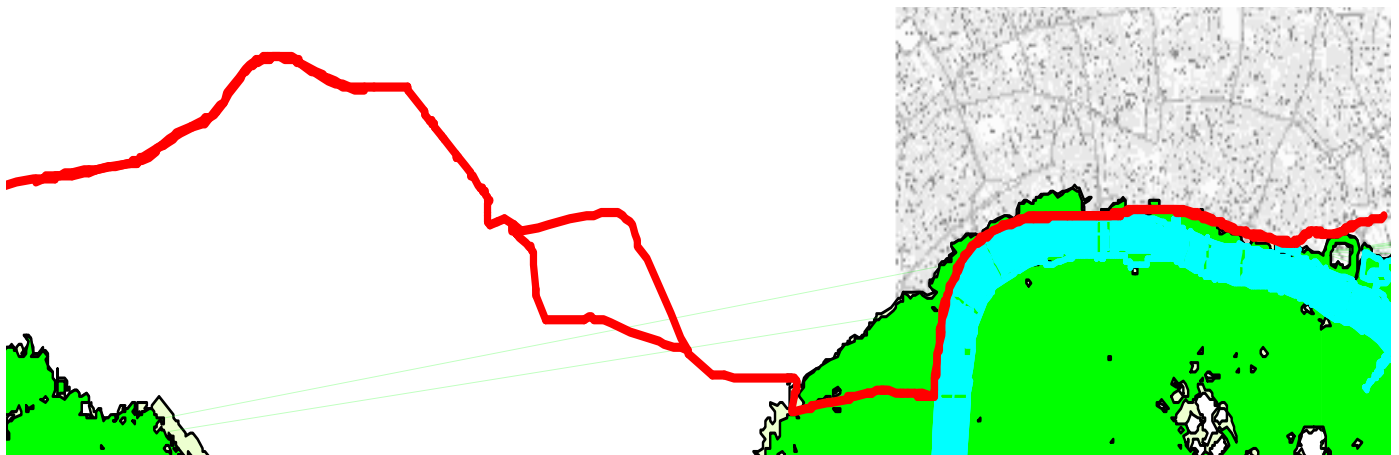


Figure 13 - Flood Risk Zones (green) and River Thames (blue)

The southernmost part of the route, along Victoria Embankment is within 16 metres from flood defence structures. As a result of this Flood Defence Consent from the Environment Agency may be required. Once the final preliminary design drawings are available, including impacts on existing street furniture and proposed signing, the need for Flood Defence Consent will be established. The project will have no impact on flood defence structures.

There will be an increase of impermeable surfaces from the removal of green estate, however it is anticipated that the risk to flooding along the Route will remain unchanged.

Overall the impact of the Project on the water environment is expected to be neutral. TAG describes a project to have a neutral impact on water when there is no appreciable effect, either positive or negative, on the identified attributes.

The contractors will be required to produce an Environmental Management Plan through which they will seek to avoid any impact to the water environment during the construction phase.

Physical Fitness

TAG advises that significant improvements in fitness and well-being are most evident in those who cycle 30km or more per week and that those people taking up physical activities will receive greater health benefits than those partaking in physical activities already.

The Project will complement other cycling initiatives but will not lead to an immediate increase in cycling trips; therefore the Project will have an initial neutral effect upon physical fitness. However, increased health benefits can be expected as the Project generates additional cycling trips in future.

TAG does not provide a seven point impact appraisal scale for Physical Fitness. However, using professional judgment a conservative slight beneficial impact of the Project upon physical fitness can be expected. The number of cycling trips and associated health benefits will ultimately depend upon individuals' personal choices. Nonetheless, the overall potential health benefit of the Project is clear, especially if the cycling activity is complemented with other physical daily activities such as walking.

Journey Experience

Different types of townscapes and the cycle routes in them provide different journey experiences to cyclists. For example canal, park and off-carriageway routes provide a better journey experience compared to on-carriageway routes.

Journey experience of cyclists along the Route is evaluated in accordance with TAG Journey Ambience methodology.

TAG identifies three components that contribute to journey experience. These are Traveller Care (cleanliness, facilities, information and environment), Traveller Views and Traveller Stress (frustration, fear of potential accidents and route uncertainty).

It is expected that Traveller Care along the Route will be improved during the operational phase of the Project, in particular:

- Cleanliness – The Route will benefit from the proposed enhanced maintenance and enforcement measures. Local Authorities will continue to be responsible for litter collection and cleansing along the Route.
- Facilities – The route will now be fully segregated and resurfaced. It will be maintained to a high standard.
- Information – Way-finding monoliths and additional signage will be out in place to provide information about the Route and the local area. Maps of the Route will be available online to help cyclists plan their journeys.
- Environment – The overall condition and smoothness of cycle rides is expected to be improved from the resurfacing of the Route and Route segregation

Views along the Route range from “restricted” (views are obscured by vegetation, fencing or buildings) to “no view” in more built up areas (views are obscured either side of the road by buildings).

Overall, it is expected that the Project will have a neutral effect on Travellers Views during the operational phase. The majority of the route is on carriageway and the route will not improve views of the area or hinder them. Travellers Views in the more built up areas may be further improved through measures such as landscape improvements and tree planting if possible.

It is expected that during the operational phase the Project will have a positive effect on Traveller Stress. The positive benefits are identified through the alleviation of three recognised causes of travel stress:

- Frustration – Congestion, road layout and geometry and the inability to make good progress along the route are usually causes of frustration. Route resurfacing and segregation will help to reduce frustration.
- Fear of potential accidents – One of the key objectives of the Project is to improve the image and perception of cycling, safety and the perception of safety. These objectives will be achieved by implementing measures such as Cycle Superhighway branding and segregation that will increase visibility of the Route to other road users. These measures combined with Smarter Travel measures such as led rides, cycle support for school leavers and HGV and freight driver training will help reduce fear of potential accidents.
- Route uncertainty – Route uncertainty would be improved through the implementation of distinctive blue branding and segregation. The Route will be signed with way-finding monoliths providing key information such as route number and average journey times to destinations. Proposed landscape improvements and lighting features are desired to provide continuity to the route but again the implementation of these is uncertain at present.

Overall the Project is going to be moderate beneficial to journey experience for cyclists

During the construction phase Traveller Views, Facilities and Frustration are expected to worsen due to the restriction or diversion of existing routes as the measures are implemented.

Sustainable Design

TfL will encourage the use of sustainable materials, particularly in the design of the street furniture. TfL will require the contractor to reduce, reuse or recycle the waste that is generated and to record quantities of all waste streams. The contractor will also be required to comply with current legislation relating to the handling, transfer and disposal of all waste materials.

TfL will seek to locate street furniture in well lit areas where no additional street lighting is required. All lighting along the route will be replaced and upgraded to current standards; however it is uncertain at this stage whether LED will be implemented. In the event that additional street lighting is needed to provide light to street furniture, the lighting will be designed and located to minimise the visual intrusion of lighting columns into the daytime streetscape and to minimise light pollution at night-time.

Despite the use of sustainable materials, adopting the waste hierarchy and promoting the use of renewable energy, a slight adverse impact in respect of greenhouse gas emissions (due to an increase in energy use during implementation and operation and fuel use during construction) and the production of waste materials, is likely.

Environmental Management

TfL will ensure that the contractors hold and maintain an environmental management system independently certified to ISO 14001:2004.

TfL will require the contractors to produce an Environmental Management Plan for the construction phase. The Environmental Management Plan will demonstrate how the contractors are going to implement appropriate environmental procedures, including preventative measures and controls for dealing with the unlikely event of environmental incidents. The contractors shall ensure that the Environmental Management Plan covers the whole of the works and highlight any site specific issues.

TfL will require the contractors to comply with current legislation relating to the handling, transfer and disposal of all waste materials including requirements set by the Waste Management Plans Regulations 2008 and Waste Electrical and Electronic Equipment Regulations 2006.

TfL will require the contractors to comply with the *Greater London Authority and London Councils' Control of Dust and Emissions from Construction and Demolition Best Practice Guidance*.

TfL will require the contractors to follow the British Standard *BS 5837:2005, Trees in relation to construction – Recommendations* and NJUG's *Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees* and that Local Authority Tree Officers and TfL Arboricultural and Landscape Managers are consulted about the potential impact that the Project can have on trees along the Route.

In the unlikely event that excavation for the installation of way-finding monoliths is over one metre in depth, TfL will require the contractors to hand-dig the site if in an archaeological priority area and if archaeological remains are found, work shall stop and will only resume after approval from the relevant Local Authority conservation officer and / or English Heritage is received.

In the unlikely event that protected species are present on site during works, TfL will ensure that only Defra licensed ecologists handle protected species.

To ensure compliance, TfL will monitor the performance of the contractors as works progress.

Appendix A: Environmental Evaluation Report Template

Environmental Evaluation Report - Improvement Projects and Capital Renewal Schemes

The Environmental Evaluation Report defines the requirements for achieving the appropriate level of environmental evaluation for a project so that negative environmental impacts are understood and minimised, environmental benefits are enhanced, environmental risks are managed, challenges to the project are reduced and the required relevant environmental consents, permits and licenses are identified.

The Report provides assurance to the Project Manager, Client and Environmental Manager that the project's design and performance, the appraisal, monitoring and sampling methodology used, and other technical and reporting activities are of the required quality and standard to meet TfL's environmental obligations.

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The Report contains a number of questions and bullet points which are intended to be key prompts. These do not represent an exhaustive list of best available practice or required consents, permits and licences. As such, expert environmental advice should be sought from the relevant expert if in doubt.

Version 4

Project Information

| | |
|---|--|
| Project / Scheme Name: | |
| Project Code: | |
| Description of site, project / scheme and construction activities: | |

Appraisal Summary

Impacts and Further Appraisal

Comment:

| | TfL (Planning and Design Stage) | | | | | | | Contractor (Design and Construction Stage) | | | | | | |
|---|------------------------------------|----------|--------|---------|------------|----------|-------|---|----------|--------|---------|------------|----------|-------|
| | Adverse | | | Neutral | Beneficial | | | Adverse | | | Neutral | Beneficial | | |
| | Large | Moderate | Slight | | Slight | Moderate | Large | Large | Moderate | Slight | | Slight | Moderate | Large |
| Natural Environment | | | | | | | | | | | | | | |
| Cultural Heritage | | | | | | | | | | | | | | |
| Air Quality (NO ₂ & PM ₁₀) | | | | | | | | | | | | | | |
| Climate Change Mitigation (CO ₂) | | | | | | | | | | | | | | |
| Climate Change Adaptation | | | | | | | | | | | | | | |
| Noise and Vibration | | | | | | | | | | | | | | |
| Soil and Water | | | | | | | | | | | | | | |
| Community | | | | | | | | | | | | | | |
| Built Environment | | | | | | | | | | | | | | |
| Cumulative Impacts | | | | | | | | | | | | | | |

C – Construction O – Operation

| | TfL | Contractor |
|--|-----|------------|
| The Project/Scheme has no significant impacts on the environment - No further appraisal is required | | |
| The Project/Scheme may have significant impacts on the environment - Further appraisal is required | | |

Required Actions

| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | | | |
|---|---|-----|------------|
| | Measure | TfL | Contractor |
| 2.1,2.3,2.4, 2.5,2.6,2.7, 6.1,6.3 | Contact the TfL Arboriculture and Landscape Route Manager if likely to impact any element of the green estate | | |
| 2.1, 2.2, 6.2 | Follow British Standard BS 5837:2005, 'Trees in relation to construction – Recommendations' and the 'National Joint Utilities Group's Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees'. | | |
| 2.1 | Removal of any green estate asset requires approval via SQA99. This includes affected 3 rd party assets. | | |
| 2.3 | Injurious weeds shall be treated as controlled waste unless herbicide is present, in which case they shall be treated as hazardous waste | | |
| 2.7,3.1,3.2, 8.3,8.5,8.6, 13.1 | Contact TfL Environmental Manger | | |
| 4.4 | Works should be carried out in accordance with the Greater London Authority and London Councils 'The Control of Dust and Emissions from Construction and Demolition; Best Practice Guidance (2006)'. Contractors should be encouraged to fit emission controls to all vehicles, plant and equipment where possible | | |
| 4.4,5.3,7.1 | Vehicles, plant and equipment should be turned off when not in use. | | |
| 4.4,5.3 | Vehicles, plant and equipment should be inspected and maintained regularly. | | |
| 5.2 | A Carbon and Energy Efficiency Plan (CCEP) may be required | | |
| 5.3 | The Contractor should be encouraged to use energy and fuel efficient vehicles, plant and equipment where possible | | |
| 7.1 | BS5228 Parts 1 and 2 – <i>Noise and vibration control on construction and open sites</i> should be adhered to | | |
| 7.1 | Consider alternative 'quiet' running plant and equipment. | | |
| 7.1 | Noisiest activities should be planned during 'normal working hours' | | |
| 7.3 | Obtain Section 61 consent from the local authority environmental health officer. | | |
| 8.3 | Consent for Works Affecting Watercourse and / or Flood Defences is required from the Environment Agency. | | |
| 8.3 | Prepare a detailed Method Statement to support application for consent. | | |
| 8.3 | Adhere to the Environment Agency's Pollution Prevention Guidelines. | | |
| 8.5 | Environmental Permit is required from the Environment Agency. | | |
| 8.6 | Trade Effluent consent is required from Thames Water. | | |
| 9.2 | The worksite should be kept tidy and in good order, with minimal disturbance and footprint. | | |
| 9.2 | The use of floodlights and flashing lights should be minimised, where possible and positioned away from residences and oncoming traffic. | | |

| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | | | |
|--|--|------------|-------------------|
| | Measure | TfL | Contractor |
| 9.4 | Traffic management measures should be timed to minimise disruptions and should be clearly signed. | | |
| 12.1 | Hazardous substances must be stored away from sensitive receptors such as watercourses, habitat areas and residences. | | |
| 12.1 | Outside storage of oil (i.e. fuel) over 200 litres must comply with the Oil Storage Regulations | | |
| 12.1 | Hazardous substances must be stored in a secure location within drip trays and/or bunds. | | |
| 12.1 | Refuelling should be undertaken within a designated impermeable, bunded area or undertaken off site. | | |
| 12.1 | Spill kits must be readily available. | | |
| 13.1 | Site Waste Management Plan (SWMP) is required. Use TfL SWMP Template | | |
| 13.2 | Ensure waste containers are not damaged and are suitable and safe for the type of waste. | | |
| 13.2 | Ensure that all waste containers are clearly labelled | | |
| 13.2 | Prevent dispersal of waste by wind, rain, animals or people. | | |
| 13.2 | Store waste away from drains, water courses and trees | | |
| 13.2 | Reduce the amount of waste created on site. | | |
| 13.2 | Reuse materials on site wherever possible. | | |
| 13.2 | Segregate waste for recycling | | |
| 13.2 | Ensure that the company removing waste is registered as a Waste Carrier. | | |
| 13.2 | Ensure that the waste is taken to an authorised waste facility | | |
| 13.3 | All hazardous waste must be segregated from general waste. | | |
| 13.3 | Ensure that consignment notes are retained. | | |
| 13.3 | If more than 500 KGs of hazardous waste is produced each year, then the site must be registered as a hazardous waste premises with the Environment Agency. | | |

| | TfL | Contractor |
|---|------------|-------------------|
| <p>Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly)</p> | | |
| <p>Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained)</p> | | |
| <p>Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training)</p> | | |

Appraisal

| 1 | Determination of need for Environmental Impact Assessment (EIA) – ONLY FOR IMPROVEMENT PROJECTS | TfL | |
|-----|---|-----|----|
| | | YES | NO |
| 1.1 | Is the project listed in Schedule 1 of the EIA Regulations? If so which section and paragraph? | | |
| 1.2 | As defined in the EIA Regulations, is the project an Urban Development over 0.5 hectare (5,000m ²) (Schedule 2 10(b)) or the Construction of a Road exceeding 1 hectare (10,000m ²) (Schedule 2 10(f))? | | |
| 1.3 | Is the project in or within 2km of a sensitive site, as defined by the EIA Regulations i.e. National Nature Reserve, Scheduled Monument, SAC, SPA, SSSI, World Heritage Site? If so, which? | | |
| 1.4 | Does the project require EIA? | | |

| | |
|------------------------------|------|
| Comments and Recommendations | None |
|------------------------------|------|

| 2 | Natural Environment | TfL | | Contractor | |
|-----|---|-----|----|------------|----|
| | | YES | NO | YES | NO |
| 2.1 | <p>Will works affect grassed or planted areas as a result of land-take, excavation or temporary use of the grassed or planted areas?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Contact the TfL Arboriculture and Landscape Route Manager Removal of any green estate asset requires approval via SQA99. This includes affected 3rd party assets. Follow British Standard BS 5837:2005, Trees in relation to construction – Recommendations' and the 'National Joint Utilities Group's Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees'. | | | | |
| 2.2 | <p>Will the works be in close proximity to grassed or planted areas or trees?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Follow British Standard BS 5837:2005, Trees in relation to construction – Recommendations' and the 'National Joint Utilities Group's Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees'. | | | | |

| 2 | Natural Environment | TfL | | Contractor | |
|-----|---|-----|----|------------|----|
| | | YES | NO | YES | NO |
| 2.3 | <p>Are there any known injurious weeds in the vicinity of the works?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Contact the TfL Arboriculture and Landscape Route Manager Injurious weeds shall be treated as controlled waste unless herbicide is present, in which case they shall be treated as hazardous waste | | | | |
| 2.4 | <p>Is new or replacement planting proposed?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Contact the TfL Arboriculture and Landscape Route Manager | | | | |
| 2.5 | <p>Is there scope for new or enhanced planting in the area? E.g. empty planters or tree pits, unused land, room on the footway for street trees, existing green space in poor condition.</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Contact the TfL Arboriculture and Landscape Route Manager | | | | |
| 2.6 | <p>Are protected species, sightings of protected species or areas of habitat potential present with 200 metres of the works?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Contact the TfL Arboriculture and Landscape Route Manager Contact the TfL Environmental Manager <p>Note: Only Defra licensed ecologists are to handle protected species</p> | | | | |
| 2.7 | <p>Are designated landscape sites (i.e. Metropolitan Open Land, Green Belt, Commons), Sites of Importance for Nature Conservation (SINC) or areas of habitat potential present with 200 metres of the works?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Contact the TfL Arboriculture and Landscape Route Manager Contact the TfL Environmental Manager <p>Note: biodiversity features must be protected in accordance with the requirements of the relevant authority (e.g. Natural England or Local Authority).</p> | | | | |

| | | Key: 0=Neutral, 1=Slight, 2=Moderate, 3=Large | | | | | | | |
|--|--|---|---|---|---|---------------|---|---|---|
| | | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 |
| Impact on the Natural Environment | | + | | | | | | | |
| | | - | | | | | | | |
| | | C – Construction | | | | O – Operation | | | |
| Is further appraisal required? | | | | | | | | | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | | | | | | | | | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | | | | | | | | | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | | | | | | | | | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | | | | | | | | | |

| 3 | Cultural Heritage | TfL | | Contractor | |
|-----|--|-----|-----|------------|----|
| | | YES | NO | YES | NO |
| 3.1 | <p>Are heritage features such as a Conservation Area within 100m, listed buildings within 50m, registered park and garden within 200m, London Square or archaeological features (e.g. London Wall) within 50m from the works.</p> <p>Are the works within an archaeological priority area?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Contact the TfL Environmental Manager <p>Note: Heritage or archaeological feature must be protected in accordance with the requirements of the relevant authority (e.g. English Heritage or Local Authority).</p> | | | | |
| 3.2 | <p>Are heritage or archaeological artefacts encountered on site during the works?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Works should cease immediately. Consult the relevant authority (e.g. English Heritage or Local Authority). Contact the TfL Environmental Manager | n/a | n/a | | |

| | | Key: 0=Neutral, 1=Slight, 2=Moderate, 3=Large | | | | | | | |
|--|--|---|---|---|---|---------------|---|---|---|
| | | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 |
| Impact on Cultural Heritage | | + | | | | | | | |
| | | - | | | | | | | |
| | | C – Construction | | | | O – Operation | | | |
| Is further appraisal required? | | | | | | | | | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | | | | | | | | | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | | | | | | | | | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | | | | | | | | | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | | | | | | | | | |

| 4 | Air Quality (PM ₁₀ & NO ₂) | TfL | | | | Contractor | | | |
|-----|---|-----|----|--|--|------------|----|--|--|
| | | YES | NO | | | YES | NO | | |
| 4.1 | Upon completion, will the project /scheme generate additional stop and start traffic conditions? | | | | | | | | |
| 4.2 | Is the project /scheme in a road flanked by tall buildings on either side (i.e. street canyon) which prevent pollutants from dispersing? | | | | | | | | |
| 4.3 | Will dust be generated as a result of the works? <u>If YES:</u> | | | | | | | | |
| | <ul style="list-style-type: none"> Works should be carried out in accordance with the Greater London Authority and London Councils 'The Control of Dust and Emissions from Construction and Demolition; Best Practice Guidance (2006)'. | | | | | | | | |
| 4.4 | Are vehicles, plant and equipment to be used? <u>If YES:</u> | | | | | | | | |
| | <ul style="list-style-type: none"> Contractors should be encouraged to fit emission controls to all vehicles, plant and equipment where possible Vehicles, plant and equipment should be turned off when not in use. Vehicles, plant and equipment should be inspected and maintained regularly. | | | | | | | | |
| 4.5 | Is the project in an air quality management area, in a focus (NO ₂) area or in an air quality priority area (PM ₁₀)? Specify | | | | | | | | |

Key: 0=Neutral, 1=Slight, 2=Moderate, 3=Large

| Impact on Air Quality | | C - Construction | | | | O - Operation | | | |
|-----------------------|--|------------------|---|---|---|---------------|---|---|---|
| | | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 |
| | | + | | | | | | | |
| | | - | | | | | | | |

| | |
|--|--|
| Is further appraisal required? | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | |

| 5 | Climate Change Mitigation (CO ₂) | TfL | | | | Contractor | | | |
|-----|---|-----|----|--|--|------------|----|--|--|
| | | YES | NO | | | YES | NO | | |
| 5.1 | Upon completion, will the project/scheme increase congestion? | | | | | | | | |
| 5.2 | Will the project/scheme affect energy consumption? <u>If YES:</u> | | | | | | | | |
| | <ul style="list-style-type: none"> A Carbon and Energy Efficiency Plan (CEEP) may be required | | | | | | | | |
| 5.3 | Are vehicles, plant and equipment to be used? <u>If YES:</u> | | | | | | | | |
| | <ul style="list-style-type: none"> The Contractor should be encouraged to use energy and fuel efficient vehicles, plant and equipment where possible Vehicles, plant and equipment should be turned off when not in use. Vehicles, plant and equipment should be inspected and maintained regularly. | | | | | | | | |

Key: 0=Neutral, 1=Slight, 2=Moderate, 3=Large

| Impact on Climate Change Mitigation | | C - Construction | | | | O - Operation | | | |
|-------------------------------------|--|------------------|---|---|---|---------------|---|---|---|
| | | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 |
| | | + | | | | | | | |
| | | - | | | | | | | |

| | |
|--|--|
| Is further appraisal required? | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | |

| 6 | Climate Change Adaptation | TfL | | Contractor | |
|--------------|--|-----|----|------------|----|
| | | YES | NO | YES | NO |
| 6.1 (2.1) | Will works require land take, excavation or temporary use of the grassed verge or planted areas which will increase hard surfaced area and/or surface water run-off? <u>If YES:</u> <ul style="list-style-type: none"> Contact the TfL Arboriculture and Landscape Route Manager | | | | |
| 6.2 (2.2) | Will the works be in close proximity to or require the removal or disturbance of street trees? <u>If YES:</u> <ul style="list-style-type: none"> Contact the TfL Arboriculture and Landscape Route Manager Follow British Standard BS 5837:2005, Trees in relation to construction – Recommendations’ and the ‘National Joint Utilities Group’s Guidelines for the Planning, Installation and Maintenance of Utility Apparatus in Proximity to Trees’. | | | | |
| 6.3 (2.4) | Is new or replacement planting proposed? <u>If YES:</u> <ul style="list-style-type: none"> Contact the TfL Arboriculture and Landscape Route Manager | | | | |
| 6.4 (8.1) | Upon completion, will the project/scheme increase hard surfaced area and/or surface water run-off? <u>If YES:</u> <ul style="list-style-type: none"> Consider the introduction of Sustainable Urban Drainage Systems (SUDS) | | | | |

Key: 0=Neutral, 1=Slight, 2=Moderate, 3=Large

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|-------------------------------------|--|---|---|---|---|---|---|---|---|
| Impact on Climate Change Adaptation | | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 |
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| Is further appraisal required? | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | |

| 7 | Noise | TfL | | Contractor | |
|-----|---|-----|----|------------|----|
| | | YES | NO | YES | NO |
| 7.1 | Are works likely to create noise and vibration that will disturb residences, schools, hospitals, places of worship, sensitive habitats or other sensitive receptors? <u>If YES:</u> <ul style="list-style-type: none"> BS5228 Parts 1 and 2 – <i>Noise and vibration control on construction and open sites</i> should be adhered to. Vehicles, plant and equipment should be turned off when not in use. Consider alternative ‘quiet’ running plant and equipment. Noisiest activities should be planned during ‘normal working hours’ | | | | |
| 7.2 | Are the works in an Important Area for noise? | | | | |
| 7.3 | Are works required to be carried out at night or outside of ‘normal working hours’? <u>If YES:</u> <ul style="list-style-type: none"> Obtain Section 61 consent from the local authority environmental health officer. | | | | |
| 7.4 | Upon completion will the project move traffic closer to residences, schools, hospitals, places of worship, sensitive habitats or other sensitive receptors? | | | | |

Key: 0=Neutral, 1=Slight, 2=Moderate, 3=Large

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| Impact on Noise and Vibration | | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 |
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C – Construction O – Operation

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| Is further appraisal required? | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | |

| 8 | Soil and Water | TfL | | | | Contractor | | | |
|-----|---|-----|----|--|--|------------|----|--|--|
| | | YES | NO | | | YES | NO | | |
| 8.1 | Upon completion, will the project/scheme increase hard surfaced area or water run-off? <u>If YES:</u> • Consider the introduction of Sustainable Urban Drainage Systems (SUDS) | | | | | | | | |
| 8.2 | Is the project/scheme within a flood risk area? <u>If YES:</u> • Consider the introduction of Sustainable Urban Drainage Systems (SUDS) | | | | | | | | |
| 8.3 | Are the works in, over or under a watercourse or within 16 metres of a tidal river or 8 metres from a non tidal river, river bank, river wall, embankment or flood defence structure? <u>If YES:</u> • Contact the TfL Environmental Manager. • Consent for Works Affecting Watercourse and / or Flood Defences is required from the Environment Agency. • Prepare a detailed Method Statement to support application for consent. • Adhere to the Environment Agency's Pollution Prevention Guidelines. | | | | | | | | |
| 8.4 | Have there been instances of blocked gullies or drainage issues? | | | | | | | | |
| 8.5 | Is discharge to a watercourse or waterbody required? Are any dewatering activities required? <u>If YES:</u> • Contact the TfL Environmental Manager. • Environmental Permit is required from the Environment Agency. | | | | | | | | |
| 8.6 | Is discharge to a sewer required? <u>If YES:</u> • Contact the TfL Environmental Manager. • Trade Effluent consent is required from Thames Water. | | | | | | | | |

Key: 0=Neutral, 1=Slight, 2=Moderate, 3=Large

| Impact on Soil and Water | | 0 | | | | 1 | | | | 2 | | | | 3 | | | |
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C – Construction O – Operation

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| Is further appraisal required? | | | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | | | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | | | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | | | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | | | |

| 9 | Community | TfL | | | | Contractor | | | |
|-----|---|-----|----|--|--|------------|----|--|--|
| | | YES | NO | | | YES | NO | | |
| 9.1 | Upon completion, will the project/scheme be visually intrusive or cause light pollution to residences, schools, hospitals, places of worship, sensitive habitats or other sensitive receptors? | | | | | | | | |
| 9.2 | Can residents and users of nearby premises view the works? <u>If YES:</u> • The worksite should be kept tidy and in good order, with minimal disturbance and footprint. • The use of floodlights and flashing lights should be minimised, where possible and positioned away from residences and oncoming traffic. | | | | | | | | |
| 9.3 | Upon completion, will the project/scheme have moved traffic closer to residences, schools, hospitals, places of worship, sensitive habitats or other sensitive receptors? | | | | | | | | |
| 9.4 | Will the works require diversion routes or temporary alterations to accesses? <u>If YES:</u> • Traffic management measures should be timed to minimise disruptions and should be clearly signed. | | | | | | | | |

Key: 0=Neutral, 1=Slight, 2=Moderate, 3=Large

| Impact on Community | | 0 | | | | 1 | | | | 2 | | | | 3 | | | |
|---------------------|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
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C – Construction O – Operation

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| Is further appraisal required? | | | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | | | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | | | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | | | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | | | |

| 10 | Built Environment | TfL | | | | Contractor | | | |
|------|---|-----|----|--|--|------------|----|--|--|
| | | YES | NO | | | YES | NO | | |
| 10.1 | Would the project impact on the townscape? | | | | | | | | |
| 10.2 | Would the project/scheme benefit from a Design Review and/or surgery? <i>Note: Design Review for projects over £2m is compulsory</i> | | | | | | | | |
| 10.3 | Is the project/scheme compliant with TfL Streetscape Guidance? | | | | | | | | |

| | | Key: 0=Neutral, 1=Slight, 2=Moderate, 3=Large | | | | | | | |
|---------------------|--|---|---|---|---|---|---|---|---|
| Impact on Community | | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 |
| | | | | | | | | | |

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| C – Construction O – Operation | |
| Is further appraisal required? | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | |

| 11 | Cumulative Impacts | TfL | | | | Contractor | | | |
|------|---|-----|----|--|--|------------|----|--|--|
| | | YES | NO | | | YES | NO | | |
| 11.1 | Will the project cumulatively cause adverse or positive impacts to any of the above if the evaluation took account of any other related project and / or schemes in the area? | | | | | | | | |

| | | Key: 0=Neutral, 1=Slight, 2=Moderate, 3=Large | | | | | | | |
|---------------------|--|---|---|---|---|---|---|---|---|
| Impact on Community | | 0 | 1 | 2 | 3 | 0 | 1 | 2 | 3 |
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| C – Construction O – Operation | |
| Is further appraisal required? | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | |

| 12 | Hazardous Substances | TfL | | Contractor | |
|------|--|-----|----|------------|----|
| | | YES | NO | YES | NO |
| 12.1 | Will the works require the use of fuels, chemicals or other hazardous substances? <u>If YES:</u> <ul style="list-style-type: none"> Hazardous substances must be stored away from sensitive receptors such as watercourses, habitat areas and residences. Outside storage of oil (i.e. fuel) over 200 litres must comply with the Oil Storage Regulations Hazardous substances must be stored in a secure location within drip trays and/or bunds. Refuelling should be undertaken within a designated impermeable, bunded area or undertaken off site. Spill kits must be readily available. | | | | |

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| Is further appraisal required? | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | |

| 13 | Waste | TfL | | Contractor | |
|------|--|-----|----|------------|----|
| | | YES | NO | YES | NO |
| 13.1 | <p>Will the works cost in excess of £300,000?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Follow the relevant Pathway Waste Management product Contact the TfL Environmental Manager Site Waste Management Plan (SWMP) is required. Use the TfL Site Waste Management Plan Template | | | | |
| 13.2 | <p>Will the works generate waste?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Ensure waste containers are not damaged and are suitable and safe for the type of waste. Ensure that all waste containers are clearly labelled Prevent dispersal of waste by wind, rain, animals or people. Store waste away from drains, water courses and trees Reduce the amount of waste created on site. Reuse materials on site wherever possible. Segregate waste for recycling Ensure that the company removing waste is registered as a Waste Carrier. Ensure that the waste is taken to an authorised waste facility | | | | |
| 13.3 | <p>Will the works generate hazardous waste, including contaminated soil?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> All hazardous waste must be segregated from general waste. Ensure that consignment notes are retained. If more than 500 KGs of hazardous waste is produced each year, then the site must be registered as a hazardous waste premises with the Environment Agency. | | | | |

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| Is further appraisal required? | |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | |

| 14 | Environmental Incidents | TfL | | Contractor | |
|------|--|-----|-----|------------|----|
| | | YES | NO | YES | NO |
| 14.1 | <p>Has any polluting substance been spilled over land, into a drain or watercourse?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Contact the Environment Agency Inform the TfL Environmental Manager | n/a | n/a | | |
| 14.2 | <p>Has any protected animal or habitat been harmed or damaged during the works?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Contact the TfL Environmental Manager Contact the TfL Arboriculture and Landscape Manager | n/a | n/a | | |
| 14.3 | <p>Has any tree, planted area or grassed area been harmed or damaged during the works?</p> <p><u>If YES:</u></p> <ul style="list-style-type: none"> Contact the TfL Arboriculture and Landscape Manager | n/a | n/a | | |

| | |
|--|-----|
| Is further appraisal required? | n/a |
| Control, Mitigation and Enhancement Measures (list measures aimed at mitigating against negative environmental impacts, enhance environmental benefits and control environmental risks) | n/a |
| Monitoring Systems (Describe the checks that are in place to ensure that the control and mitigation measures outlined above are implemented correctly) | n/a |
| Environmental Consents, Licenses and Permits (List any environmental consent, license and permit required for the works and explain how these will be obtained) | n/a |
| Staff environmental training (List any staff environmental training required to ensure that control, mitigation and enhancement measures are carried out in a suitable manner. Describe timing and frequency of training) | n/a |

Approvals

| TfL | | | | Contractor | | |
|---|------|--|--------------|---|------|--|
| | Date | | Completed by | | Date | |
| TfL Environmental Manager | | | | Contractor Environmental Manager | | |
| | Date | | Confirmed by | | Date | |
| TfL Project Manager | | | | Contractor Project Manager | | |
| | Date | | Issued to | | Date | |
| TfL Arboriculture and Landscape Route Manager | | | | TfL Arboriculture and Landscape Route Manager | | |
| | | | Issued to | | Date | |
| | | | | Contractor Landscape Advisor | | |
| | | | Issued to | | Date | |
| | | | | TfL Environmental Manager | | |

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| <p>Note to TfL Project Manager: Contact the TfL Environmental Manager if details of the project change.</p> | <p>Note to Contractor Project Manager: Contact the Contractor Environmental Advisor if the details of the project change</p> |
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Supporting Information (e.g. drawing, maps)

Appendix B: Relevant Planning and Transport Policies

The table below outlines the national, regional and local planning and transport policy documents which the Project supports.

| Policy Document | Scale | Conformity with Policy |
|---|----------|---|
| National Planning Policy Framework 2012 | National | <p>Sustainable Development: The planning system should secure more sustainable patterns of transport development and improved accessibility to facilities by walking, cycling and public transport should be encouraged. The Project will encourage access to facilities within the Project’s area by cycling.</p> <p>Planning and Climate Change: Spatial planning should contribute to reducing carbon emissions and stabilising climate change (mitigation) and take into account the unavoidable consequences (adaptation).The Project will promote cycling which at point of use has no carbon emissions.</p> <p>Biodiversity and Geological Conservation: Planning policies on the protection of biodiversity and geological conservation through planning decisions aim to maintain, enhance, restore or add to biodiversity and geological conservation interests. The Project’s design will seek to maintain biodiversity and ensure that no adverse impacts on biodiversity will occur. Tree planting and landscape improvements are planned if possible.</p> <p>Transport: Requirement to promote accessibility to jobs, shopping, leisure facilities and services by way of public transport, walking and cycling. The policy supports solutions to reduce greenhouse gas emissions and congestion giving priority to pedestrian and cycle movements. The policy also states that developments should create safe and secure layouts which minimise conflicts between traffic and cyclists or pedestrians; which this project clearly sets out to do.</p> <p>The Project is consistent with the aims of the policy as it will promote accessibility to jobs, shopping, leisure facilities and services by way of cycling.</p> <p>Planning and the Historic Environment: There is a requirement that special attention should be paid to the desirability of preserving or enhancing the character or appearance of any conservation area. Developments with less than substantial harm to the significance of a designated heritage asset should be weighed against the public benefits of the proposal. This development will not cause an adverse negative impact on the conservation areas and there will be great benefits to the public.</p> <p>It is advised that development within the historic environment should be of a high quality design. The Project is to consider the preservation of the appearance of conservation areas and where possible aims to ensure that street furniture will be of a high quality design.</p> <p>There is a need to assess the possibility of archaeological remains being found if excavations are set to be carried out. Works on site must stop immediately if archaeology is found.</p> <p>Planning and Noise: This policy framework guides local authorities on the use of their planning powers to minimise the adverse impact of noise. It outlines the considerations to be taken into account in determining planning applications both for noise-sensitive developments and for those activities which generate noise. The Contractors appointed to deliver the Project will be required to produce an Environmental Management Plan which amongst other things will need to address how noise is to be minimised during the Project’s implementation phase.</p> <p>Development and Flood Risk: The Policy framework ensures that flood risk is taken into account at all stages in the planning process to avoid inappropriate development in areas at risk of flooding, and to direct development away from areas at highest risk. The Project should seek to obtain the relevant Flood Defence consent if required.</p> |

| Policy Document | Scale | Conformity with Policy |
|--|-------------------|---|
| Planning Policy Statement 10: Planning for Sustainable Waste Management (PPS10) | National | PPS10 helps deliver sustainable development through driving waste management up the waste hierarchy, addressing waste as a resource and looking to disposal as the last option, but one which must be adequately catered for. The Contractors appointed to deliver the Project will be required to produce a Site Waste Management Plan. |
| White Paper: The Future of Transport: A Network for 2030 | National | The Paper, amongst other things, aims to make cycling a real alternative for local trips. The Project is designed to facilitate and promote bicycle trips, which would have otherwise been made by bus, tube or car. |
| The Eddington Transport Strategy | National | The Report examines the long-term links between transport and the UK's economic productivity, growth and stability, within the context of the Government's broader commitment to sustainable development. The Report demonstrates that small-scale interventions such as cycling are often the most cost-effective solutions. |
| Sustainable Future for Cycling | National | The Report recognises the important contribution of cycling as a sustainable form of transport and how cycling contributes to every one of the five goals set out in Towards a Sustainable Transport System: Supporting Economic Growth in a Low Carbon World, namely: competitiveness and productivity, climate change; health, security and safety; quality of life; and equality of opportunity. |
| The Mayor's Transport Strategy (March 2012) | Regional (London) | The Strategy recognises that transport investment in new major projects such as those that promote and encouraging cycling is required to achieve sustainable growth. The Strategy also recognises the health benefits of cycling. |
| Way to Go! (November 2008) | Regional (London) | Publication which outlines the Mayor's vision for transport and intended revisions to the Transport Strategy. The Publication makes specific reference to the previous and ongoing Cycle Superhighway projects. |
| The Mayor's Transport Strategy (Public Draft, October 2009-January 2010) | Regional (London) | Publication which outlines Londons' transport strategy. The Publication makes specific reference to the previous and ongoing Cycle Superhighway projects. |
| London Cycle Action Plan (February 2004) | Regional (London) | The Plan sets out measures to help achieve the Mayor's vision of developing London as an exemplary sustainable world city. In particular the Plan seeks to increase cycle accessibility, safety and priority, it gives support for innovative cycle Projects and it seeks to promote cycling and its status. |
| Living Well in London – The Mayor's Draft Health Equalities Strategy for London (January 2008) | Regional (London) | The Draft Strategy sets out a framework to reduce health inequalities. In doing so it seeks to develop and promote London as a healthy place for all through the provision of high quality cycling opportunities, continued investment in sustainable modes of transport and the planning of developments that are sustainable. |
| The London Plan 2011 (revised early minor alterations REMA 2013) | Regional (London) | The Plan places importance on sustainable development that takes into account impacts on natural resources, environmental and cultural assets and the health of local people. REMA states that new development should be supported by necessary and accessible health and social infrastructure. The Plan also seeks to achieve an increase in the capacity, quality and integration of public transport in London, support shifts to more sustainable modes of transport and improve the |

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| | | provision of cycling facilities. |
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| Policy Document | Scale | Conformity with Policy |
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| <i>Planning for a Better London</i> (published July 2008) | Regional (London) | The Report sets out the Mayor's strategic thinking and outlines key areas to be covered in what is now new revision of the London Plan (2011). The Report further highlights the importance of establishing a strategic planning framework supportive of cycling. |
| The London Plan (Consultation draft replacement plan, October 2009) | Regional (London) | Publication which outlines London's landuse strategy. The Publication makes specific reference to the previous and ongoing Cycle superhighway projects. |
| The Mayor of London Air Quality Strategy | Regional (London) | The Strategy presents policies and proposals aimed at improving London's air quality. Measures seek to facilitate a major improvement in public transport capacity, and encourage a shift from car travel towards cycling and other sustainable forms of travel. The Project will promote cycling and as such will support the Strategy. |
| Clearing the air (The Mayor's draft Air Quality Strategy for consultation with the London Assembly and functional bodies, October 2009) | Regional (London) | The Strategy sets measures to reduce concentrations of particulate matter (PM10) and nitrogen dioxide (NO2). The Publication makes specific reference to the previous and ongoing Cycle Superhighway projects. |
| The Mayor of London Noise Ambient Strategy | Regional (London) | The Strategy seeks to actively manage long term noise, mainly from transport sources. The Strategy recognises that modal shift away from motorised vehicles towards cycling for instance, can contribute to a reduction of transport related noise. The Project will promote cycling and as such will support the Strategy. |
| The Mayor of London Biodiversity Strategy | Regional (London) | The Strategy seeks to ensure that there is no overall loss of wildlife habitats in London, and that more open spaces are created and made accessible to all Londoners. The Project team is unsure at this stage as to whether there will be a loss of green space as a result of the Project's implementation. |
| The Mayor of London Climate Change Action Plan | Regional (London) | The Plan recommends key actions to help London and Londoners tackle climate change. Cycling is recognised as one measure that can help reduce transport related carbon emissions. The Project will promote cycling and in doing so it will support the Plan. |
| Cycling Revolution London strategy, published in 2010 | Regional (London) | This strategy advertises cycling as a major transport mode right across the capital, from central London to the outer boroughs. It supports the creation of streets and spaces where everyone respects each other's right to use the road and as a result reduce cycling casualties. It aims to promote cycling as an enjoyable, everyday, healthy activity. It states that cycling needs to be embedded into the way the city is planned and run. The project will accomplish these points. |
| London Borough of Tower Hamlets Unitary Development Plan (UDP) | Local (Tower Hamlets) | The Plan seeks to improve the safety and convenience of movement for all road users, especially cyclists and other sustainable forms of transport. The Plan also seeks to restrain the unnecessary use of the private car in order to achieve a more balanced road space between users. The Project has the potential to reduce traffic through encouraging and promoting cycling and thus is consistent with the Plan. |

| Policy Document | Scale | Conformity with Policy |
|---|-----------------------------|--|
| London Borough of Tower Hamlets Local Development Framework (LDF) | Local (Tower Hamlets) | The Options and Alternatives Paper seeks to protect land needed for future transport infrastructure and ensure sustainable forms of transport. A preferred strategy seeks to improve cycling routes and connections to major destinations. The Project, through providing for a sustainable mode of transport is thus consistent with the Plan. |
| City of London Unitary Development Plan (UDP) | Local (City of London) | The Plan seeks to achieve a reduction in the overall level of traffic in the City in order to allow for more efficient public transport operations and improve air quality, the general environment and safety. The Plan also encourages additional and improved capacity in public transport services. The Project, by providing for a sustainable mode of travel is consistent with the UDP's public transport strategy. |
| City of London Local Development Framework (LDF) | Local (City of London) | The Preferred Options Paper outlines a number of preferred policy approaches for the future development of the City of London. Some approaches seek to ensure that the impact on the environment of travel in and through the City is minimised. Other options seek to improve sustainability, integration, reliability, safety, capacity and accessibility of all modes of public transport. The Project, through providing for a sustainable mode of transport is thus consistent with the Plan. |
| City of London Local Implementation Plan (LIP) | Local (City of London) | The Plan highlights a need to promote and encourage cycling and improvements to cycling facilities. The Project, through promoting cycling and improving cycling facilities is consistent with the Plan. |
| Westminster City Unitary Development Plan (UDP) | Local (City of Westminster) | The Plan seeks to encourage and promote cycling as a healthy, efficient, sustainable and effective form of transport, which produces no emissions and which often allows a journey to be made more quickly than by a private car. The Plan therefore seeks to restrain the unnecessary use of the private car in order to achieve a more balanced road space between users. The Project has the potential to reduce traffic through encouraging and promoting cycling as a sustainable mode of transport and thus is consistent with the Plan. |
| Westminster City Local Development Framework (LDF) | Local (City of Westminster) | The Plan aims to address road transport and congestion with a need for better provision for pedestrians and cyclists. It also aims to improve the air quality to reduce the pressure on the natural and built environment. The Plan seeks to promote and improve health and well-being and improve air quality by encouraging walking, cycling and the use of public transport. The Project has the potential to encourage cycling thereby contributing to improving the air quality; therefore this project is consistent with the plan. |
| Westminster City Local Implementation Plan (LIP) | Local (City of Westminster) | The Plan highlights the fact that Westminster City is a very busy and therefore issues such as congestion, overcrowding, poor air quality, noise and road safety can arise. Cycling is encouraged to promote a healthier lifestyle, improve air quality and reduce traffic on the roads. The Project, through promoting cycling and improving cycling facilities is consistent with the Plan. |
| The Mayor's vision of cycling in London | Regional (London) | The Mayor wants to attract and encourage cycling in London. By planning to create segregated cycle lanes the protection of cyclists, through their own dedicated space along the route, is seen as attractive, comfortable and safe. The cycle superhighway routes are labelled as "a Crossrail for the bike". The project will adhere to the Mayor's vision of cycling in London. |

| Policy Document | Scale | Conformity with Policy |
|--|-----------------------------------|--|
| Policy CE1: Climate Change | Local (Kensington and Chelsea) | The Transportation and Highways Department will work in partnership with Transport for London to encourage streetscape and traffic management improvements which remove physical barriers to social and community uses and local shopping centres, making them inclusive for all, and improve cycling and walking environments in the Borough. Any new development must encourage walking, cycling and public transport use, whilst not encouraging the use of private cars. This project does exactly that. In particular the roads on the Transport for London Road Network present a hostile environment to pedestrians and cyclists therefore the CS is needed to make these well used routes safer and less polluted. |
| London Borough of Hammersmith and Fulham Core Strategy (replaced UDP as of 2011) | Local (Hammersmith and Fulham) | The council supports improved provision for cycling and walking as both are environmentally friendly means of transport and can help improve people's health. Any major developments in the borough will provide improved access, for pedestrians and cyclists. The borough is working with TfL to do this and therefore the CS scheme will be accepted as it increases opportunities for safe and quality walking and cycling in the borough. The Core Strategy realises that cycling will have a number of benefits, ranging from improving people's health to helping to tackle climate change. |
| Development Management Local Plan | Local (Hammersmith and Fulham) | The council wishes to encourage cycling, and the riverside walk can and should also provide a traffic-free route for cyclists. Just as the borough has mentioned about the riverside walk, the CS can also provide a traffic free way of travelling. The plan mentions that there needs to be an increase in cycling to tie in with the Mayor's strategy of increasing cycling. In addition the London Plan and the London Cycling Campaign are recognised as vital to consider when developing the borough. |

Appendix C: Evaluation of Conservation Areas

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|-------------------|--|--|
| The Tower | The Tower Conservation Area was designated in March 1977. It is one of the largest and most significant Conservation Areas in the Borough, and encloses buildings and sites of national and international importance. It is defined by the River Thames to the south, the boundary with the City of London to the north-west, by East Smithfield and the railway viaduct to the north-east and by Thomas More Street to the east. It has two distinct character areas – the Tower of London itself to the west, and the area around St. Katharine's Docks to the east. It is an area of exceptional architectural and historic interest, with a character and appearance worthy of protection and enhancement. The Tower Conservation Area encloses the Tower of London World Heritage Site (WHS), one of 27 World Heritage Sites in the UK. | Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape. |
| Trinity Square | The area defines the land-ward setting to the Tower of London and includes historic buildings and spaces with individual character. The area is contiguous with Tower Hamlet's conservation area. | Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape. |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|-------------------|---|---|
| Crescent | <p>An area which includes early examples of the introduction of planned Georgian residential crescents and circuses to London in the late 18th century. The principal interest of Crescent Conservation Area is the eighteenth-century street plan incorporating Crescent and Circus, which has special significance in the history of town planning in the City and London.</p> <p>The sequence of Square, Crescent and Circus in this location marked a significant development in London town planning. When built it was one of the earliest planned residential developments in London and is one of the few such developments of this date to survive. The rebuilt and replicated Georgian houses of Crescent set the tone for the character and appearance of the conservation area and provide a strong visual reference to its late-eighteenth-century appearance. The section of Roman and medieval City wall, a Scheduled Ancient Monument, to the rear of Crescent is the best surviving section of the structure in the City and one of the highest sections of intact medieval work. The conservation area forms part of the Tower of London World Heritage Site Local Setting.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|-------------------|--|---|
| Eastcheap | <p>Designated a Conservation area in December 1981, Eastcheap is in the Wards of Billingsgate and Bridge. It covers an area of 2.3 hectares. It is an area which retains its irregular layout of medieval streets leading down to the River Thames. The area has strong historical connections to Billingsgate Market and the Thames. The area is made up of significant survivals of post-Fire development including three Wren churches and a collection of notable listed buildings, as well as numerous unlisted buildings of high architectural quality from different periods. The area is characterised by commercial and warehouse buildings and is of high archaeological potential for remains of all periods, where important Roman and medieval remains have been recorded.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |
| Queen Street | <p>This Area was designated a Conservation Area in May 1991. This Area is formed of historic commercial buildings set within a network of streets and lanes leading down to the river. The street plan includes significant interventions from the late-17th, mid-19th centuries, and late-20th centuries. There is a notable grouping of Livery Company Halls, Wren churches, listed buildings and unlisted buildings of architectural quality and historic interest. There is an area with longstanding historical associations with the river, the fur trade and notable people and events. The buildings are faced with high quality materials in a varied palette, including brick, Portland stone or stucco. This area of the City retains its 19th century industrial character with numerous surviving warehouses and sympathetically designed later buildings. It is an area with significant archaeological potential.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|--------------------|---|---|
| St Pauls Cathedral | <p>Designated a Conservation Area in 2007, it is an area of international significance, a focal point of the City of London, part of a major processional route and a focus of national celebration. St Paul's Cathedral is a building of international architectural and cultural significance and one of England's most important classical buildings and a seminal building in the history of English architecture. It is an area of great historic significance which has been a centre of Christian worship for almost 1400 years, and encompasses streets, buildings and spaces spanning a period of almost 1400 years. It is an area of great architectural significance, including one of the largest concentrations in the City of London of Grade I, Grade II* and Grade II listed buildings, as well as numerous non-designated buildings of high architectural quality from different periods. It is an area of internationally important archaeology relating to the adoption of Christianity in Britain, and including the City's largest intact extent of area and depth of archaeological deposits remaining of the medieval and Roman city. It is a visual character and groundscape that is enriched by a wealth of materials, features, monuments, public sculpture, signs, plaques, statuary, and other structures. It is also an area of ecological value, rich in open spaces, trees and greenery which provide an important aspect of the Cathedral's setting.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|-------------------|---|---|
| Whitefriars | <p>The area was designated a Conservation Area in 1981 and extended in 1991. From the 12th century the western boundary was established by the Temple. The earliest established occupation of the area was by the Carmelite Friary (Whitefriars) from c.1250. From the 12th Century the area has been used and developed to accommodate the changing commerce of the area; providing Embankments and workshop buildings.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |
| Temples | <p>In Roman times the route out of the City to the west followed approximately the alignment of Fleet Street and the Strand on the higher ground above the marshy margins of the Thames. The marked slope of the land down from Fleet Street to the Thames remains a prominent feature of the landscape today and it is an important aspect of the character and appearance of the area. Development between the road and the river, such as it was included large private houses and religious houses. Throughout the centuries there have been many developments including the implementation of the Embankment Temples is perhaps the most distinctive and has a character that is not only unique to the City, but rarely found elsewhere. It has a private quality that is emphasised by its gated entrances and most buildings are designed to face the interior of the Temple, it appears to turn its back on the noise and bustle of the City. The area is more than an outstanding collection of buildings of historic importance. It is a subtle combination of buildings and spaces with a character and environmental quality that is reminiscent of the collegiate atmosphere of Oxford and Cambridge.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|-------------------|--|---|
| Strand | <p>The Strand Conservation Area was designated on 28 March 1974 and extended in 1990 and 1993. The riverside location of the conservation area has shaped its street layout and development. The area's built frontage to the river (the Embankment and Somerset House in particular) makes a significant contribution to the central Thames corridor. Within this conservation area there are areas of distinct character. The two main routes are the Strand and the Victoria Embankment.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |
| Savoy | <p>The Savoy Conservation Area was designated in 1981. The topography and riverside location of the Savoy Conservation Area are of particular significance, having shaped the street layout and development. Although the area has been in continuous development since the fourteenth century, most of what is there now was built between 1860 and 1939. The palette of traditional building materials, from Portland Stone to brick and glazed terracotta make for a varied townscape. The area is visually dominated by Shell-Mex House and the Savoy Hotel. These buildings, along with Brettenham House, are prominent in riverside views.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|-------------------|---|---|
| Whitehall | <p>Whitehall was first designated as part of the Government Precinct Conservation Area in 1969. The Whitehall Conservation Area was designated in 1987. Whitehall conservation area is situated in the east of the city of Westminster, and is centred along Whitehall and Parliament Street and the complex of buildings that run either side, between St James's Park and the River Thames. Home to Downing Street, the remaining banqueting house from Whitehall Palace and the Cabinet War Rooms, this conservation area is well-known beyond Westminster. Whitehall itself forms the ceremonial route linking Trafalgar Square and the Palace of Westminster and is dominated by strong built frontages lining the street. To the west is Horse Guard's Parade with its large courtyard that opens onto St James's Park beyond. The eastern boundary runs along the River Thames and Victoria Embankment where green space is found in this otherwise built-up area.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|---|--|---|
| Westminster Abbey and Parliament Square | <p>The area was first designated as part of the Government Precinct Conservation Area in 1969. It was re-designated as the Westminster Abbey and Parliament Square Conservation Area in 1987 and extended to include 4 Matthew Parker Street in 2008. Westminster Abbey & Parliament Square Conservation Area is situated in southern Westminster, adjacent to the River Thames. This relatively small conservation area has an extremely high concentration of Grade I and II* listed buildings and includes some of Westminster's most famous landmarks. Part of the conservation area has also been designated as a World Heritage Site. The principal public focus in the area is Parliament Square, which is dominated by the neo-Gothic splendour of the Houses of Parliament. Adjacent to this is Westminster Abbey, at the core of the conservation area. The complex of courts and cloisters surrounding the Abbey and Dean's Yard provide a contrast to the busy character of the rest of the conservation area and have some early remaining properties of domestic scale, intermingled with late 19th and early 20th Century insertions. Victoria Gardens to the west of Victoria Tower, together with the broad reach of the River Thames creates a glorious setting for the Houses of Parliament</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|---|---|--|
| Royal Parks (On Road)- St James's Park | Royal Parks Conservation Area includes Hyde Park, St James Park, Green Park, Buckingham Palace Gardens and Kensington Gardens. The parks today are the creation of the picturesque landscaping tradition of the mid-18th to late-19th century. Hyde Park and St James Park are dominated by their lakes. All the parks are well wooded and many paths in Green Park and Hyde Park are laid out as avenues. There is also informal planting in all the Parks. | Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape. |
| Whitechapel High Street | It marks the western end of the A11, an ancient route linking the City with Essex and Continental Europe via Harwich. The new parish of Whitechapel, originally part of Stepney, developed as a suburb of London around this ancient route, taking its name from the white-washed walls of the 13th century chapel (the parish church of St Mary). The road frontage of Whitechapel High Street reflects a consistently intensive use throughout the Borough's history. The boundaries of the Conservation Area follow the historic footprints of buildings set on long, narrow plots, some amalgamated in two's and three's, but always presenting a narrow street frontage in relation to their depth. More contemporary buildings, set on plots with a far wider street frontage, interrupt the fine grain of the historic fabric and have been omitted from the Conservation Area. The area contains individually significant buildings and collectively the surviving pre-war townscape is of historic and architectural importance, worthy of preservation and enhancement. The Route passes through the middle of this area. | Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape. |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|-------------------|---|--|
| Fournier Street | The Fournier Street Conservation Area was designated in July 1969 as 'Fournier Street'. It contains some of the most architecturally and historically significant buildings in the Borough, including the exceptional group of 18th century houses around Fournier Street. They comprise the most important early Georgian quarter in England and include Christ Church Spitalfields, designed by Nicholas Hawksmoor. | Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape. |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|-------------------|--|---|
| Birdcage Walk | <p>Birdcage Walk is a small conservation area, at the heart of Westminster and just to the south of St James Park. The area retains some of Westminster's finest early eighteenth century buildings in Queen Anne's Gate. The oldest of these date from 1704-5 and are listed Grade I. Much of the rest of the area consists of small scale, stock brick townhouses, with an attractive collection of neo-Georgian and Queen Anne buildings around Catherine Place. These all have an intimate scale and peaceful, domestic character, despite many of the buildings now being occupied by commercial uses.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |
| Mayfair | <p>The area was first designated in 1969 and has since been extended. In the 1660s three large mansions were built on the north side of Piccadilly. One of these is Burlington House (the Royal Academy). These were followed by smaller scale, high quality, and speculative development. By 1780 Mayfair was almost completely built-up. The street pattern created by this development can be seen today; three distinct areas of 18th century grid-iron layout corresponding with the three largest estates in the area. Some of the original town-houses and their mews survive, although many have been redeveloped as their 99 year leases have expired. Mid-19th century houses tend to be stuccoed-Italianate style, from the 1870s Queen Anne style and later Victorian/ Edwardian buildings are Renaissance and Arts and Crafts. After the First World War neo-Georgian style took over. There has been some Modernist redevelopment since the Second World War. The area has become increasingly commercial and is known as the home of specialist shops, galleries and tailors.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|-------------------|--|---|
| Albert Gate | <p>Albert Gate was designated as a conservation area in January 1989. Albert Gate is a small conservation area set on the busy thoroughfare of Knightsbridge, which provides a gateway to Hyde Park. The area has a mixed character but is dominated by late Victorian buildings of metropolitan scale, built in red brick with stone and faience dressings. Earlier development includes the two classical stuccoed Palazzo-style blocks which flank Albert Gate, at the centre of the conservation area. These were designed by Thomas Cubitt in 1840.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|--|---|--|
| Royal Parks (Off Road)- Green Park and Hyde Park | Royal Parks was designated as a conservation area in 1990. Royal Parks Conservation Area includes Hyde Park, St James Park, Green Park, Buckingham Palace Gardens and Kensington Gardens. The parks today are the creation of the picturesque landscaping tradition of the mid-18th to late-19th century. Hyde Park and St James Park are dominated by their lakes. All the parks are well wooded and many paths in Green Park and Hyde Park are laid out as avenues. There is also informal planting in all the Parks. | Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape. |
| Bayswater | It was extended in 1978, 1990, 2002 and 2010. Bayswater was initially developed as a fashionable residential suburb when, in 1827, the surveyor to the Bishop of London laid out the area between Praed Street, Edgware Road and Bayswater Road. This layout consisted of an inter-related pattern of wide streets, crescents and squares planned on either sides of the main boulevards- Westbourne Terrace and Sussex Gardens. The Bayswater conservation area covers a large area with a mixed but predominantly residential character. Much of the area consists of stucco terraced houses but these are interspersed with attractive streets and mews of a smaller scale as well as a variety of later buildings of interest. A series of open spaces with many fine mature trees and formal squares also contribute to the area's character. The area around Paddington Station has a more commercial character and has many interesting late Victorian and early 20th century buildings. | Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape. |

| Conservation Area | Conservation Area Key Characteristics (Source Local Authority) | Impact on Conservation Area's Character |
|-------------------|---|---|
| Maida Vale | <p>Maida Vale Conservation Area was first designated in 1968 but it has been extended on a number of occasions. The Grand Union Canal and Regent's Canal dictated the earliest layouts of Maida Vale in the early 19th century. The south of the area, named after the early 19th century public house 'The Heroes of Maida' on Edgware Road, was complete up to Sutherland Avenue by the 1860s. The remaining section in the north was mostly complete by 1900 and in 1915 Warwick Avenue and Maida Vale underground stations were opened. The layout throughout the area uses architecturally significant avenues and crescents with secondary streets infilling between them.</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |
| Westbourne | <p>Westbourne was designated as a conservation area in 1973 and extended in 1978 and 1998. The area was laid out and developed largely from 1850-1855, following the earlier rapid urbanisation of Bayswater and Paddington to the south and east. As a result of this, the architectural form and townscape are recognisably coherent; terrace and villa developments. The houses are three or four storeys with brick and/or stucco facades. A number these are Grade II listed, including the two churches, St. Stephen's on Westbourne Park Road and St. Mary of the Angels on Moorhouse Road. The area is primarily residential except for Westbourne Grove, a Victorian shopping area, and Mews workshops</p> | <p>Overall, the impact of the Project on this conservation area is <u>neutral</u> as the project maintains the existing historic character of the townscape; has no appreciable impacts, either positive or negative, on any known or potential heritage assets; and does not result in severance or loss of integrity, context or understanding within the historic landscape.</p> |

Appendix D: List of Listed Buildings and Structures

| Building or Structures | GRADE |
|---|--------------|
| 1 And 1B, Bridge Street Sw1 | II |
| 108-136, Westbourne Terrace | II |
| 11, Great George Street Sw1 | II* |
| 12-16, Westbourne Street W2 (See Details For Further Address Information) | II |
| 14 Lampstandards Flanking Carriage Drive In New Palace Yard, Houses Of Parliament | II |
| 140, Westbourne Terrace W2 | II |
| 14-22, Queen Anne'S Gate Sw1 (See Details For Further Address Information) | I |
| 16, St Mary At Hill Ec3 | I |
| 196B And C, Craven Road W2 (See Details For Further Address Information) | II |
| 2, Bridge Street Sw1 | II |
| 2, Queen Anne'S Gate Sw1 | I |
| 20 And 21, Queenhithe | II |
| 20, Old Queen Street Sw1 | II |
| 21 And 23, Bishops Bridge Road W2 | II |
| 21 Bench Seats Set On Embankment Pavement | II |
| 215-235, Sussex Gardens W2 | |
| 237 And 239, Sussex Gardens W2 | II |
| 24, Old Queen Street Sw1 | II |
| 25-38, Hyde Park Gardens W2 (See Details For Further Address Information) | II |
| 26 And 28, Old Queen Street Sw1 | II |
| 26-32, Queen Anne'S Gate Sw1 | I |
| 27 Lamp Posts Lining Both Sides Of Road | II |
| 27, Great Tower Street Ec3 | II |
| 2-7, Westbourne Crescent W2 | II |
| 3 Bollards | II |
| 3 Lamp Standards On Approach To Victoria Memorial From Birdcage Walk | II |
| 30 And 32, Old Queen Street Sw1 | II |
| 33-77, Westbourne Terrace W2 | II |
| 34 Lampstandards Lining Both Sides Of Road | II |
| 34, Old Queen Street Sw1 | II |
| 34, Queen Anne'S Gate Sw1 | I |
| 34-36, Parliament Street Sw1 (See Details For Further Address Information) | II |
| 3-5, Lancaster Terrace W2 | |
| 37, Parliament Street Sw1 | II |
| 38 And 39, Parliament Street Sw1 | II |
| 5, Laurence Pountney Lane Ec4 | II |
| 6 Lampstandards Numbered 1-5 (Consecutive) And 8 | II |
| 6-12, Queen Anne'S Gate Sw1 | I |
| 61-64, Bayswater Road W2 | II |
| 6-30, Westbourne Terrace W2 | II |
| 69, Upper Thames Street | II |
| 7 Lamp Standards On Approach To Victoria Memorial From Buckingham Gate | II |
| 70-106, Westbourne Terrace (See Details For Further Address Information) | II |

| Building or Structures | GRADE |
|---|--------------|
| 79-119, Westbourne Terrace W2 | II |
| 8-10, Tower Hill Ec3 | II |
| 9, Carmelite Street Ec4 | II |
| Adelaide House | II |
| Bandstand On North Side Of Serpentine Road Near East End Of Serpentine Road | II |
| Belgian Monument To The British Nation | II |
| Billingsgate Market | II |
| Boadicea (Boudicca) Statuary Group | II |
| Buckingham Gate Lodge, Gate Piers, Gates And Railings | II* |
| Buckingham Palace Boundary Walls Enclosing Grounds | I |
| Buckingham Palace Gates, Railings, Piers And Gate Piers With Lamps Fronting Buckingham Gate And As Entrance To Ambassadors' Court | I |
| Cabmen'S Shelter | II |
| Cattle Trough Outside Inner Temple Garden | II |
| Cheyesmore Memorial | II |
| Church Of All Hallows, Barking By The Tower | I |
| Church Of St James | II* |
| Church Of St James Garlickhithe | I |
| Church Of St Magnus The Martyr | I |
| Cleopatra'S Needle | I |
| Clifton Court | II |
| Cockpit Steps (Next To Number 38) With Flank Walls And Mounted Lanterns | |
| Cumberland Lodge, Marble Arch | II |
| Custom House | I |
| Dell Restaurant | II* |
| Dorland Hotel | II |
| Drinking Fountain On East Side Of Road At North End Of Bridge | II |
| Duchy Of Cornwall Office | |
| Dyers Hall | II* |
| Embankment River Wall, Stairs And Lamp Standards | II |
| Embankment Wall With Cast Iron Lamp Standards | II |
| Fishmongers Hall | II* |
| Five Gate Piers To Inner Temple Garden | II |
| Five Seats On Riverside Pavement Opposite Temple Gardens | II |
| Former New Scotland Yard Norman Shaw North Building | I |
| Former New Scotland Yard Norman Shaw South Building | II* |
| Fountain In Patte D'Oie North Of East End Of Serpentine, Serpentine Road | II |
| Four Gate Piers To Middle Temple Lane | II |
| Gates And Piers Between Norman Shaw North And South Buildings, Former New Scotland Yard | I and II* |
| Gates, Railings, Gate Piers To New Palace Yard, Houses Of Parliament | II |
| Group Of Five K6 Telephone Kiosks | II |
| Group Of Four K6 Telephone Kiosks On Island At Junction With Westbourne Street | II |
| Guards Chapel, Wellington Barracks | |
| Hamilton House | II |
| Henry Fawcett Memorial | |
| Hm Tower Of London Liberty Boundary Markers | II |

| Building or Structures | GRADE |
|--|--------------|
| Hungerford House | |
| Hyde Park Corner Lodge | II |
| Imperial Camel Corps Memorial | |
| Innholders Hall | II* |
| K2 Telephone Kiosk | II |
| K2 Telephone Kiosk By Submarine Memorial | II |
| K6 Telephone Kiosk By Hungerford Bridge | II |
| Lady Henry Somerset Memorial | II |
| Lampstandards Along Serpentine Road And Around Bandstand, 8 Along Road To East Of Rangers Cottage And 2 Along West Carriage Drive At Junction With Serpentine Road | II |
| Lodge At Entrance To Middle Temple Lane | II |
| Lodge At Westbourne Gate | II |
| Lodge Opposite Upper Grosvenor Street | |
| Lodge To Gateway From Victoria Embankment | |
| Main Block Of City Of London School | II |
| Memorial To Sir J Bazalgette | II |
| Memorial To Sir W S Gilbert | II |
| Memorial To Wt Stead, Temple Pier | II |
| Mercantile Marine War Memorial | II |
| Merchant Seamens Memorial | II* |
| North Screen To Buckingham Palace Forecourt With Gateway To Gardens | I |
| Orsett House | II |
| Pair Of Griffins On Pedestals At City Boundary | II |
| Plimsoll Memorial | II |
| Police Public Callbox 10 Metres East Of War Memorial | II |
| Portion Of Old London Wall | II |
| Queen Anne'S Gate And Lamps On Gate Piers | |
| Queen Victoria Memorial | I |
| Queen Victoria Memorial Gates And Gatepiers, Balustrades, Steps And Retaining Wall With Fountain Framing West End Of The Mall | I |
| Railing And Dwarf Wall To Church Of All Hallows (Flanking Byward Street) | II |
| Railing And Dwarf Wall To Church Of All Hallows (Flanking Great Tower Street) | II |
| Rectory House | II |
| Revetment Wall To West And North Side Of Moat, From Outwork Attached To Middle Tower (Qv) To Tower Hill Postern | II |
| Riyadh House | II |
| Royal Air Force Memorial Whitehall Stairs | |
| Royal Artillery Memorial | II* |
| Royal Eagle Hotel | |
| Screen At Hyde Park Corner Entrance | I |
| Serpentine Lodge By Serpentine Road (South Of Ranger'S Cottage) | II |
| Shelter Alcove (Opposite The North End Of The Serpentine) | II* |
| Sion College And Attached Railings | II |
| Sir Arthur Sullivan Memorial | |
| St Stephen'S Tavern | II |
| Statue Of Benjamin Disraeli, Earl Of Beaconsfield | II |
| Statue Of Edward Stanley, Earl Of Derby | II |

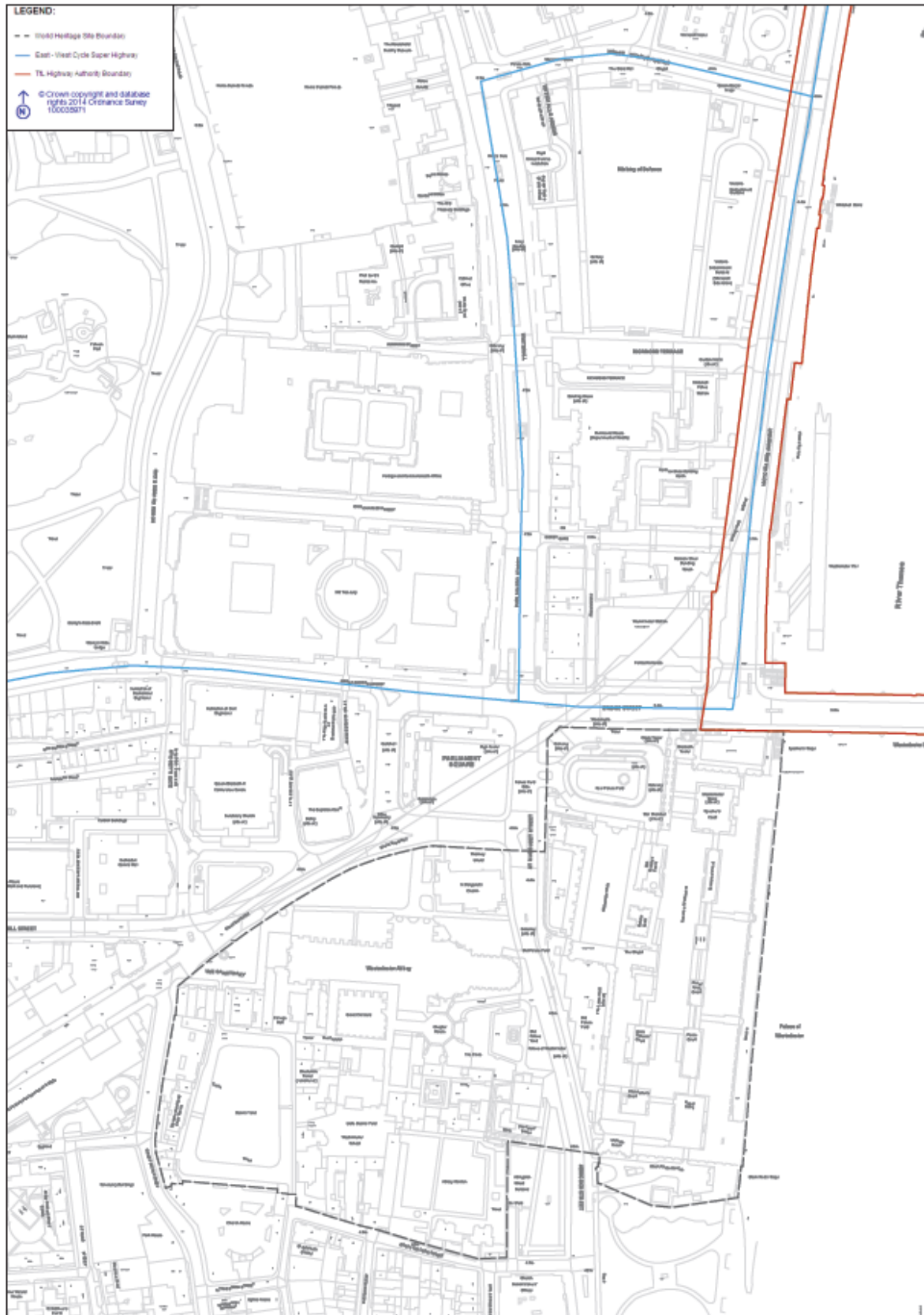
| Building or Structures | GRADE |
|---|--------------|
| Statue Of Field Marshal Jan Smuts | II |
| Statue Of General Gordon | II |
| Statue Of George Canning | II |
| Statue Of Henry John Temple, Viscount Palmerston | II |
| Statue Of Ik Brunel | II |
| Statue Of John Stuart Mill | II |
| Statue Of Lord Trenchard | II |
| Statue Of Queen Victoria At Approach To Blackfriars Bridge | II |
| Statue Of Robert Burns | B |
| Statue Of Robert Raikes | |
| Statue Of Sir Bartle Frere | II |
| Statue Of Sir James Outram | II |
| Statue Of Sir Winston Churchill | II |
| Statue Of William Edward Forster | II |
| Statue Of William Tyndale | II |
| Storeys Gate Lodge | II |
| Submarine War Memorial Attached To Embankment Wall | II |
| Summer House In Buckingham Palace Garden | I |
| The Achilles Statue (Off Park Lane To North Of Hyde Park Corner Screen) | II |
| The Boy Fountain, North Of Birdcage Walk/Queen Anne'S Gate Junction | II |
| The Cavalry Memorial On North Side Of Serpentine Road, West Of Statue Of Achilles | II |
| The Institution Of Civil Engineers | II |
| The Royal Institution Of Chartered Surveyors | II |
| Thirty-Four Catenary Lamp Standards | II |
| Tower Of Former Church Of St Mary Somerset | I |
| Two K2 And Six K6 Telephone Kiosks Outside The Former Hm Treasury Building | II |
| Victoria Lodge And Adjoining Gate And Gate Piers | II |
| Vintners Hall | I |
| Walls, Gates And Railings To Churchyard Of Church Of St Dunstan In The East | II |
| Watermens Hall | II* |
| Wellington Arch | I |
| Wellington Barracks East Guardhouse | II |
| Wellington Barracks Railings And East And West Gates To Birdcage Walk | II |
| Wellington Barracks West Guardhouse | II |
| Wellington Monument | II |
| Westbourne Bridge | II |
| Westminster Precinct Conduit House Memorial At North Head Of The Dell | II |
| Wine Cellars At Premises Of Messers Asher Storey | II |

Appendix E: World Heritage Site Boundaries

East - West Cycle Super Highway options around World Heritage Sites



East - West Cycle Super Highway options around World Heritage Sites



Appendix F: Noise Calculations

| ID | IA ID | Grid Reference | | | | Length (km) | Do-Minimum (DM) | | | | Do-Something (DS) | | | | Difference DS - DM (L _{A10, 18h} dB) |
|----|-------|----------------|--------|-----------|--------|-------------|-----------------|------|--------------|--------------------------------|-------------------|------|--------------|--------------------------------|---|
| | | Start Point | | End Point | | | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | |
| | | X | Y | X | Y | | | | | | | | | | |
| 1 | | 526699 | 180902 | 526782 | 180825 | 0.12 | 11456 | 5 | 37 | 66.6 | 1996 | 2 | 20 | 56.9 | -9.7 |
| 2 | | 526677 | 180836 | 526699 | 180902 | 0.07 | 12765 | 3 | 20* | 66.6 | 2510 | 2 | 20 | 58.3 | -8.2 |
| 3 | | 526699 | 180902 | 526685 | 180940 | 0.10 | 4677 | 1 | 27 | 60.4 | 1140 | 1 | 20 | 53.1 | -7.3 |
| 4 | | 526422 | 181212 | 526434 | 181206 | 0.02 | 4197 | 4 | 20* | 62.5 | 1565 | 3 | 20 | 56.3 | -6.2 |
| 5 | | 526434 | 181206 | 526548 | 181078 | 0.17 | 3686 | 5 | 20* | 62.2 | 1558 | 3 | 20 | 56.3 | -5.9 |
| 6 | | 526709 | 180989 | 526685 | 180940 | 0.04 | 4892 | 4 | 20* | 62.9 | 2510 | 1 | 20 | 57.7 | -5.1 |
| 7 | | 530255 | 181153 | 530324 | 181101 | 0.09 | 2091 | 3 | 20* | 58.1 | 1146 | 1 | 20 | 53.0 | -5.1 |
| 8 | | 526625 | 180996 | 526709 | 180989 | 0.07 | 6626 | 3 | 29 | 63.4 | 2265 | 3 | 33 | 58.3 | -5.1 |
| 9 | | 529582 | 179640 | 529263 | 179583 | 0.30 | 14815 | 0 | 33 | 65.2 | 5330 | 0 | 29 | 60.5 | -4.7 |
| 10 | | 530699 | 179661 | 530711 | 179660 | 0.01 | 14460 | 4 | 20* | 67.8 | 5259 | 4 | 20 | 63.2 | -4.6 |
| 11 | | 530689 | 179661 | 530699 | 179661 | 0.01 | 14460 | 4 | 36 | 67.4 | 5259 | 4 | 36 | 62.9 | -4.5 |
| 12 | | 526682 | 180772 | 526677 | 180836 | 0.07 | 17075 | 4 | 35 | 67.9 | 4854 | 6 | 37 | 63.4 | -4.5 |
| 13 | | 532461 | 181028 | 532485 | 181154 | 0.15 | 1672 | 3 | 20* | 57.0 | 1000 | 2 | 20 | 52.5 | -4.5 |
| 14 | | 529902 | 179698 | 529582 | 179640 | 0.36 | 14815 | 0 | 33 | 65.2 | 5330 | 0 | 34 | 60.8 | -4.4 |
| 15 | | 530740 | 179660 | 530751 | 179658 | 0.01 | 15799 | 4 | 20* | 68.1 | 6648 | 4 | 20 | 64.3 | -3.9 |
| 16 | | 530711 | 179660 | 530740 | 179660 | 0.03 | 15189 | 6 | 22 | 68.3 | 7825 | 4 | 24 | 64.6 | -3.8 |
| 17 | | 529146 | 179572 | 529187 | 179762 | 0.20 | 10047 | 0 | 20* | 63.0 | 4288 | 0 | 20 | 59.3 | -3.7 |
| 18 | | 530751 | 179658 | 530762 | 179656 | 0.01 | 17148 | 4 | 23 | 68.1 | 7960 | 4 | 24 | 64.6 | -3.5 |
| 19 | | 530370 | 179670 | 530689 | 179661 | 0.33 | 17116 | 4 | 36 | 68.1 | 7841 | 4 | 36 | 64.7 | -3.4 |
| 20 | | 530762 | 179656 | 530814 | 179619 | 0.06 | 16966 | 4 | 32 | 68.0 | 7915 | 4 | 32 | 64.6 | -3.4 |
| 21 | | 531422 | 180819 | 531388 | 180818 | 0.03 | 28414 | 5 | 27 | 70.6 | 11656 | 6 | 37 | 67.2 | -3.4 |
| 22 | 1232 | 529936 | 179502 | 529930 | 179517 | 0.03 | 7469 | 8 | 25 | 65.7 | 4500 | 5 | 24 | 62.4 | -3.3 |
| 23 | | 533054 | 180200 | 533117 | 180154 | 0.08 | 2157 | 12 | 20* | 61.8 | 1195 | 13 | 20 | 58.6 | -3.2 |
| 24 | | 529343 | 179431 | 529504 | 179496 | 0.18 | 2554 | 4 | 26 | 59.4 | 1554 | 4 | 26 | 56.2 | -3.2 |
| 25 | | 529504 | 179496 | 529691 | 179511 | 0.20 | 2554 | 4 | 26 | 59.4 | 1554 | 4 | 26 | 56.2 | -3.2 |
| 26 | | 533469 | 179981 | 533544 | 179963 | 0.09 | 2305 | 2 | 20* | 58.2 | 1538 | 1 | 20 | 55.1 | -3.1 |
| 27 | | 529923 | 179697 | 529902 | 179698 | 0.02 | 18891 | 0 | 20* | 65.7 | 9199 | 0 | 20 | 62.6 | -3.1 |
| 28 | | 530306 | 179665 | 530370 | 179670 | 0.06 | 15806 | 4 | 36 | 67.8 | 7931 | 4 | 36 | 64.7 | -3.1 |
| 29 | | 526685 | 180940 | 526625 | 180996 | 0.08 | 6203 | 1 | 33 | 61.9 | 3021 | 1 | 20 | 58.9 | -3.0 |
| 30 | | 529923 | 179697 | 530039 | 179685 | 0.12 | 12395 | 0 | 35 | 64.7 | 5688 | 1 | 35 | 61.6 | -3.0 |
| 31 | | 526231 | 181414 | 526313 | 181327 | 0.12 | 7445 | 4 | 20* | 64.9 | 4397 | 3 | 20 | 61.9 | -3.0 |
| 32 | | 529923 | 179655 | 529930 | 179517 | 0.14 | 5171 | 1 | 25 | 60.9 | 2422 | 2 | 25 | 57.9 | -2.9 |
| 33 | | 526431 | 179474 | 526548 | 179642 | 0.24 | 1798 | 1 | 20* | 56.0 | 1124 | 2 | 20 | 53.1 | -2.9 |
| 34 | | 529263 | 179583 | 529146 | 179572 | 0.12 | 12947 | 0 | 20* | 64.1 | 6678 | 0 | 20 | 61.2 | -2.9 |
| 35 | | 526313 | 181327 | 526422 | 181212 | 0.16 | 7352 | 4 | 27 | 64.3 | 4439 | 3 | 27 | 61.5 | -2.8 |
| 36 | | 525702 | 181647 | 526173 | 181476 | 0.57 | 8719 | 3 | 36 | 64.7 | 5349 | 2 | 20 | 62.0 | -2.7 |
| 37 | | 531422 | 180819 | 531758 | 180828 | 0.34 | 29284 | 6 | 36 | 71.0 | 16323 | 5 | 36 | 68.3 | -2.6 |
| 38 | | 530039 | 179685 | 530070 | 179680 | 0.03 | 13531 | 1 | 39 | 65.8 | 6988 | 1 | 39 | 63.2 | -2.6 |
| 39 | | 530083 | 179588 | 529936 | 179502 | 0.20 | 11514 | 7 | 32 | 67.4 | 7263 | 6 | 31 | 64.8 | -2.6 |
| 40 | | 528849 | 179785 | 528511 | 179808 | 0.40 | 27409 | 0 | 29 | 67.5 | 15138 | 0 | 29 | 65.0 | -2.5 |

| ID | IA ID | Grid Reference | | | | Length (km) | Do-Minimum (DM) | | | | Do-Something (DS) | | | | Difference DS - DM (L _{A10, 18h} dB) |
|----|-------|----------------|--------|-----------|--------|-------------|-----------------|------|--------------|--------------------------------|-------------------|------|--------------|--------------------------------|---|
| | | Start Point | | End Point | | | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | |
| | | X | Y | X | Y | | | | | | | | | | |
| 41 | | 529187 | 179762 | 528849 | 179785 | 0.31 | 27409 | 0 | 28 | 67.5 | 15138 | 0 | 29 | 65.0 | -2.5 |
| 42 | | 531160 | 179420 | 531260 | 179390 | 0.13 | 9562 | 5 | 35 | 65.8 | 6975 | 2 | 35 | 63.3 | -2.5 |
| 43 | | 530231 | 181183 | 530255 | 181153 | 0.04 | 3447 | 3 | 22 | 60.5 | 2551 | 1 | 22 | 58.0 | -2.5 |
| 44 | | 531260 | 179390 | 531327 | 179400 | 0.06 | 9577 | 5 | 35 | 65.8 | 7006 | 2 | 35 | 63.3 | -2.5 |
| 45 | | 531117 | 179465 | 531160 | 179420 | 0.05 | 9578 | 5 | 36 | 65.9 | 7007 | 2 | 36 | 63.4 | -2.5 |
| 46 | | 532669 | 181112 | 532650 | 181100 | 0.13 | 1788 | 4 | 35 | 57.6 | 1130 | 6 | 35 | 55.1 | -2.5 |
| 47 | | 532650 | 181100 | 532476 | 181034 | 0.08 | 1788 | 4 | 29 | 57.4 | 1130 | 6 | 29 | 55.0 | -2.4 |
| 48 | | 526173 | 181476 | 526231 | 181414 | 0.09 | 10356 | 3 | 26 | 65.2 | 6347 | 2 | 20 | 62.8 | -2.4 |
| 49 | | 530201 | 181210 | 530231 | 181183 | 0.04 | 3447 | 3 | 27 | 60.3 | 2551 | 1 | 27 | 57.9 | -2.4 |
| 50 | | 530126 | 181322 | 530201 | 181210 | 0.16 | 3447 | 3 | 27 | 60.3 | 2551 | 1 | 27 | 57.9 | -2.4 |
| 51 | | 530306 | 179665 | 530355 | 180085 | 0.43 | 13874 | 0 | 23 | 64.3 | 7974 | 0 | 20 | 62.0 | -2.4 |
| 52 | | 530083 | 179588 | 530070 | 179680 | 0.09 | 20806 | 3 | 20* | 68.4 | 10225 | 4 | 20 | 66.1 | -2.3 |
| 53 | | 529776 | 180451 | 529800 | 180412 | 0.05 | 1807 | 5 | 20* | 58.2 | 1215 | 5 | 20 | 55.9 | -2.3 |
| 54 | | 532476 | 181034 | 532461 | 181028 | 0.02 | 1788 | 4 | 20* | 58.0 | 1130 | 6 | 20 | 55.7 | -2.3 |
| 55 | | 526787 | 180786 | 526926 | 180815 | 0.14 | 24487 | 6 | 24 | 70.6 | 15167 | 5 | 20 | 68.5 | -2.1 |
| 56 | | 533419 | 180003 | 533439 | 179996 | 0.02 | 3212 | 9 | 26 | 62.5 | 2169 | 10 | 27 | 60.5 | -2.0 |
| 57 | | 533353 | 180035 | 533419 | 180003 | 0.07 | 3213 | 9 | 30 | 62.4 | 2169 | 10 | 31 | 60.4 | -2.0 |
| 58 | | 533117 | 180154 | 533353 | 180035 | 0.28 | 3213 | 9 | 33 | 62.4 | 2170 | 10 | 33 | 60.4 | -2.0 |
| 59 | | 529705 | 179513 | 529691 | 179511 | 0.01 | 4345 | 14 | 20* | 65.8 | 4705 | 6 | 20 | 63.8 | -2.0 |
| 60 | | 530587 | 180935 | 530505 | 180879 | 0.10 | 4053 | 4 | 21 | 62.0 | 3889 | 1 | 22 | 60.1 | -2.0 |
| 61 | | 526677 | 180836 | 526482 | 181016 | 0.28 | 8239 | 7 | 25 | 66.0 | 5115 | 8 | 28 | 64.0 | -2.0 |
| 62 | 1065 | 529146 | 179572 | 528998 | 179462 | 0.19 | 5687 | 6 | 35 | 63.8 | 3822 | 5 | 35 | 61.9 | -1.9 |
| 63 | | 530868 | 179654 | 530918 | 179628 | 0.06 | 13468 | 5 | 24 | 67.2 | 9528 | 4 | 28 | 65.3 | -1.9 |
| 64 | | 526787 | 180786 | 526682 | 180772 | 0.11 | 17990 | 4 | 20 | 68.2 | 10188 | 5 | 20 | 66.3 | -1.8 |
| 65 | | 533439 | 179996 | 533469 | 179981 | 0.03 | 3335 | 10 | 29 | 62.6 | 2306 | 10 | 30 | 60.8 | -1.8 |
| 66 | | 530488 | 180867 | 530550 | 180790 | 0.10 | 4054 | 4 | 20* | 62.2 | 4147 | 1 | 20 | 60.4 | -1.8 |
| 67 | | 530160 | 179580 | 530083 | 179588 | 0.08 | 17140 | 4 | 20* | 68.1 | 10626 | 4 | 20 | 66.3 | -1.8 |
| 68 | | 526417 | 180960 | 526482 | 181016 | 0.09 | 4077 | 6 | 25 | 62.6 | 4231 | 2 | 25 | 60.8 | -1.8 |
| 69 | 1065 | 533100 | 181591 | 533011 | 181617 | 0.11 | 1400 | 0 | 20 | 53.4 | 1114 | 0 | 20 | 51.7 | -1.8 |
| 70 | | 531010 | 179550 | 531080 | 179500 | 0.07 | 11139 | 5 | 35 | 66.5 | 8136 | 4 | 35 | 64.7 | -1.8 |
| 71 | 1065 | 531080 | 179500 | 531090 | 179480 | 0.02 | 11147 | 5 | 35 | 66.5 | 8162 | 4 | 35 | 64.7 | -1.8 |
| 72 | 1065 | 530940 | 179590 | 531010 | 179550 | 0.06 | 11148 | 5 | 35 | 66.5 | 8164 | 4 | 35 | 64.7 | -1.8 |
| 73 | | 530918 | 179628 | 530940 | 179590 | 0.08 | 11157 | 5 | 35 | 66.5 | 8176 | 4 | 35 | 64.7 | -1.7 |
| 74 | 1065 | 531090 | 179480 | 531117 | 179465 | 0.03 | 11155 | 5 | 35 | 66.5 | 8175 | 4 | 35 | 64.7 | -1.7 |
| 75 | | 531016 | 179663 | 530918 | 179628 | 0.13 | 1224 | 3 | 20* | 55.0 | 1041 | 2 | 20 | 53.3 | -1.7 |
| 76 | | 529187 | 179762 | 529263 | 179583 | 0.20 | 12569 | 0 | 22 | 63.9 | 8390 | 0 | 20 | 62.2 | -1.7 |
| 77 | | 530338 | 180310 | 530226 | 180338 | 0.14 | 7706 | 14 | 32 | 67.3 | 4461 | 17 | 32 | 65.6 | -1.7 |
| 78 | | 526146 | 181372 | 526080 | 181430 | 0.09 | 5342 | 7 | 27 | 64.1 | 3099 | 10 | 27 | 62.4 | -1.7 |
| 79 | | 528099 | 179483 | 527975 | 179335 | 0.19 | 2112 | 0 | 21 | 55.7 | 1610 | 0 | 22 | 54.1 | -1.6 |
| 80 | | 531097 | 179747 | 531016 | 179663 | 0.12 | 1224 | 3 | 27 | 54.5 | 1041 | 2 | 27 | 52.9 | -1.6 |
| 81 | | 531786 | 180881 | 531789 | 180953 | 0.08 | 6172 | 6 | 20* | 65.0 | 4932 | 5 | 20 | 63.4 | -1.6 |
| 82 | 1065 | 531781 | 181312 | 531697 | 181172 | 0.20 | 2418 | 3 | 20* | 59.2 | 2081 | 2 | 20 | 57.6 | -1.6 |

| ID | IA ID | Grid Reference | | | | Length (km) | Do-Minimum (DM) | | | | Do-Something (DS) | | | | Difference DS - DM (L _{A10, 18h} dB) |
|-----|-------|----------------|--------|-----------|--------|-------------|-----------------|------|--------------|--------------------------------|-------------------|------|--------------|--------------------------------|---|
| | | Start Point | | End Point | | | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | |
| | | X | Y | X | Y | | | | | | | | | | |
| 83 | | 530814 | 179619 | 530868 | 179654 | 0.06 | 20618 | 5 | 20* | 69.5 | 13818 | 5 | 20 | 67.9 | -1.6 |
| 84 | | 526926 | 180815 | 527170 | 180857 | 0.25 | 20793 | 6 | 41 | 70.0 | 15761 | 5 | 41 | 68.4 | -1.6 |
| 85 | | 531248 | 179789 | 531097 | 179747 | 0.20 | 1292 | 3 | 23 | 54.9 | 1109 | 2 | 23 | 53.3 | -1.6 |
| 86 | | 526080 | 181430 | 525949 | 181482 | 0.12 | 5342 | 7 | 20* | 64.8 | 3099 | 10 | 20 | 63.2 | -1.6 |
| 87 | | 532000 | 180943 | 532237 | 180948 | 0.25 | 9381 | 7 | 25 | 66.4 | 4963 | 10 | 25 | 64.8 | -1.6 |
| 88 | | 531796 | 181405 | 531781 | 181312 | 0.10 | 2418 | 3 | 22 | 59.0 | 2079 | 2 | 22 | 57.4 | -1.6 |
| 89 | | 526447 | 181923 | 526496 | 181870 | 0.05 | 1407 | 1 | 27 | 53.8 | 1120 | 1 | 27 | 52.2 | -1.6 |
| 90 | | 531789 | 180953 | 531854 | 180951 | 0.07 | 3838 | 7 | 35 | 62.4 | 2318 | 10 | 35 | 60.9 | -1.5 |
| 91 | | 526372 | 182003 | 526447 | 181923 | 0.11 | 1391 | 1 | 25 | 53.6 | 1118 | 1 | 25 | 52.2 | -1.5 |
| 92 | | 530407 | 180289 | 530355 | 180085 | 0.21 | 21432 | 2 | 31 | 67.7 | 14905 | 2 | 32 | 66.2 | -1.5 |
| 93 | | 531775 | 180835 | 531786 | 180881 | 0.06 | 6172 | 6 | 36 | 64.4 | 4932 | 5 | 36 | 62.9 | -1.5 |
| 94 | | 532237 | 180948 | 532375 | 180994 | 0.16 | 8431 | 7 | 20* | 66.6 | 4554 | 11 | 22 | 65.1 | -1.5 |
| 95 | | 526923 | 180944 | 526973 | 180993 | 0.07 | 3689 | 2 | 27 | 60.3 | 2914 | 2 | 27 | 58.9 | -1.4 |
| 96 | | 526914 | 180936 | 526923 | 180944 | 0.01 | 3689 | 2 | 27 | 60.3 | 2914 | 2 | 27 | 58.9 | -1.4 |
| 97 | | 531854 | 180951 | 532000 | 180943 | 0.17 | 3838 | 7 | 29 | 62.3 | 2318 | 10 | 29 | 60.9 | -1.4 |
| 98 | | 534160 | 180767 | 534191 | 180673 | 0.10 | 2090 | 21 | 20* | 63.7 | 1992 | 15 | 20 | 62.3 | -1.4 |
| 99 | | 530153 | 179672 | 530160 | 179580 | 0.09 | 19457 | 4 | 23 | 68.5 | 13061 | 4 | 20 | 67.1 | -1.4 |
| 100 | | 531117 | 180808 | 530872 | 180755 | 0.25 | 29136 | 4 | 32 | 70.3 | 19189 | 5 | 27 | 68.9 | -1.4 |
| 101 | 1148 | 527170 | 180857 | 527247 | 180872 | 0.08 | 21688 | 6 | 42 | 70.2 | 17296 | 5 | 42 | 68.8 | -1.4 |
| 102 | | 532252 | 180854 | 532427 | 180827 | 0.18 | 16802 | 5 | 28 | 68.1 | 12129 | 5 | 28 | 66.8 | -1.4 |
| 103 | | 530505 | 180879 | 530488 | 180867 | 0.02 | 4054 | 4 | 30 | 61.7 | 4147 | 1 | 30 | 60.3 | -1.4 |
| 104 | 1148 | 531556 | 181660 | 531404 | 181565 | 0.19 | 2146 | 4 | 20* | 58.9 | 1533 | 5 | 20 | 57.5 | -1.4 |
| 105 | | 531775 | 180835 | 532252 | 180854 | 0.48 | 21847 | 5 | 33 | 69.4 | 15958 | 5 | 32 | 68.0 | -1.4 |
| 106 | | 528536 | 179578 | 528380 | 179437 | 0.21 | 2763 | 4 | 21 | 59.8 | 1829 | 6 | 22 | 58.5 | -1.3 |
| 107 | | 530070 | 179680 | 530153 | 179672 | 0.08 | 15832 | 4 | 20* | 67.8 | 11218 | 4 | 20 | 66.5 | -1.3 |
| 108 | | 527463 | 181132 | 527500 | 181143 | 0.04 | 1466 | 5 | 21 | 56.8 | 1425 | 3 | 21 | 55.5 | -1.3 |
| 109 | | 534130 | 180866 | 534160 | 180767 | 0.11 | 1286 | 30 | 39 | 60.6 | 1334 | 18 | 39 | 59.3 | -1.3 |
| 110 | | 533573 | 181172 | 533608 | 181184 | 0.04 | 4508 | 11 | 32 | 64.3 | 4392 | 7 | 32 | 63.0 | -1.3 |
| 111 | | 530407 | 180289 | 530338 | 180310 | 0.08 | 11307 | 8 | 31 | 67.4 | 7232 | 10 | 31 | 66.1 | -1.3 |
| 112 | | 531758 | 180828 | 531775 | 180835 | 0.02 | 23760 | 6 | 28 | 69.9 | 15726 | 5 | 20 | 68.7 | -1.3 |
| 113 | | 533699 | 181240 | 533733 | 181264 | 0.07 | 4530 | 11 | 35 | 64.3 | 4412 | 7 | 35 | 63.0 | -1.3 |
| 114 | | 530872 | 180755 | 530663 | 180654 | 0.23 | 29328 | 4 | 28 | 69.9 | 20383 | 4 | 26 | 68.7 | -1.3 |
| 115 | | 526846 | 181125 | 526987 | 181256 | 0.20 | 5780 | 1 | 33 | 61.6 | 3374 | 3 | 33 | 60.4 | -1.2 |
| 116 | | 527216 | 181034 | 527331 | 181093 | 0.14 | 4437 | 4 | 26 | 62.0 | 4320 | 2 | 26 | 60.8 | -1.2 |
| 117 | | 528998 | 179462 | 528947 | 179343 | 0.13 | 6842 | 7 | 35 | 64.9 | 5481 | 6 | 35 | 63.7 | -1.2 |
| 118 | | 528093 | 179577 | 528099 | 179483 | 0.10 | 2299 | 0 | 21 | 56.2 | 1865 | 0 | 21 | 55.0 | -1.2 |
| 119 | | 530908 | 180805 | 530996 | 180838 | 0.09 | 5298 | 6 | 28 | 63.4 | 4040 | 6 | 29 | 62.2 | -1.2 |
| 120 | | 530872 | 180755 | 530908 | 180805 | 0.07 | 5298 | 6 | 28 | 63.4 | 4040 | 6 | 29 | 62.2 | -1.2 |
| 121 | | 527500 | 181143 | 527572 | 181166 | 0.07 | 2298 | 5 | 25 | 59.4 | 2304 | 3 | 25 | 58.2 | -1.2 |
| 122 | | 533630 | 181200 | 533699 | 181240 | 0.08 | 4530 | 11 | 39 | 64.4 | 4412 | 7 | 39 | 63.2 | -1.2 |
| 123 | | 531117 | 180808 | 531388 | 180818 | 0.27 | 29139 | 5 | 29 | 70.5 | 19192 | 6 | 37 | 69.4 | -1.2 |
| 124 | | 533540 | 181160 | 533573 | 181172 | 0.04 | 8740 | 11 | 35 | 67.2 | 8751 | 7 | 35 | 66.0 | -1.2 |

| ID | IA ID | Grid Reference | | | | Length (km) | Do-Minimum (DM) | | | | Do-Something (DS) | | | | Difference DS - DM (L _{A10, 18h} dB) |
|-----|-------|----------------|--------|-----------|--------|-------------|-----------------|------|--------------|--------------------------------|-------------------|------|--------------|--------------------------------|---|
| | | Start Point | | End Point | | | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | |
| | | X | Y | X | Y | | | | | | | | | | |
| 125 | | 527330 | 180889 | 527540 | 180930 | 0.27 | 19879 | 8 | 41 | 70.3 | 15630 | 8 | 41 | 69.2 | -1.1 |
| 126 | | 533608 | 181184 | 533630 | 181200 | 0.03 | 4547 | 11 | 44 | 64.7 | 4429 | 7 | 44 | 63.6 | -1.1 |
| 127 | | 527892 | 179190 | 527972 | 178784 | 0.41 | 4761 | 2 | 35 | 61.3 | 3764 | 1 | 35 | 60.2 | -1.1 |
| 128 | | 527972 | 178784 | 527991 | 178691 | 0.10 | 4760 | 2 | 35 | 61.3 | 3764 | 1 | 35 | 60.2 | -1.1 |
| 129 | | 527540 | 180930 | 527665 | 180954 | 0.07 | 22195 | 6 | 40 | 70.1 | 17869 | 6 | 40 | 69.0 | -1.1 |
| 130 | | 526650 | 179644 | 526735 | 179471 | 0.20 | 1372 | 0 | 23 | 53.1 | 1163 | 0 | 23 | 52.0 | -1.1 |
| 131 | | 531903 | 181845 | 532015 | 181894 | 0.12 | 2383 | 3 | 31 | 58.4 | 2014 | 2 | 31 | 57.3 | -1.1 |
| 132 | | 527247 | 180872 | 527330 | 180889 | 0.09 | 22196 | 6 | 42 | 70.3 | 17869 | 6 | 42 | 69.1 | -1.1 |
| 133 | | 533224 | 180944 | 533487 | 181123 | 0.34 | 3752 | 9 | 32 | 62.9 | 3430 | 6 | 32 | 61.8 | -1.1 |
| 134 | | 530153 | 179672 | 530306 | 179665 | 0.16 | 28112 | 2 | 20* | 69.5 | 19149 | 3 | 20 | 68.3 | -1.1 |
| 135 | | 532426 | 181013 | 532461 | 181028 | 0.04 | 5803 | 5 | 27 | 63.4 | 3537 | 8 | 28 | 62.3 | -1.1 |
| 136 | | 532375 | 180994 | 532426 | 181013 | 0.07 | 5803 | 5 | 28 | 63.4 | 3538 | 8 | 28 | 62.3 | -1.1 |
| 137 | | 526765 | 181744 | 526878 | 181705 | 0.13 | 5390 | 4 | 26 | 62.7 | 4576 | 3 | 26 | 61.6 | -1.1 |
| 138 | 1199 | 526951 | 180770 | 527005 | 180218 | 0.68 | 10493 | 0 | 34 | 64.0 | 8215 | 0 | 34 | 62.9 | -1.1 |
| 139 | | 528493 | 179886 | 528520 | 179907 | 0.04 | 3489 | 2 | 23 | 59.9 | 4521 | 2 | 23 | 60.9 | 1.0 |
| 140 | 1199 | 532404 | 180726 | 532320 | 180400 | 0.34 | 4278 | 20 | 39 | 65.9 | 7334 | 12 | 39 | 66.8 | 1.0 |
| 141 | | 528520 | 179907 | 528577 | 179944 | 0.04 | 3490 | 2 | 23 | 59.9 | 4522 | 2 | 23 | 60.9 | 1.0 |
| 142 | 1232 | 529976 | 178549 | 530028 | 178655 | 0.12 | 2220 | 1 | 32 | 57.3 | 2613 | 1 | 32 | 58.2 | 1.0 |
| 143 | | 529094 | 179164 | 529183 | 179178 | 0.09 | 3208 | 5 | 27 | 61.0 | 4131 | 5 | 27 | 62.0 | 1.0 |
| 144 | 1198 | 527530 | 179690 | 527590 | 179710 | 0.03 | 1000 | 0 | 41 | 52.2 | 1145 | 0 | 41 | 53.2 | 1.0 |
| 145 | | 527590 | 179710 | 527640 | 179690 | 0.03 | 1000 | 0 | 20* | 50.9 | 1145 | 0 | 20 | 51.9 | 1.0 |
| 146 | | 529963 | 178293 | 529990 | 178330 | 0.05 | 7661 | 3 | 37 | 64.1 | 8401 | 4 | 37 | 65.1 | 1.0 |
| 147 | | 530045 | 178984 | 529975 | 178983 | 0.07 | 3606 | 6 | 35 | 61.8 | 4104 | 7 | 35 | 62.8 | 1.0 |
| 148 | | 530126 | 178985 | 530045 | 178984 | 0.16 | 3606 | 6 | 35 | 61.8 | 4104 | 7 | 35 | 62.8 | 1.0 |
| 149 | | 529990 | 178330 | 530097 | 178403 | 0.16 | 7658 | 3 | 36 | 64.1 | 8392 | 4 | 36 | 65.0 | 1.0 |
| 150 | | 530097 | 178403 | 530147 | 178467 | 0.05 | 7661 | 3 | 36 | 64.1 | 8401 | 4 | 36 | 65.0 | 1.0 |
| 151 | | 530220 | 180763 | 530123 | 180847 | 0.13 | 3623 | 3 | 29 | 60.7 | 4323 | 4 | 29 | 61.7 | 1.0 |
| 152 | | 532092 | 180202 | 532266 | 180163 | 0.18 | 8509 | 8 | 34 | 66.3 | 12591 | 6 | 33 | 67.3 | 1.0 |
| 153 | | 527732 | 180876 | 526951 | 180770 | 0.79 | 3889 | 0 | 33 | 59.4 | 4911 | 0 | 33 | 60.4 | 1.0 |
| 154 | | 532168 | 181235 | 532470 | 181158 | 0.31 | 3328 | 5 | 31 | 61.0 | 4080 | 5 | 31 | 62.0 | 1.0 |
| 155 | | 530692 | 180682 | 530609 | 180825 | 0.16 | 5222 | 7 | 20* | 64.7 | 7315 | 6 | 20 | 65.7 | 1.0 |
| 156 | 1140 | 527900 | 178600 | 527825 | 178691 | 0.12 | 4828 | 9 | 29 | 63.9 | 5187 | 11 | 29 | 65.0 | 1.0 |
| 157 | 1199 | 533835 | 180790 | 533773 | 180690 | 0.12 | 8979 | 1 | 20* | 63.7 | 8809 | 3 | 20 | 64.8 | 1.0 |
| 158 | | 528647 | 179986 | 528677 | 180011 | 0.02 | 2354 | 3 | 22 | 58.4 | 2968 | 2 | 22 | 59.4 | 1.0 |
| 159 | | 531593 | 179996 | 531651 | 180008 | 0.06 | 4004 | 10 | 30 | 63.4 | 4652 | 11 | 30 | 64.5 | 1.0 |
| 160 | | 531170 | 179170 | 531192 | 179194 | 0.08 | 5310 | 11 | 36 | 65.0 | 6743 | 11 | 36 | 66.0 | 1.1 |
| 161 | | 531170 | 181124 | 531283 | 181160 | 0.12 | 11015 | 3 | 28 | 65.3 | 14305 | 3 | 27 | 66.3 | 1.1 |
| 162 | | 530943 | 179091 | 530970 | 179100 | 0.03 | 5310 | 11 | 35 | 65.0 | 6743 | 11 | 35 | 66.0 | 1.1 |
| 163 | | 531020 | 179120 | 531170 | 179170 | 0.05 | 5306 | 11 | 35 | 65.0 | 6735 | 11 | 35 | 66.0 | 1.1 |
| 164 | | 529870 | 178360 | 529920 | 178433 | 0.09 | 1599 | 3 | 31 | 56.0 | 1863 | 3 | 31 | 57.0 | 1.1 |
| 165 | | 531523 | 179969 | 531593 | 179996 | 0.08 | 3812 | 9 | 31 | 63.0 | 4454 | 10 | 31 | 64.1 | 1.1 |
| 166 | | 529312 | 180679 | 529350 | 180710 | 0.06 | 3425 | 2 | 29 | 59.8 | 3752 | 3 | 29 | 60.9 | 1.1 |

| ID | IA ID | Grid Reference | | | | Length (km) | Do-Minimum (DM) | | | | Do-Something (DS) | | | | Difference DS - DM (L _{A10, 18h} dB) |
|-----|-------|----------------|--------|-----------|--------|-------------|-----------------|------|--------------|--------------------------------|-------------------|------|--------------|--------------------------------|---|
| | | Start Point | | End Point | | | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | |
| | | X | Y | X | Y | | | | | | | | | | |
| 167 | | 526765 | 181744 | 527021 | 181739 | 0.29 | 4590 | 5 | 20* | 62.9 | 5258 | 6 | 20 | 64.0 | 1.1 |
| 168 | | 528057 | 178422 | 527949 | 178301 | 0.16 | 1420 | 5 | 27 | 56.3 | 1679 | 5 | 27 | 57.4 | 1.1 |
| 169 | | 533043 | 181126 | 532718 | 181114 | 0.32 | 2013 | 4 | 20* | 58.3 | 1891 | 7 | 20 | 59.4 | 1.1 |
| 170 | | 533374 | 181125 | 533043 | 181126 | 0.34 | 2013 | 4 | 20* | 58.3 | 1891 | 7 | 20 | 59.4 | 1.1 |
| 171 | | 530395 | 178960 | 530470 | 178960 | 0.12 | 3500 | 5 | 35 | 61.4 | 4660 | 5 | 35 | 62.5 | 1.1 |
| 172 | | 530310 | 178970 | 530395 | 178960 | 0.12 | 3500 | 5 | 35 | 61.4 | 4660 | 5 | 35 | 62.5 | 1.1 |
| 173 | | 530470 | 178960 | 530531 | 178946 | 0.03 | 3509 | 5 | 35 | 61.4 | 4700 | 4 | 35 | 62.5 | 1.1 |
| 174 | | 530245 | 178979 | 530310 | 178970 | 0.04 | 3509 | 5 | 35 | 61.4 | 4701 | 4 | 35 | 62.5 | 1.1 |
| 175 | | 530130 | 181450 | 530200 | 181490 | 0.06 | 3513 | 0 | 29 | 58.6 | 4537 | 0 | 29 | 59.7 | 1.1 |
| 176 | | 530245 | 178979 | 530175 | 178982 | 0.07 | 3047 | 6 | 31 | 61.2 | 3852 | 6 | 30 | 62.3 | 1.1 |
| 177 | | 525916 | 180996 | 525997 | 180609 | 0.40 | 2883 | 2 | 20* | 59.0 | 3222 | 2 | 20 | 60.1 | 1.1 |
| 178 | | 531650 | 180906 | 531668 | 180922 | 0.02 | 7777 | 5 | 20* | 65.4 | 8751 | 6 | 20 | 66.6 | 1.1 |
| 179 | 1310 | 527949 | 178301 | 527838 | 178314 | 0.15 | 1393 | 5 | 22 | 56.5 | 1655 | 5 | 22 | 57.6 | 1.1 |
| 180 | 1199 | 527130 | 181626 | 527247 | 181501 | 0.17 | 22830 | 3 | 22 | 68.7 | 24844 | 4 | 21 | 69.9 | 1.1 |
| 181 | | 528577 | 179944 | 528629 | 179980 | 0.01 | 1893 | 4 | 20* | 58.0 | 2428 | 3 | 20 | 59.1 | 1.1 |
| 182 | 683 | 531907 | 180262 | 531862 | 180141 | 0.13 | 1690 | 3 | 27 | 56.2 | 1507 | 7 | 27 | 57.4 | 1.1 |
| 183 | | 532092 | 180202 | 531907 | 180262 | 0.20 | 8962 | 6 | 33 | 66.0 | 12574 | 5 | 33 | 67.1 | 1.1 |
| 184 | | 526190 | 180699 | 526202 | 180636 | 0.06 | 1086 | 5 | 20* | 54.8 | 1508 | 3 | 20 | 55.9 | 1.2 |
| 185 | | 531640 | 180780 | 531642 | 180806 | 0.05 | 17359 | 5 | 36 | 68.5 | 20701 | 6 | 36 | 69.6 | 1.2 |
| 186 | | 531650 | 180550 | 531640 | 180710 | 0.18 | 17353 | 5 | 35 | 68.4 | 20685 | 6 | 35 | 69.6 | 1.2 |
| 187 | | 531640 | 180710 | 531640 | 180780 | 0.05 | 17356 | 5 | 35 | 68.4 | 20690 | 6 | 35 | 69.6 | 1.2 |
| 188 | | 527825 | 178691 | 527710 | 179153 | 0.48 | 7203 | 3 | 31 | 63.5 | 7747 | 5 | 31 | 64.7 | 1.2 |
| 189 | | 530970 | 179100 | 531020 | 179120 | 0.12 | 5118 | 11 | 35 | 64.8 | 6698 | 11 | 35 | 66.0 | 1.2 |
| 190 | | 531644 | 180501 | 531650 | 180550 | 0.05 | 17359 | 5 | 32 | 68.3 | 20701 | 6 | 32 | 69.5 | 1.2 |
| 191 | | 529350 | 180710 | 529436 | 180787 | 0.09 | 3425 | 2 | 23 | 59.9 | 3752 | 3 | 23 | 61.1 | 1.2 |
| 192 | | 527719 | 181752 | 527679 | 181740 | 0.04 | 3688 | 3 | 23 | 60.6 | 4638 | 3 | 21 | 61.8 | 1.2 |
| 193 | | 529771 | 178510 | 529772 | 178487 | 0.03 | 1420 | 2 | 24 | 55.1 | 1646 | 3 | 24 | 56.3 | 1.2 |
| 194 | | 529757 | 178763 | 529760 | 178703 | 0.06 | 1401 | 2 | 29 | 54.7 | 1620 | 3 | 28 | 56.0 | 1.2 |
| 195 | | 529772 | 178487 | 529763 | 178438 | 0.06 | 1420 | 2 | 21 | 55.3 | 1646 | 3 | 21 | 56.5 | 1.2 |
| 196 | | 531650 | 180400 | 531644 | 180501 | 0.10 | 17061 | 5 | 31 | 68.2 | 20468 | 6 | 31 | 69.4 | 1.2 |
| 197 | | 527838 | 178314 | 527705 | 178434 | 0.18 | 1400 | 4 | 20* | 56.5 | 1663 | 5 | 20 | 57.7 | 1.2 |
| 198 | | 529760 | 178703 | 529769 | 178554 | 0.18 | 1401 | 2 | 26 | 54.7 | 1620 | 3 | 26 | 56.0 | 1.2 |
| 199 | | 526973 | 180993 | 526846 | 181125 | 0.18 | 4711 | 2 | 24 | 61.3 | 5850 | 3 | 24 | 62.6 | 1.3 |
| 200 | | 528939 | 178526 | 529053 | 178583 | 0.14 | 1338 | 6 | 26 | 56.2 | 1587 | 6 | 26 | 57.4 | 1.3 |
| 201 | | 527735 | 181345 | 527937 | 181405 | 0.21 | 5017 | 6 | 31 | 63.4 | 5754 | 9 | 31 | 64.7 | 1.3 |
| 202 | | 530911 | 181038 | 531077 | 181094 | 0.18 | 6752 | 2 | 36 | 63.2 | 8894 | 2 | 36 | 64.5 | 1.3 |
| 203 | | 529769 | 178554 | 529771 | 178510 | 0.04 | 1401 | 2 | 23 | 54.8 | 1620 | 3 | 23 | 56.0 | 1.3 |
| 204 | | 529944 | 178481 | 529976 | 178549 | 0.08 | 1286 | 2 | 31 | 54.3 | 1537 | 2 | 31 | 55.6 | 1.3 |
| 205 | | 529920 | 178433 | 529944 | 178481 | 0.05 | 1286 | 2 | 30 | 54.3 | 1537 | 2 | 30 | 55.6 | 1.3 |
| 206 | | 530175 | 178982 | 530126 | 178985 | 0.05 | 2962 | 8 | 31 | 61.6 | 3714 | 9 | 31 | 62.8 | 1.3 |
| 207 | | 530147 | 178467 | 530254 | 178782 | 0.34 | 6650 | 4 | 34 | 63.9 | 7134 | 7 | 34 | 65.2 | 1.3 |
| 208 | 1199 | 531404 | 181565 | 531302 | 181992 | 0.44 | 2312 | 0 | 35 | 57.2 | 2856 | 1 | 35 | 58.5 | 1.3 |

| ID | IA ID | Grid Reference | | | | Length (km) | Do-Minimum (DM) | | | | Do-Something (DS) | | | | Difference DS - DM (L _{A10, 18h} dB) |
|-----|-------|----------------|--------|-----------|--------|-------------|-----------------|------|--------------|--------------------------------|-------------------|------|--------------|--------------------------------|---|
| | | Start Point | | End Point | | | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | |
| | | X | Y | X | Y | | | | | | | | | | |
| 209 | | 528677 | 180011 | 528690 | 180016 | 0.01 | 2449 | 3 | 20* | 58.8 | 3429 | 2 | 20 | 60.1 | 1.3 |
| 210 | | 530060 | 181420 | 530130 | 181450 | 0.07 | 2993 | 0 | 20* | 57.6 | 3979 | 0 | 20 | 59.0 | 1.3 |
| 211 | | 529973 | 180874 | 530060 | 180875 | 0.09 | 1579 | 4 | 20* | 57.2 | 1892 | 5 | 20 | 58.5 | 1.3 |
| 212 | | 530225 | 179125 | 530205 | 179225 | 0.10 | 6119 | 5 | 33 | 63.6 | 6416 | 8 | 33 | 65.0 | 1.4 |
| 213 | | 527641 | 181655 | 527739 | 181687 | 0.10 | 2464 | 4 | 25 | 59.2 | 2736 | 6 | 25 | 60.5 | 1.4 |
| 214 | | 527527 | 181690 | 527370 | 181745 | 0.18 | 1156 | 3 | 21 | 54.5 | 1648 | 2 | 21 | 55.9 | 1.4 |
| 215 | 683 | 530246 | 179017 | 530225 | 179125 | 0.11 | 6119 | 5 | 32 | 63.6 | 6416 | 8 | 32 | 65.0 | 1.4 |
| 216 | | 531907 | 180262 | 531650 | 180400 | 0.30 | 9365 | 6 | 23 | 66.2 | 12280 | 6 | 23 | 67.6 | 1.4 |
| 217 | | 525916 | 180996 | 526111 | 181059 | 0.21 | 1461 | 7 | 26 | 57.3 | 2199 | 4 | 26 | 58.7 | 1.4 |
| 218 | | 531642 | 180806 | 531650 | 180906 | 0.09 | 6180 | 6 | 20* | 64.8 | 8360 | 6 | 20 | 66.3 | 1.4 |
| 219 | | 526640 | 182266 | 526954 | 182389 | 0.34 | 1197 | 0 | 22 | 52.2 | 1425 | 0 | 22 | 53.6 | 1.4 |
| 220 | | 528737 | 180047 | 528783 | 180115 | 0.00 | 3332 | 0 | 36 | 58.9 | 4609 | 0 | 36 | 60.4 | 1.4 |
| 221 | | 528783 | 180115 | 528807 | 180123 | 0.01 | 3332 | 0 | 20* | 58.2 | 4608 | 0 | 20 | 59.6 | 1.4 |
| 222 | 1306 | 531862 | 180141 | 531870 | 180020 | 0.13 | 1690 | 3 | 20* | 56.6 | 1507 | 7 | 20 | 58.1 | 1.5 |
| 223 | | 531697 | 181172 | 531761 | 181159 | 0.07 | 2655 | 4 | 22 | 59.7 | 3486 | 4 | 22 | 61.2 | 1.5 |
| 224 | 1306 | 527605 | 181716 | 527550 | 181850 | 0.14 | 1097 | 3 | 20* | 54.2 | 1323 | 4 | 20 | 55.7 | 1.5 |
| 225 | 1232 | 531761 | 181159 | 531834 | 181144 | 0.08 | 2407 | 4 | 25 | 59.2 | 3151 | 5 | 25 | 60.7 | 1.5 |
| 226 | | 529183 | 179178 | 529261 | 179198 | 0.09 | 2155 | 6 | 20* | 59.8 | 3143 | 5 | 20 | 61.4 | 1.5 |
| 227 | 1306 | 532138 | 181060 | 532187 | 181047 | 0.05 | 2407 | 4 | 20* | 59.7 | 3151 | 5 | 20 | 61.2 | 1.5 |
| 228 | | 532031 | 181314 | 532027 | 181348 | 0.04 | 1806 | 5 | 27 | 58.0 | 2220 | 6 | 26 | 59.5 | 1.5 |
| 229 | | 527480 | 181270 | 527518 | 181280 | 0.13 | 2366 | 6 | 32 | 59.8 | 2838 | 8 | 32 | 61.3 | 1.5 |
| 230 | | 527518 | 181280 | 527596 | 181305 | 0.03 | 2366 | 6 | 32 | 59.8 | 2839 | 8 | 32 | 61.3 | 1.5 |
| 231 | | 530254 | 178782 | 530252 | 178796 | 0.01 | 6650 | 4 | 21 | 64.2 | 7132 | 7 | 21 | 65.8 | 1.6 |
| 232 | 1065 | 530059 | 178721 | 530135 | 178888 | 0.18 | 1067 | 2 | 26 | 53.0 | 1350 | 2 | 26 | 54.6 | 1.6 |
| 233 | 1065 | 530830 | 179830 | 530814 | 179793 | 0.03 | 1750 | 0 | 25 | 54.7 | 2287 | 0 | 25 | 56.2 | 1.6 |
| 234 | | 530814 | 179793 | 530790 | 179770 | 0.03 | 1750 | 0 | 20* | 54.7 | 2287 | 0 | 20 | 56.2 | 1.6 |
| 235 | | 530147 | 178467 | 529976 | 178549 | 0.19 | 1013 | 0 | 27 | 51.1 | 1270 | 0 | 27 | 52.7 | 1.6 |
| 236 | | 530048 | 180611 | 530060 | 180521 | 0.10 | 5318 | 2 | 32 | 62.1 | 5508 | 6 | 32 | 63.7 | 1.6 |
| 237 | 1199 | 531026 | 179297 | 531123 | 179437 | 0.17 | 1322 | 11 | 20* | 58.5 | 2051 | 7 | 20 | 60.1 | 1.6 |
| 238 | | 528577 | 179944 | 528602 | 179984 | 0.00 | 1597 | 0 | 36 | 54.9 | 2094 | 0 | 36 | 56.5 | 1.6 |
| 239 | 1199 | 529691 | 179511 | 529639 | 179402 | 0.13 | 1347 | 14 | 24 | 58.8 | 2474 | 6 | 22 | 60.4 | 1.6 |
| 240 | | 528602 | 179984 | 528629 | 179980 | 0.01 | 1597 | 0 | 20* | 54.1 | 2094 | 0 | 20 | 55.7 | 1.6 |
| 241 | | 528675 | 178414 | 528999 | 178140 | 0.43 | 1063 | 2 | 25 | 52.9 | 1399 | 2 | 25 | 54.5 | 1.7 |
| 242 | | 530245 | 178979 | 530246 | 179017 | 0.04 | 6122 | 5 | 20* | 64.1 | 6423 | 8 | 20 | 65.8 | 1.7 |
| 243 | | 527596 | 181305 | 527642 | 181319 | 0.05 | 2168 | 6 | 26 | 59.4 | 2347 | 10 | 26 | 61.1 | 1.7 |
| 244 | | 532241 | 181036 | 532286 | 181015 | 0.01 | 2637 | 5 | 38 | 60.1 | 3670 | 5 | 38 | 61.7 | 1.7 |
| 245 | 1306 | 532649 | 181269 | 532533 | 181293 | 0.12 | 1799 | 1 | 28 | 55.6 | 2289 | 1 | 28 | 57.3 | 1.7 |
| 246 | 1306 | 532120 | 181410 | 532136 | 181368 | 0.04 | 1729 | 2 | 20* | 56.3 | 2325 | 2 | 20 | 58.0 | 1.7 |
| 247 | | 532028 | 181387 | 532047 | 181403 | 0.03 | 1729 | 2 | 25 | 56.0 | 2326 | 2 | 25 | 57.7 | 1.7 |
| 248 | 1306 | 532669 | 181112 | 532584 | 181132 | 0.09 | 4260 | 3 | 33 | 61.5 | 4907 | 6 | 33 | 63.2 | 1.7 |
| 249 | | 532047 | 181403 | 532120 | 181410 | 0.07 | 1723 | 2 | 25 | 56.0 | 2318 | 2 | 25 | 57.7 | 1.7 |
| 250 | | 529436 | 180787 | 529521 | 180866 | 0.12 | 2519 | 3 | 23 | 58.8 | 3054 | 4 | 23 | 60.5 | 1.7 |

| ID | IA ID | Grid Reference | | | | Length (km) | Do-Minimum (DM) | | | | Do-Something (DS) | | | | Difference DS - DM (L _{A10, 18h} dB) |
|-----|-------|----------------|--------|-----------|--------|-------------|-----------------|------|--------------|--------------------------------|-------------------|------|--------------|--------------------------------|---|
| | | Start Point | | End Point | | | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | AAWT | %HGV | Speed (km/h) | BNL (L _{A10, 18h} dB) | |
| | | X | Y | X | Y | | | | | | | | | | |
| 251 | | 532286 | 181015 | 532325 | 181010 | 0.02 | 2626 | 5 | 39 | 60.1 | 3658 | 5 | 39 | 61.8 | 1.7 |
| 252 | | 532584 | 181132 | 532485 | 181154 | 0.10 | 4260 | 3 | 32 | 61.5 | 4902 | 6 | 32 | 63.2 | 1.7 |
| 253 | | 532325 | 181010 | 532375 | 180994 | 0.06 | 2637 | 5 | 20* | 60.3 | 3670 | 5 | 20 | 62.0 | 1.7 |
| 254 | | 529887 | 180461 | 529801 | 180581 | 0.15 | 1316 | 9 | 22 | 57.5 | 1904 | 7 | 22 | 59.3 | 1.8 |
| 255 | | 530432 | 180867 | 530399 | 180899 | 0.05 | 2036 | 3 | 48 | 58.8 | 2071 | 9 | 48 | 60.5 | 1.8 |
| 256 | | 530561 | 180951 | 530612 | 181058 | 0.12 | 1331 | 3 | 21 | 55.3 | 1942 | 2 | 21 | 57.1 | 1.8 |
| 257 | | 530943 | 179091 | 531000 | 179265 | 0.19 | 1088 | 20 | 24 | 58.5 | 1870 | 12 | 25 | 60.4 | 1.8 |
| 258 | | 530028 | 178655 | 530059 | 178721 | 0.26 | 1022 | 2 | 27 | 52.4 | 1313 | 2 | 27 | 54.3 | 1.9 |
| 259 | | 530060 | 180521 | 530061 | 180511 | 0.01 | 5318 | 2 | 22 | 62.1 | 5509 | 6 | 22 | 64.0 | 2.0 |
| 260 | | 530123 | 180847 | 530293 | 180988 | 0.21 | 1978 | 3 | 20* | 57.8 | 2661 | 4 | 20 | 59.9 | 2.1 |
| 261 | | 529737 | 177996 | 529634 | 178311 | 0.34 | 1255 | 0 | 22 | 52.6 | 1743 | 0 | 22 | 54.7 | 2.1 |
| 262 | | 531711 | 180943 | 531668 | 180922 | 0.07 | 3301 | 6 | 20* | 62.0 | 5930 | 5 | 20 | 64.1 | 2.1 |
| 263 | | 530267 | 181039 | 530324 | 181101 | 0.09 | 2109 | 4 | 23 | 58.3 | 3516 | 3 | 22 | 60.5 | 2.2 |
| 264 | | 532061 | 180023 | 532263 | 180050 | 0.20 | 1082 | 1 | 20* | 52.2 | 1085 | 4 | 20 | 54.5 | 2.2 |
| 265 | | 531789 | 180953 | 531711 | 180943 | 0.09 | 3301 | 6 | 36 | 61.4 | 5930 | 5 | 36 | 63.7 | 2.2 |
| 266 | | 529521 | 180866 | 529593 | 180925 | 0.09 | 1963 | 2 | 22 | 57.1 | 2434 | 4 | 22 | 59.4 | 2.3 |
| 267 | | 530486 | 180902 | 530432 | 180867 | 0.15 | 2036 | 3 | 30 | 57.6 | 2071 | 9 | 30 | 59.8 | 2.3 |
| 268 | | 530060 | 180875 | 530267 | 181039 | 0.27 | 2109 | 4 | 33 | 58.2 | 3516 | 3 | 33 | 60.5 | 2.3 |
| 269 | | 530293 | 180988 | 530422 | 181036 | 0.12 | 1107 | 3 | 20* | 54.3 | 1772 | 2 | 20 | 56.6 | 2.3 |
| 270 | | 530399 | 180899 | 530220 | 180763 | 0.23 | 2036 | 3 | 25 | 57.6 | 2071 | 9 | 25 | 60.0 | 2.5 |
| 271 | | 530320 | 181560 | 530345 | 181595 | 0.03 | 1785 | 0 | 31 | 55.2 | 2814 | 0 | 31 | 57.7 | 2.5 |
| 272 | | 530200 | 181490 | 530280 | 181540 | 0.11 | 1785 | 0 | 25 | 54.8 | 2814 | 0 | 24 | 57.3 | 2.5 |
| 273 | | 530280 | 181540 | 530320 | 181560 | 0.04 | 1785 | 0 | 43 | 56.3 | 2814 | 0 | 43 | 58.9 | 2.5 |
| 274 | | 531502 | 181336 | 531603 | 181356 | 0.10 | 1249 | 15 | 20* | 59.3 | 2682 | 8 | 20 | 61.9 | 2.6 |
| 275 | | 530275 | 180716 | 530083 | 180612 | 0.23 | 5136 | 3 | 27 | 62.0 | 5717 | 8 | 27 | 64.6 | 2.6 |
| 276 | | 530220 | 180763 | 530275 | 180716 | 0.08 | 4222 | 2 | 27 | 60.5 | 5317 | 5 | 27 | 63.1 | 2.6 |
| 277 | | 525848 | 180986 | 525916 | 180996 | 0.07 | 1054 | 6 | 20* | 55.0 | 1669 | 5 | 20 | 57.7 | 2.7 |
| 278 | | 530061 | 180511 | 530070 | 180420 | 0.10 | 6279 | 2 | 22 | 62.8 | 7439 | 6 | 20 | 65.6 | 2.8 |
| 279 | | 530063 | 181100 | 530056 | 180970 | 0.09 | 1167 | 1 | 31 | 53.0 | 1877 | 1 | 31 | 55.9 | 2.9 |
| 280 | | 531404 | 181565 | 531502 | 181336 | 0.25 | 1249 | 15 | 35 | 58.2 | 2683 | 8 | 35 | 61.1 | 2.9 |
| 281 | | 530083 | 180612 | 530048 | 180611 | 0.04 | 5136 | 3 | 20* | 62.4 | 5717 | 8 | 20 | 65.3 | 2.9 |
| 282 | | 529593 | 180925 | 529651 | 180825 | 0.10 | 1317 | 3 | 20* | 55.4 | 1743 | 6 | 20 | 58.4 | 3.0 |
| 283 | | 530561 | 180951 | 530486 | 180902 | 0.12 | 1618 | 3 | 41 | 56.7 | 1869 | 10 | 40 | 59.7 | 3.0 |
| 284 | | 527216 | 181034 | 527247 | 180872 | 0.17 | 2658 | 2 | 22 | 58.8 | 4941 | 3 | 21 | 62.2 | 3.4 |

Appendix G: NO₂ Concentrations

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 1 | 24711 | 21908 | -2803 | 56.7 | 55.9 | -0.9 | Minor Beneficial | 134 |
| 2 | 10803 | 12126 | 1324 | 48.5 | 49.8 | 1.3 | Minor Adverse | 182 |
| 3 | 9606 | 11338 | 1732 | 47.3 | 49.1 | 1.8 | Minor Adverse | 83 |
| 4 | 3907 | 5589 | 1681 | 41.2 | 43 | 1.9 | Minor Adverse | 65 |
| 5 | 3620 | 5213 | 1593 | 40.8 | 42.6 | 1.8 | Minor Adverse | 75 |
| 6 | 6563 | 7669 | 1106 | 44.1 | 45.3 | 1.2 | Minor Adverse | 64 |
| 7 | 15269 | 12563 | -2706 | 53.7 | 50.3 | -3.5 | Moderate Beneficial | 351 |
| 8 | 4969 | 8488 | 3519 | 42.4 | 46.1 | 3.8 | Moderate Adverse | 104 |
| 9 | 19516 | 14089 | -5428 | 55.1 | 51.7 | -3.4 | Moderate Beneficial | 177 |
| 10 | 20164 | 24045 | 3882 | 55.3 | 56.5 | 1.2 | Minor Adverse | 51 |
| 11 | 11632 | 14339 | 2707 | 49.4 | 52 | 2.6 | Moderate Adverse | 98 |
| 12 | 18443 | 19568 | 1125 | 54.8 | 55.1 | 0.4 | Negligible | 75 |
| 13 | 16219 | 18758 | 2540 | 54 | 54.9 | 0.8 | Minor Adverse | 13 |
| 14 | 11697 | 12984 | 1288 | 49.4 | 50.7 | 1.3 | Minor Adverse | 99 |
| 15 | 3185 | 0 | -3185 | 40.3 | 36.6 | -3.7 | Moderate Beneficial | 356 |
| 16 | 33004 | 20728 | -12277 | 59.1 | 55.5 | -3.6 | Moderate Beneficial | 34 |
| 17 | 33847 | 22292 | -11554 | 59.3 | 56 | -3.3 | Moderate Beneficial | 271 |
| 18 | 8700 | 9722 | 1022 | 46.4 | 47.4 | 1.1 | Minor Adverse | 55 |
| 19 | 11751 | 13209 | 1458 | 49.5 | 50.9 | 1.4 | Minor Adverse | 50 |
| 20 | 11751 | 13207 | 1456 | 49.5 | 50.9 | 1.4 | Minor Adverse | 73 |
| 21 | 6794 | 8321 | 1528 | 44.3 | 46 | 1.6 | Minor Adverse | 39 |
| 22 | 1451 | 3115 | 1664 | 38.3 | 40.3 | 1.9 | Minor Adverse | 103 |
| 23 | 1451 | 3116 | 1666 | 38.3 | 40.3 | 1.9 | Minor Adverse | 254 |
| 24 | 5950 | 7197 | 1247 | 43.4 | 44.8 | 1.3 | Minor Adverse | 76 |
| 25 | 12698 | 13829 | 1131 | 50.4 | 51.5 | 1.1 | Minor Adverse | 23 |
| 26 | 3265 | 1877 | -1387 | 40.4 | 38.8 | -1.6 | Minor Beneficial | 131 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 27 | 20190 | 24807 | 4617 | 55.3 | 56.8 | 1.4 | Minor Adverse | 71 |
| 28 | 12794 | 16616 | 3821 | 50.5 | 54.2 | 3.7 | Moderate Adverse | 122 |
| 29 | 3483 | 2233 | -1251 | 40.7 | 39.2 | -1.4 | Minor Beneficial | 147 |
| 30 | 7985 | 9733 | 1748 | 45.6 | 47.4 | 1.8 | Minor Adverse | 28 |
| 31 | 5313 | 6660 | 1346 | 42.7 | 44.2 | 1.5 | Minor Adverse | 26 |
| 32 | 3620 | 5213 | 1593 | 40.8 | 42.6 | 1.8 | Minor Adverse | 51 |
| 33 | 5323 | 6671 | 1348 | 42.7 | 44.2 | 1.5 | Minor Adverse | 10 |
| 34 | 4212 | 6188 | 1976 | 41.5 | 43.7 | 2.2 | Moderate Adverse | 10 |
| 35 | 6741 | 4108 | -2633 | 44.3 | 41.4 | -2.9 | Moderate Beneficial | 40 |
| 36 | 3265 | 1877 | -1388 | 40.4 | 38.8 | -1.6 | Minor Beneficial | 18 |
| 37 | 9793 | 5289 | -4504 | 47.5 | 42.7 | -4.8 | Significant Beneficial | 159 |
| 38 | 4212 | 6188 | 1976 | 41.5 | 43.7 | 2.2 | Moderate Adverse | 59 |
| 39 | 6741 | 4109 | -2632 | 44.3 | 41.4 | -2.9 | Moderate Beneficial | 74 |
| 40 | 10896 | 5765 | -5131 | 48.6 | 43.2 | -5.4 | Significant Beneficial | 249 |
| 41 | 7179 | 9711 | 2533 | 44.8 | 47.4 | 2.7 | Moderate Adverse | 94 |
| 42 | 9034 | 14037 | 5004 | 46.7 | 51.7 | 5 | Significant Adverse | 34 |
| 43 | 7169 | 5729 | -1440 | 44.8 | 43.2 | -1.6 | Minor Beneficial | 83 |
| 44 | 4938 | 8370 | 3432 | 42.3 | 46 | 3.7 | Moderate Adverse | 90 |
| 45 | 7169 | 5729 | -1440 | 44.8 | 43.2 | -1.6 | Minor Beneficial | 56 |
| 46 | 25377 | 18536 | -6841 | 56.9 | 54.8 | -2.1 | Moderate Beneficial | 476 |
| 47 | 34015 | 26150 | -7866 | 59.4 | 57.2 | -2.2 | Moderate Beneficial | 340 |
| 48 | 16220 | 18762 | 2541 | 54 | 54.9 | 0.8 | Minor Adverse | 13 |
| 49 | 7954 | 9200 | 1246 | 45.6 | 46.9 | 1.3 | Minor Adverse | 265 |
| 50 | 6417 | 702 | -5715 | 43.9 | 37.4 | -6.5 | Significant Beneficial | 144 |
| 51 | 27599 | 18267 | -9332 | 57.6 | 54.7 | -2.9 | Moderate Beneficial | 17 |
| 52 | 6417 | 702 | -5715 | 43.9 | 37.4 | -6.5 | Significant Beneficial | 176 |
| 53 | 33906 | 36685 | 2778 | 59.3 | 60.1 | 0.7 | Minor Adverse | 43 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 54 | 23632 | 25249 | 1616 | 56.4 | 56.9 | 0.5 | Minor Adverse | 78 |
| 55 | 1078 | 0 | -1078 | 37.9 | 36.6 | -1.3 | Minor Beneficial | 127 |
| 56 | 23632 | 25249 | 1617 | 56.4 | 56.9 | 0.5 | Minor Adverse | 90 |
| 57 | 1079 | 2373 | 1295 | 37.9 | 39.4 | 1.5 | Minor Adverse | 374 |
| 58 | 23632 | 25249 | 1617 | 56.4 | 56.9 | 0.5 | Minor Adverse | 32 |
| 59 | 10255 | 9045 | -1210 | 48 | 46.7 | -1.2 | Minor Beneficial | 20 |
| 60 | 8378 | 7225 | -1153 | 46 | 44.8 | -1.2 | Minor Beneficial | 144 |
| 61 | 11697 | 12984 | 1288 | 49.4 | 50.7 | 1.3 | Minor Adverse | 113 |
| 62 | 4938 | 8370 | 3432 | 42.3 | 46 | 3.7 | Moderate Adverse | 72 |
| 63 | 11746 | 13200 | 1453 | 49.5 | 50.9 | 1.4 | Minor Adverse | 135 |
| 64 | 11746 | 13200 | 1453 | 49.5 | 50.9 | 1.4 | Minor Adverse | 135 |
| 65 | 1977 | 3320 | 1344 | 38.9 | 40.5 | 1.5 | Minor Adverse | 323 |
| 66 | 5309 | 6655 | 1346 | 42.7 | 44.2 | 1.5 | Minor Adverse | 50 |
| 67 | 4199 | 6173 | 1974 | 41.5 | 43.7 | 2.2 | Moderate Adverse | 16 |
| 68 | 3257 | 1867 | -1389 | 40.4 | 38.8 | -1.6 | Minor Beneficial | 80 |
| 69 | 16204 | 18746 | 2543 | 54 | 54.9 | 0.8 | Minor Adverse | 34 |
| 70 | 20160 | 24033 | 3874 | 55.3 | 56.5 | 1.2 | Minor Adverse | 50 |
| 71 | 23632 | 25249 | 1616 | 56.4 | 56.9 | 0.5 | Minor Adverse | 97 |
| 72 | 20190 | 24813 | 4623 | 55.3 | 56.8 | 1.4 | Minor Adverse | 90 |
| 73 | 7985 | 9733 | 1748 | 45.6 | 47.4 | 1.8 | Minor Adverse | 42 |
| 74 | 12698 | 13829 | 1131 | 50.4 | 51.5 | 1.1 | Minor Adverse | 47 |
| 75 | 20190 | 24813 | 4623 | 55.3 | 56.8 | 1.4 | Minor Adverse | 101 |
| 76 | 18428 | 19548 | 1120 | 54.8 | 55.1 | 0.36 | Negligible | 122 |
| 77 | 18429 | 19547 | 1118 | 54.8 | 55.1 | 0.36 | Negligible | 147 |
| 78 | 4695 | 5742 | 1048 | 42 | 43.2 | 1.2 | Minor Adverse | 62 |
| 79 | 12278 | 11247 | -1031 | 50 | 49 | -1 | Minor Beneficial | 116 |
| 80 | 4904 | 6177 | 1273 | 42.3 | 43.7 | 1.4 | Minor Adverse | 75 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 81 | 34450 | 36617 | 2167 | 59.5 | 60 | 0.6 | Minor Adverse | 35 |
| 82 | 22609 | 24277 | 1668 | 56.1 | 56.6 | 0.5 | Minor Adverse | 72 |
| 83 | 23822 | 25103 | 1281 | 56.5 | 56.9 | 0.4 | Negligible | 232 |
| 84 | 23822 | 25103 | 1282 | 56.5 | 56.9 | 0.4 | Negligible | 433 |
| 85 | 17209 | 6191 | -11018 | 54.4 | 43.7 | -10.7 | Significant Beneficial | 302 |
| 86 | 17208 | 6191 | -11017 | 54.4 | 43.7 | -10.7 | Significant Beneficial | 358 |
| 87 | 4076 | 5460 | 1385 | 41.4 | 42.9 | 1.5 | Minor Adverse | 39 |
| 88 | 26457 | 24141 | -2316 | 57.3 | 56.6 | -0.7 | Minor Beneficial | 30 |
| 89 | 18360 | 9212 | -9148 | 54.8 | 46.9 | -7.9 | Significant Beneficial | 64 |
| 90 | 32654 | 22243 | -10411 | 59 | 56 | -3 | Moderate Beneficial | 157 |
| 91 | 16115 | 9262 | -6853 | 54 | 47 | -7.1 | Significant Beneficial | 429 |
| 92 | 28649 | 25749 | -2900 | 57.9 | 57.1 | -0.8 | Minor Beneficial | 30 |
| 93 | 31597 | 29192 | -2404 | 58.7 | 58.1 | -0.7 | Minor Beneficial | 10 |
| 94 | 15268 | 17815 | 2547 | 53.7 | 54.6 | 0.9 | Minor Adverse | 20 |
| 95 | 15258 | 17801 | 2543 | 53.7 | 54.6 | 0.8 | Minor Adverse | 23 |
| 96 | 3871 | 5353 | 1483 | 41.1 | 42.8 | 1.7 | Minor Adverse | 4 |
| 97 | 15268 | 17815 | 2547 | 53.7 | 54.6 | 0.9 | Minor Adverse | 10 |
| 98 | 37726 | 36379 | -1347 | 60.3 | 60 | -0.3 | Negligible | 120 |
| 99 | 37961 | 36624 | -1337 | 60.4 | 60.1 | -0.3 | Negligible | 10 |
| 100 | 13922 | 14947 | 1025 | 51.6 | 52.5 | 1 | Minor Adverse | 70 |
| 101 | 12969 | 13999 | 1030 | 50.7 | 51.6 | 1 | Minor Adverse | 10 |
| 102 | 14043 | 16063 | 2020 | 51.7 | 54 | 2.3 | Moderate Adverse | 120 |
| 103 | 14676 | 16705 | 2030 | 52.3 | 54.2 | 1.9 | Minor Adverse | 103 |
| 104 | 12188 | 9542 | -2646 | 49.9 | 47.2 | -2.7 | Moderate Beneficial | 683 |
| 105 | 12553 | 9938 | -2615 | 50.3 | 47.6 | -2.6 | Moderate Beneficial | 626 |
| 106 | 17845 | 19804 | 1960 | 54.6 | 55.2 | 0.6 | Minor Adverse | 133 |
| 107 | 17310 | 19504 | 2194 | 54.4 | 55.1 | 0.7 | Minor Adverse | 94 |
| 108 | 58386 | 59779 | 1393 | 64.6 | 64.8 | 0.2 | Negligible | 10 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 109 | 742 | 2010 | 1269 | 37.5 | 39 | 1.5 | Minor Adverse | 63 |
| 110 | 7576 | 8620 | 1043 | 45.2 | 46.3 | 1.1 | Minor Adverse | 70 |
| 111 | 7576 | 8620 | 1043 | 45.2 | 46.3 | 1.1 | Minor Adverse | 62 |
| 112 | 6868 | 3718 | -3151 | 44.4 | 40.9 | -3.5 | Moderate Beneficial | 136 |
| 113 | 1671 | 2787 | 1116 | 38.6 | 39.9 | 1.3 | Minor Adverse | 114 |
| 114 | 18632 | 21475 | 2843 | 54.8 | 55.8 | 0.9 | Minor Adverse | 47 |
| 115 | 25608 | 23316 | -2292 | 57 | 56.3 | -0.7 | Minor Beneficial | 35 |
| 116 | 27100 | 25110 | -1990 | 57.5 | 56.9 | -0.6 | Minor Beneficial | 35 |
| 117 | 29522 | 27484 | -2038 | 58.1 | 57.6 | -0.6 | Minor Beneficial | 10 |
| 118 | 30358 | 28298 | -2061 | 58.4 | 57.8 | -0.6 | Minor Beneficial | 35 |
| 119 | 28149 | 26804 | -1346 | 57.8 | 57.4 | -0.4 | Negligible | 45 |
| 120 | 28183 | 26840 | -1344 | 57.8 | 57.4 | -0.4 | Negligible | 35 |
| 121 | 28162 | 26817 | -1345 | 57.8 | 57.4 | -0.4 | Negligible | 35 |
| 122 | 4314 | 5362 | 1048 | 41.6 | 42.8 | 1.2 | Minor Adverse | 60 |
| 123 | 4053 | 5252 | 1199 | 41.3 | 42.7 | 1.3 | Minor Adverse | 44 |
| 124 | 3870 | 5353 | 1483 | 41.1 | 42.8 | 1.7 | Minor Adverse | 8 |
| 125 | 16784 | 19266 | 2482 | 54.2 | 55 | 0.8 | Minor Adverse | 20 |
| 126 | 16784 | 19265 | 2481 | 54.2 | 55 | 0.8 | Minor Adverse | 40 |
| 127 | 20325 | 22578 | 2253 | 55.4 | 56.1 | 0.7 | Minor Adverse | 75 |
| 128 | 20962 | 22979 | 2017 | 55.6 | 56.2 | 0.6 | Minor Adverse | 40 |
| 129 | 21905 | 23576 | 1671 | 55.9 | 56.4 | 0.5 | Minor Adverse | 50 |
| 130 | 6144 | 4585 | -1559 | 43.6 | 41.9 | -1.7 | Minor Beneficial | 111 |
| 131 | 13461 | 12060 | -1401 | 51.1 | 49.8 | -1.4 | Minor Beneficial | 126 |
| 132 | 5740 | 4730 | -1010 | 43.2 | 42.1 | -1.1 | Minor Beneficial | 195 |
| 133 | 9364 | 11240 | 1876 | 47.1 | 49 | 1.9 | Minor Adverse | 146 |
| 134 | 29177 | 27078 | -2100 | 58.1 | 57.4 | -0.6 | Minor Beneficial | 40 |
| 135 | 35882 | 34401 | -1482 | 59.9 | 59.5 | -0.4 | Negligible | 52 |
| 136 | 19074 | 20213 | 1139 | 55 | 55.4 | 0.4 | Negligible | 312 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 137 | 18162 | 15643 | -2519 | 54.7 | 53.9 | -0.8 | Minor Beneficial | 360 |
| 138 | 19136 | 16550 | -2586 | 55 | 54.2 | -0.8 | Minor Beneficial | 150 |
| 139 | 5505 | 6610 | 1104 | 42.9 | 44.1 | 1.2 | Minor Adverse | 400 |
| 140 | 21730 | 19866 | -1864 | 55.8 | 55.2 | -0.6 | Minor Beneficial | 16 |
| 141 | 16605 | 14361 | -2245 | 54.2 | 52 | -2.2 | Moderate Beneficial | 34 |
| 142 | 5189 | 2429 | -2761 | 42.6 | 39.5 | -3.1 | Moderate Beneficial | 170 |
| 143 | 5777 | 2289 | -3488 | 43.2 | 39.3 | -3.9 | Moderate Beneficial | 20 |
| 144 | 7337 | 5520 | -1817 | 44.9 | 43 | -2 | Minor Beneficial | 130 |
| 145 | 6377 | 4349 | -2027 | 43.9 | 41.7 | -2.2 | Moderate Beneficial | 100 |
| 146 | 13274 | 14485 | 1211 | 51 | 52.1 | 1.2 | Minor Adverse | 63 |
| 147 | 22610 | 24277 | 1667 | 56.1 | 56.6 | 0.5 | Minor Adverse | 74 |
| 148 | 22981 | 24290 | 1310 | 56.2 | 56.6 | 0.4 | Negligible | 32 |
| 149 | 47873 | 48885 | 1012 | 62.6 | 62.9 | 0.2 | Negligible | 25 |
| 150 | 417 | 1556 | 1139 | 37.1 | 38.5 | 1.3 | Minor Adverse | 372 |
| 151 | 1284 | 2296 | 1011 | 38.1 | 39.3 | 1.2 | Minor Adverse | 126 |
| 152 | 55416 | 57335 | 1919 | 64.1 | 64.4 | 0.3 | Negligible | 45 |
| 153 | 58373 | 59760 | 1387 | 64.6 | 64.8 | 0.2 | Negligible | 20 |
| 154 | 5472 | 6795 | 1323 | 42.9 | 44.3 | 1.4 | Minor Adverse | 183 |
| 155 | 55416 | 57332 | 1916 | 64.1 | 64.4 | 0.3 | Negligible | 22 |
| 156 | 29479 | 31098 | 1620 | 58.1 | 58.6 | 0.5 | Minor Adverse | 224 |
| 157 | 29479 | 31098 | 1620 | 58.1 | 58.6 | 0.5 | Minor Adverse | 152 |
| 158 | 27130 | 28429 | 1299 | 57.5 | 57.8 | 0.4 | Negligible | 98 |
| 159 | 3087 | 5740 | 2653 | 40.2 | 43.2 | 3 | Moderate Adverse | 168 |
| 160 | 26519 | 28858 | 2339 | 57.3 | 58 | 0.7 | Minor Adverse | 168 |
| 161 | 5286 | 4045 | -1241 | 42.7 | 41.3 | -1.4 | Minor Beneficial | 63 |
| 162 | 29966 | 32657 | 2691 | 58.3 | 59 | 0.7 | Minor Adverse | 76 |
| 163 | 6257 | 5198 | -1059 | 43.8 | 42.6 | -1.2 | Minor Beneficial | 221 |
| 164 | 17007 | 14799 | -2208 | 54.3 | 52.4 | -1.9 | Minor Beneficial | 137 |
| 165 | 16567 | 14424 | -2143 | 54.2 | 52 | -2.1 | Moderate Beneficial | 220 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 166 | 8648 | 5107 | -3541 | 46.3 | 42.5 | -3.8 | Moderate Beneficial | 120 |
| 167 | 12029 | 7373 | -4656 | 49.7 | 45 | -4.8 | Significant Beneficial | 91 |
| 168 | 28026 | 30127 | 2101 | 57.7 | 58.3 | 0.6 | Minor Adverse | 138 |
| 169 | 30179 | 32442 | 2263 | 58.3 | 59 | 0.6 | Minor Adverse | 120 |
| 170 | 28812 | 30568 | 1755 | 57.9 | 58.4 | 0.5 | Minor Adverse | 34 |
| 171 | 27837 | 29626 | 1789 | 57.7 | 58.2 | 0.5 | Minor Adverse | 35 |
| 172 | 29206 | 30938 | 1732 | 58.1 | 58.5 | 0.5 | Minor Adverse | 40 |
| 173 | 7966 | 5544 | -2422 | 45.6 | 43 | -2.6 | Moderate Beneficial | 128 |
| 174 | 6714 | 3920 | -2794 | 44.3 | 41.2 | -3.1 | Moderate Beneficial | 195 |
| 175 | 2450 | 4084 | 1634 | 39.5 | 41.4 | 1.9 | Minor Adverse | 89 |
| 176 | 4203 | 1343 | -2859 | 41.5 | 38.2 | -3.3 | Moderate Beneficial | 112 |
| 177 | 25755 | 27449 | 1694 | 57.1 | 57.6 | 0.5 | Minor Adverse | 41 |
| 178 | 27837 | 29625 | 1788 | 57.7 | 58.2 | 0.5 | Minor Adverse | 42 |
| 179 | 7696 | 2631 | -5066 | 45.3 | 39.7 | -5.6 | Significant Beneficial | 73 |
| 180 | 7966 | 5544 | -2422 | 45.6 | 43 | -2.6 | Moderate Beneficial | 107 |
| 181 | 4004 | 2963 | -1041 | 41.3 | 40.1 | -1.2 | Minor Beneficial | 39 |
| 182 | 9606 | 7883 | -1723 | 47.3 | 45.5 | -1.8 | Minor Beneficial | 111 |
| 183 | 30062 | 27803 | -2259 | 58.3 | 57.7 | -0.6 | Minor Beneficial | 57 |
| 184 | 6154 | 4693 | -1461 | 43.7 | 42 | -1.6 | Minor Beneficial | 94 |
| 185 | 9606 | 7883 | -1723 | 47.3 | 45.5 | -1.8 | Minor Beneficial | 74 |
| 186 | 26857 | 25112 | -1745 | 57.4 | 56.9 | -0.5 | Minor Beneficial | 80 |
| 187 | 24976 | 26674 | 1698 | 56.8 | 57.3 | 0.5 | Minor Adverse | 38 |
| 188 | 31235 | 29460 | -1775 | 58.6 | 58.1 | -0.5 | Minor Beneficial | 103 |
| 189 | 25782 | 20756 | -5025 | 57.1 | 55.5 | -1.5 | Minor Beneficial | 73 |
| 190 | 29447 | 26797 | -2649 | 58.1 | 57.4 | -0.8 | Minor Beneficial | 44 |
| 191 | 14828 | 2915 | -11913 | 52.4 | 40 | -12.4 | Significant Beneficial | 71 |
| 192 | 9342 | 2054 | -7288 | 47 | 39 | -8 | Significant Beneficial | 101 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 193 | 26352 | 24227 | -2125 | 57.2 | 56.6 | -0.6 | Minor Beneficial | 244 |
| 194 | 25192 | 20090 | -5102 | 56.9 | 55.3 | -1.6 | Minor Beneficial | 83 |
| 195 | 25782 | 20756 | -5025 | 57.1 | 55.5 | -1.5 | Minor Beneficial | 87 |
| 196 | 4517 | 5704 | 1187 | 41.8 | 43.2 | 1.3 | Minor Adverse | 790 |
| 197 | 29322 | 26857 | -2465 | 58.1 | 57.4 | -0.7 | Minor Beneficial | 76 |
| 198 | 3795 | 4887 | 1092 | 41 | 42.3 | 1.2 | Minor Adverse | 96 |
| 199 | 6065 | 8497 | 2431 | 43.6 | 46.2 | 2.6 | Moderate Adverse | 164 |
| 200 | 10401 | 12190 | 1789 | 48.1 | 49.9 | 1.8 | Minor Adverse | 63 |
| 201 | 13307 | 2319 | -10988 | 51 | 39.3 | -11.6 | Significant Beneficial | 115 |
| 202 | 7798 | 3850 | -3948 | 45.4 | 41.1 | -4.3 | Significant Beneficial | 70 |
| 203 | 28443 | 17617 | -10826 | 57.8 | 54.5 | -3.3 | Moderate Beneficial | 142 |
| 204 | 24152 | 18308 | -5845 | 56.6 | 54.7 | -1.8 | Minor Beneficial | 248 |
| 205 | 33843 | 22289 | -11554 | 59.3 | 56 | -3.3 | Moderate Beneficial | 249 |
| 206 | 34067 | 23676 | -10391 | 59.4 | 56.4 | -3 | Moderate Beneficial | 233 |
| 207 | 31163 | 29100 | -2063 | 58.6 | 58 | -0.6 | Minor Beneficial | 89 |
| 208 | 32502 | 30862 | -1640 | 59 | 58.5 | -0.4 | Minor Beneficial | 84 |
| 209 | 28889 | 27829 | -1061 | 58 | 57.7 | -0.3 | Negligible | 10 |
| 210 | 26755 | 25618 | -1137 | 57.4 | 57 | -0.3 | Negligible | 529 |
| 211 | 18587 | 21343 | 2756 | 54.8 | 55.7 | 0.9 | Minor Adverse | 385 |
| 212 | 18616 | 21412 | 2796 | 54.8 | 55.7 | 0.9 | Minor Adverse | 107 |
| 213 | 7293 | 8641 | 1347 | 44.9 | 46.3 | 1.4 | Minor Adverse | 104 |
| 214 | 1118 | 2245 | 1127 | 37.9 | 39.3 | 1.3 | Minor Adverse | 125 |
| 215 | 10858 | 12849 | 1991 | 48.6 | 50.5 | 2 | Minor Adverse | 76 |
| 216 | 3889 | 5068 | 1180 | 41.1 | 42.5 | 1.3 | Minor Adverse | 56 |
| 217 | 9476 | 10504 | 1028 | 47.2 | 48.2 | 1 | Minor Adverse | 150 |
| 218 | 22576 | 24320 | 1744 | 56.1 | 56.6 | 0.5 | Minor Adverse | 23 |
| 219 | 18976 | 15075 | -3902 | 55 | 53.7 | -1.3 | Minor Beneficial | 343 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 220 | 11782 | 9334 | -2448 | 49.5 | 47 | -2.5 | Moderate Beneficial | 189 |
| 221 | 13700 | 11861 | -1839 | 51.4 | 49.6 | -1.8 | Minor Beneficial | 433 |
| 222 | 22324 | 24277 | 1954 | 56 | 56.6 | 0.6 | Minor Adverse | 19 |
| 223 | 22576 | 24322 | 1746 | 56.1 | 56.6 | 0.5 | Minor Adverse | 21 |
| 224 | 15285 | 16867 | 1582 | 53.7 | 54.3 | 0.5 | Minor Adverse | 27 |
| 225 | 18276 | 20550 | 2274 | 54.7 | 55.5 | 0.7 | Minor Adverse | 10 |
| 226 | 22324 | 24277 | 1954 | 56 | 56.6 | 0.6 | Minor Adverse | 10 |
| 227 | 13134 | 8400 | -4734 | 50.8 | 46.1 | -4.8 | Significant Beneficial | 77 |
| 228 | 8951 | 5181 | -3770 | 46.6 | 42.6 | -4 | Significant Beneficial | 139 |
| 229 | 18671 | 21065 | 2394 | 54.9 | 55.6 | 0.8 | Minor Adverse | 54 |
| 230 | 18670 | 21063 | 2393 | 54.9 | 55.6 | 0.8 | Minor Adverse | 55 |
| 231 | 21943 | 10686 | -11258 | 55.9 | 48.4 | -7.5 | Significant Beneficial | 21 |
| 232 | 24894 | 17313 | -7581 | 56.8 | 54.4 | -2.4 | Moderate Beneficial | 212 |
| 233 | 34474 | 24444 | -10030 | 59.5 | 56.7 | -2.8 | Moderate Beneficial | 465 |
| 234 | 11670 | 4981 | -6689 | 49.4 | 42.4 | -7 | Significant Beneficial | 201 |
| 235 | 31838 | 17583 | -14254 | 58.8 | 54.5 | -4.3 | Significant Beneficial | 312 |
| 236 | 14600 | 9746 | -4854 | 52.2 | 47.5 | -4.8 | Significant Beneficial | 203 |
| 237 | 10519 | 8925 | -1594 | 48.2 | 46.6 | -1.6 | Minor Beneficial | 201 |
| 238 | 4236 | 3100 | -1136 | 41.5 | 40.2 | -1.3 | Minor Beneficial | 115 |
| 239 | 24170 | 22641 | -1529 | 56.6 | 56.1 | -0.5 | Minor Beneficial | 20 |
| 240 | 2844 | 3983 | 1139 | 40 | 41.2 | 1.3 | Minor Adverse | 10 |
| 241 | 37151 | 34310 | -2841 | 60.2 | 59.5 | -0.7 | Minor Beneficial | 70 |
| 242 | 51682 | 49678 | -2004 | 63.4 | 63 | -0.4 | Negligible | 142 |
| 243 | 41809 | 38742 | -3067 | 61.3 | 60.6 | -0.7 | Minor Beneficial | 32 |
| 244 | 29896 | 28813 | -1083 | 58.3 | 57.9 | -0.3 | Negligible | 27 |
| 245 | 7243 | 5482 | -1761 | 44.8 | 42.9 | -1.9 | Minor Beneficial | 67 |
| 246 | 31837 | 17583 | -14254 | 58.8 | 54.5 | -4.3 | Significant Beneficial | 400 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 247 | 41716 | 39048 | -2668 | 61.3 | 60.7 | -0.6 | Minor Beneficial | 55 |
| 248 | 11551 | 10482 | -1070 | 49.3 | 48.2 | -1.1 | Minor Beneficial | 12 |
| 249 | 27940 | 25905 | -2035 | 57.7 | 57.1 | -0.6 | Minor Beneficial | 150 |
| 250 | 29757 | 27636 | -2121 | 58.2 | 57.6 | -0.6 | Minor Beneficial | 37 |
| 251 | 36886 | 33027 | -3859 | 60.1 | 59.1 | -1 | Minor Beneficial | 82 |
| 252 | 40372 | 34266 | -6106 | 61 | 59.4 | -1.5 | Minor Beneficial | 148 |
| 253 | 20854 | 19123 | -1730 | 55.6 | 55 | -0.6 | Minor Beneficial | 164 |
| 254 | 16159 | 14464 | -1695 | 54 | 52.1 | -1.9 | Minor Beneficial | 66 |
| 255 | 24168 | 11877 | -12291 | 56.6 | 49.6 | -7 | Significant Beneficial | 93 |
| 256 | 15717 | 8117 | -7600 | 53.9 | 45.8 | -8.1 | Significant Beneficial | 31 |
| 257 | 18391 | 13030 | -5361 | 54.8 | 50.7 | -4 | Significant Beneficial | 80 |
| 258 | 10554 | 8999 | -1555 | 48.3 | 46.7 | -1.6 | Minor Beneficial | 43 |
| 259 | 19795 | 20997 | 1202 | 55.2 | 55.6 | 0.4 | Negligible | 24 |
| 260 | 23441 | 24796 | 1355 | 56.4 | 56.8 | 0.4 | Minor Adverse | 72 |
| 261 | 20858 | 18791 | -2067 | 55.6 | 54.9 | -0.7 | Minor Beneficial | 56 |
| 262 | 4032 | 2866 | -1167 | 41.3 | 40 | -1.3 | Minor Beneficial | 210 |
| 263 | 13375 | 8437 | -4938 | 51.1 | 46.1 | -5 | Significant Beneficial | 201 |
| 264 | 19910 | 12343 | -7566 | 55.3 | 50.1 | -5.2 | Significant Beneficial | 78 |
| 265 | 22600 | 15171 | -7429 | 56.1 | 53.7 | -2.4 | Moderate Beneficial | 92 |
| 266 | 6606 | 4439 | -2167 | 44.1 | 41.8 | -2.4 | Moderate Beneficial | 185 |
| 267 | 15038 | 7757 | -7281 | 53.6 | 45.4 | -8.3 | Significant Beneficial | 123 |
| 268 | 14291 | 15297 | 1006 | 51.9 | 53.7 | 1.8 | Minor Adverse | 146 |
| 269 | 17845 | 19805 | 1960 | 54.6 | 55.2 | 0.6 | Minor Adverse | 31 |
| 270 | 7948 | 6366 | -1582 | 45.6 | 43.9 | -1.7 | Minor Beneficial | 130 |
| 271 | 17584 | 16487 | -1097 | 54.5 | 54.1 | -0.4 | Negligible | 105 |
| 272 | 7730 | 9080 | 1349 | 45.3 | 46.8 | 1.4 | Minor Adverse | 281 |
| 273 | 3004 | 4185 | 1181 | 40.1 | 41.5 | 1.3 | Minor Adverse | 85 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 274 | 9384 | 10531 | 1147 | 47.1 | 48.3 | 1.2 | Minor Adverse | 77 |
| 275 | 4411 | 5617 | 1206 | 41.7 | 43.1 | 1.3 | Minor Adverse | 92 |
| 276 | 22981 | 24289 | 1309 | 56.2 | 56.6 | 0.4 | Negligible | 53 |
| 277 | 8540 | 5156 | -3383 | 46.2 | 42.6 | -3.6 | Moderate Beneficial | 158 |
| 278 | 11079 | 12167 | 1088 | 48.8 | 49.9 | 1.1 | Minor Adverse | 74 |
| 279 | 7300 | 8751 | 1451 | 44.9 | 46.4 | 1.5 | Minor Adverse | 218 |
| 280 | 14397 | 6608 | -7790 | 52 | 44.1 | -7.9 | Significant Beneficial | 117 |
| 281 | 9378 | 10521 | 1144 | 47.1 | 48.2 | 1.2 | Minor Adverse | 101 |
| 282 | 5682 | 2915 | -2767 | 43.1 | 40 | -3.1 | Moderate Beneficial | 41 |
| 283 | 7205 | 3509 | -3696 | 44.8 | 40.7 | -4.1 | Significant Beneficial | 75 |
| 284 | 9993 | 11481 | 1488 | 47.7 | 49.2 | 1.5 | Minor Adverse | 19 |
| 285 | 2080 | 3660 | 1580 | 39.1 | 40.9 | 1.8 | Minor Adverse | 125 |
| 286 | 2967 | 1805 | -1162 | 40.1 | 38.7 | -1.3 | Minor Beneficial | 204 |
| 287 | 742 | 2010 | 1269 | 37.5 | 39 | 1.5 | Minor Adverse | 107 |
| 288 | 742 | 2010 | 1269 | 37.5 | 39 | 1.5 | Minor Adverse | 27 |
| 289 | 2967 | 1805 | -1162 | 40.1 | 38.7 | -1.3 | Minor Beneficial | 177 |
| 290 | 6154 | 4693 | -1461 | 43.7 | 42 | -1.6 | Minor Beneficial | 72 |
| 291 | 8676 | 5227 | -3449 | 46.3 | 42.6 | -3.7 | Moderate Beneficial | 31 |
| 292 | 298 | 1642 | 1343 | 37 | 38.6 | 1.6 | Minor Adverse | 98 |
| 293 | 12285 | 9532 | -2753 | 50 | 47.2 | -2.8 | Moderate Beneficial | 179 |
| 294 | 16592 | 19501 | 2910 | 54.2 | 55.1 | 1 | Minor Adverse | 34 |
| 295 | 16592 | 19501 | 2910 | 54.2 | 55.1 | 1 | Minor Adverse | 64 |
| 296 | 55398 | 57319 | 1921 | 64.1 | 64.4 | 0.3 | Negligible | 44 |
| 297 | 19579 | 20759 | 1180 | 55.1 | 55.5 | 0.4 | Negligible | 82 |
| 298 | 13926 | 14953 | 1028 | 51.6 | 52.5 | 1 | Minor Adverse | 58 |
| 299 | 5530 | 4372 | -1158 | 43 | 41.7 | -1.3 | Minor Beneficial | 414 |
| 300 | 5530 | 4372 | -1158 | 43 | 41.7 | -1.3 | Minor Beneficial | 95 |
| 301 | 10128 | 6213 | -3914 | 47.8 | 43.7 | -4.1 | Significant Beneficial | 566 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 302 | 29603 | 26977 | -2626 | 58.2 | 57.4 | -0.8 | Minor Beneficial | 821 |
| 303 | 19475 | 20764 | 1289 | 55.1 | 55.5 | 0.4 | Minor Adverse | 1205 |
| 304 | 14369 | 12175 | -2194 | 52 | 49.9 | -2.1 | Moderate Beneficial | 362 |
| 305 | 20928 | 22789 | 1861 | 55.6 | 56.2 | 0.6 | Minor Adverse | 1232 |
| 306 | 12405 | 10482 | -1923 | 50.1 | 48.2 | -1.9 | Minor Beneficial | 153 |
| 307 | 11502 | 9861 | -1641 | 49.2 | 47.6 | -1.7 | Minor Beneficial | 205 |
| 308 | 7104 | 5888 | -1216 | 44.7 | 43.4 | -1.3 | Minor Beneficial | 88 |
| 309 | 7664 | 9244 | 1579 | 45.3 | 46.9 | 1.7 | Minor Adverse | 199 |
| 310 | 13044 | 11541 | -1503 | 50.7 | 49.3 | -1.5 | Minor Beneficial | 112 |
| 311 | 9571 | 5941 | -3630 | 47.3 | 43.4 | -3.8 | Moderate Beneficial | 281 |
| 312 | 10400 | 7565 | -2835 | 48.1 | 45.2 | -2.9 | Moderate Beneficial | 192 |
| 313 | 19834 | 5638 | -14196 | 55.2 | 43.1 | -12.1 | Significant Beneficial | 70 |
| 314 | 20897 | 19332 | -1565 | 55.6 | 55.1 | -0.5 | Minor Beneficial | 109 |
| 315 | 10463 | 740 | -9723 | 48.2 | 37.5 | -10.7 | Significant Beneficial | 93 |
| 316 | 19423 | 17392 | -2031 | 55.1 | 54.4 | -0.7 | Minor Beneficial | 212 |
| 317 | 21633 | 19499 | -2134 | 55.8 | 55.1 | -0.7 | Minor Beneficial | 82 |
| 318 | 25774 | 24749 | -1025 | 57.1 | 56.8 | -0.3 | Negligible | 99 |
| 319 | 4053 | 5252 | 1199 | 41.3 | 42.7 | 1.3 | Minor Adverse | 10 |
| 320 | 10401 | 7565 | -2836 | 48.1 | 45.2 | -2.9 | Moderate Beneficial | 156 |
| 321 | 5286 | 4045 | -1241 | 42.7 | 41.3 | -1.4 | Minor Beneficial | 66 |
| 322 | 19573 | 20748 | 1175 | 55.1 | 55.5 | 0.4 | Negligible | 161 |
| 323 | 29178 | 27076 | -2102 | 58.1 | 57.4 | -0.6 | Minor Beneficial | 52 |
| 324 | 11948 | 10177 | -1770 | 49.7 | 47.9 | -1.8 | Minor Beneficial | 59 |
| 325 | 14054 | 12343 | -1711 | 51.7 | 50.1 | -1.6 | Minor Beneficial | 84 |
| 326 | 23091 | 18156 | -4936 | 56.3 | 54.7 | -1.6 | Minor Beneficial | 268 |
| 327 | 24976 | 26673 | 1697 | 56.8 | 57.3 | 0.5 | Minor Adverse | 73 |
| 328 | 57051 | 54969 | -2082 | 64.4 | 64 | -0.4 | Negligible | 10 |
| 329 | 25644 | 23354 | -2290 | 57 | 56.3 | -0.7 | Minor Beneficial | 10 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 330 | 9000 | 6746 | -2254 | 46.7 | 44.3 | -2.4 | Moderate Beneficial | 281 |
| 331 | 7234 | 5471 | -1763 | 44.8 | 42.9 | -1.9 | Minor Beneficial | 222 |
| 332 | 12882 | 15220 | 2339 | 50.6 | 53.7 | 3.1 | Moderate Adverse | 14 |
| 333 | 22318 | 24269 | 1951 | 56 | 56.6 | 0.6 | Minor Adverse | 28 |
| 334 | 4065 | 5413 | 1348 | 41.3 | 42.8 | 1.5 | Minor Adverse | 116 |
| 335 | 10534 | 8956 | -1577 | 48.3 | 46.6 | -1.6 | Minor Beneficial | 190 |
| 336 | 7781 | 9386 | 1604 | 45.4 | 47.1 | 1.7 | Minor Adverse | 196 |
| 337 | 9858 | 12013 | 2155 | 47.6 | 49.7 | 2.2 | Moderate Adverse | 21 |
| 338 | 22570 | 24313 | 1744 | 56.1 | 56.6 | 0.5 | Minor Adverse | 20 |
| 339 | 58368 | 59779 | 1411 | 64.6 | 64.8 | 0.2 | Negligible | 25 |
| 340 | 58351 | 59762 | 1411 | 64.6 | 64.8 | 0.2 | Negligible | 37 |
| 341 | 899 | 2287 | 1389 | 37.7 | 39.3 | 1.6 | Minor Adverse | 131 |
| 342 | 27837 | 29625 | 1788 | 57.7 | 58.2 | 0.5 | Minor Adverse | 40 |
| 343 | 2450 | 4084 | 1634 | 39.5 | 41.4 | 1.9 | Minor Adverse | 267 |
| 344 | 4004 | 2963 | -1041 | 41.3 | 40.1 | -1.2 | Minor Beneficial | 41 |
| 345 | 45861 | 43994 | -1867 | 62.2 | 61.8 | -0.4 | Minor Beneficial | 40 |
| 346 | 29336 | 26878 | -2458 | 58.1 | 57.4 | -0.7 | Minor Beneficial | 52 |
| 347 | 4053 | 5252 | 1199 | 41.3 | 42.7 | 1.3 | Minor Adverse | 44 |
| 348 | 14369 | 12174 | -2195 | 52 | 49.9 | -2.1 | Moderate Beneficial | 33 |
| 349 | 6205 | 3600 | -2605 | 43.7 | 40.8 | -2.9 | Moderate Beneficial | 118 |
| 350 | 8541 | 6458 | -2083 | 46.2 | 44 | -2.2 | Moderate Beneficial | 52 |
| 351 | 28813 | 30568 | 1755 | 57.9 | 58.4 | 0.5 | Minor Adverse | 32 |
| 352 | 9272 | 10831 | 1559 | 47 | 48.6 | 1.6 | Minor Adverse | 42 |
| 353 | 7843 | 10330 | 2488 | 45.5 | 48 | 2.6 | Moderate Adverse | 176 |
| 354 | 13651 | 15904 | 2252 | 51.3 | 53.9 | 2.6 | Moderate Adverse | 101 |
| 355 | 16993 | 19336 | 2343 | 54.3 | 55.1 | 0.8 | Minor Adverse | 76 |
| 356 | 8612 | 9970 | 1359 | 46.3 | 47.7 | 1.4 | Minor Adverse | 45 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 357 | 4065 | 5413 | 1348 | 41.3 | 42.8 | 1.5 | Minor Adverse | 118 |
| 358 | 33987 | 36075 | 2088 | 59.4 | 59.9 | 0.5 | Minor Adverse | 159 |
| 359 | 33987 | 36075 | 2088 | 59.4 | 59.9 | 0.5 | Minor Adverse | 117 |
| 360 | 4793 | 5932 | 1139 | 42.2 | 43.4 | 1.3 | Minor Adverse | 40 |
| 361 | 9377 | 10521 | 1144 | 47.1 | 48.2 | 1.2 | Minor Adverse | 54 |
| 362 | 19881 | 9107 | -10774 | 55.2 | 46.8 | -8.5 | Significant Beneficial | 332 |
| 363 | 41847 | 38990 | -2857 | 61.3 | 60.6 | -0.7 | Minor Beneficial | 53 |
| 364 | 7602 | 6501 | -1101 | 45.2 | 44 | -1.2 | Minor Beneficial | 65 |
| 365 | 46755 | 47907 | 1152 | 62.4 | 62.7 | 0.2 | Negligible | 25 |
| 366 | 10107 | 11156 | 1049 | 47.8 | 48.9 | 1.1 | Minor Adverse | 10 |
| 367 | 42749 | 43984 | 1235 | 61.5 | 61.8 | 0.3 | Negligible | 9 |
| 368 | 38217 | 39335 | 1118 | 60.4 | 60.7 | 0.3 | Negligible | 10 |
| 369 | 43371 | 44729 | 1357 | 61.7 | 62 | 0.3 | Negligible | 15 |
| 370 | 46719 | 48358 | 1639 | 62.4 | 62.8 | 0.3 | Negligible | 25 |
| 371 | 37223 | 38278 | 1055 | 60.2 | 60.5 | 0.3 | Negligible | 37 |
| 372 | 41636 | 42832 | 1196 | 61.3 | 61.5 | 0.3 | Negligible | 474 |
| 373 | 42600 | 43828 | 1228 | 61.5 | 61.8 | 0.3 | Negligible | 6 |
| 374 | 55496 | 56899 | 1403 | 64.1 | 64.4 | 0.2 | Negligible | 56 |
| 375 | 46718 | 48358 | 1640 | 62.4 | 62.8 | 0.3 | Negligible | 10 |
| 376 | 46714 | 48359 | 1645 | 62.4 | 62.8 | 0.3 | Negligible | 10 |
| 377 | 6698 | 7713 | 1016 | 44.2 | 45.3 | 1.1 | Minor Adverse | 266 |
| 378 | 9936 | 11413 | 1477 | 47.6 | 49.1 | 1.5 | Minor Adverse | 22 |
| 379 | 13763 | 15282 | 1518 | 51.4 | 53.7 | 2.3 | Moderate Adverse | 66 |
| 380 | 12350 | 13833 | 1483 | 50.1 | 51.5 | 1.4 | Minor Adverse | 41 |
| 381 | 14677 | 16183 | 1506 | 52.3 | 54 | 1.7 | Minor Adverse | 30 |
| 382 | 10107 | 11156 | 1049 | 47.8 | 48.9 | 1.1 | Minor Adverse | 17 |
| 383 | 4081 | 5270 | 1189 | 41.4 | 42.7 | 1.3 | Minor Adverse | 59 |
| 384 | 2073 | 3269 | 1195 | 39.1 | 40.4 | 1.4 | Minor Adverse | 111 |
| 385 | 3476 | 4622 | 1146 | 40.7 | 42 | 1.3 | Minor Adverse | 70 |
| 386 | 9889 | 11200 | 1311 | 47.6 | 48.9 | 1.3 | Minor Adverse | 113 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 387 | 4004 | 2964 | -1040 | 41.3 | 40.1 | -1.2 | Minor Beneficial | 157 |
| 388 | 43371 | 44726 | 1355 | 61.7 | 62 | 0.3 | Negligible | 10 |
| 389 | 46756 | 47908 | 1152 | 62.4 | 62.7 | 0.2 | Negligible | 11 |
| 390 | 42742 | 43974 | 1233 | 61.5 | 61.8 | 0.3 | Negligible | 34 |
| 391 | 42710 | 43935 | 1225 | 61.5 | 61.8 | 0.3 | Negligible | 43 |
| 392 | 34242 | 35444 | 1202 | 59.4 | 59.7 | 0.3 | Negligible | 54 |
| 393 | 10106 | 11155 | 1049 | 47.8 | 48.9 | 1.1 | Minor Adverse | 20 |
| 394 | 10097 | 11143 | 1046 | 47.8 | 48.9 | 1.1 | Minor Adverse | 45 |
| 395 | 10107 | 11156 | 1049 | 47.8 | 48.9 | 1.1 | Minor Adverse | 50 |
| 396 | 10098 | 11144 | 1046 | 47.8 | 48.9 | 1.1 | Minor Adverse | 46 |
| 397 | 14677 | 16183 | 1506 | 52.3 | 54 | 1.7 | Minor Adverse | 11 |
| 398 | 2073 | 3269 | 1195 | 39.1 | 40.4 | 1.4 | Minor Adverse | 30 |
| 399 | 2073 | 3269 | 1195 | 39.1 | 40.4 | 1.4 | Minor Adverse | 43 |
| 400 | 46735 | 47886 | 1152 | 62.4 | 62.7 | 0.2 | Negligible | 10 |
| 401 | 46710 | 47857 | 1147 | 62.4 | 62.6 | 0.2 | Negligible | 10 |
| 402 | 46712 | 47854 | 1142 | 62.4 | 62.6 | 0.2 | Negligible | 10 |
| 403 | 43327 | 44672 | 1345 | 61.7 | 62 | 0.3 | Negligible | 30 |
| 404 | 46672 | 48302 | 1629 | 62.4 | 62.7 | 0.3 | Negligible | 30 |
| 405 | 46684 | 48330 | 1646 | 62.4 | 62.7 | 0.3 | Negligible | 58 |
| 406 | 8369 | 9836 | 1467 | 46 | 47.5 | 1.5 | Minor Adverse | 44 |
| 407 | 10408 | 11433 | 1025 | 48.1 | 49.2 | 1 | Minor Adverse | 125 |
| 408 | 8369 | 9836 | 1467 | 46 | 47.5 | 1.5 | Minor Adverse | 46 |
| 409 | 8367 | 9833 | 1466 | 46 | 47.5 | 1.5 | Minor Adverse | 31 |
| 410 | 8365 | 9830 | 1465 | 46 | 47.5 | 1.5 | Minor Adverse | 40 |
| 411 | 8366 | 9832 | 1466 | 46 | 47.5 | 1.5 | Minor Adverse | 60 |
| 412 | 31329 | 33684 | 2355 | 58.7 | 59.3 | 0.6 | Minor Adverse | 117 |
| 413 | 32418 | 33524 | 1106 | 58.9 | 59.2 | 0.3 | Negligible | 221 |
| 414 | 34774 | 36733 | 1959 | 59.6 | 60.1 | 0.5 | Minor Adverse | 134 |
| 415 | 34774 | 36733 | 1959 | 59.6 | 60.1 | 0.5 | Minor Adverse | 230 |
| 416 | 10406 | 9207 | -1200 | 48.1 | 46.9 | -1.2 | Minor Beneficial | 19 |
| 417 | 32416 | 33518 | 1102 | 58.9 | 59.2 | 0.3 | Negligible | 291 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 418 | 37275 | 38484 | 1209 | 60.2 | 60.5 | 0.3 | Negligible | 236 |
| 419 | 33906 | 36685 | 2779 | 59.3 | 60.1 | 0.7 | Minor Adverse | 49 |
| 420 | 23632 | 25249 | 1616 | 56.4 | 56.9 | 0.5 | Minor Adverse | 71 |
| 421 | 17746 | 20217 | 2471 | 54.6 | 55.4 | 0.8 | Minor Adverse | 33 |
| 422 | 9482 | 11267 | 1785 | 47.2 | 49 | 1.8 | Minor Adverse | 45 |
| 423 | 4161 | 2949 | -1212 | 41.4 | 40.1 | -1.4 | Minor Beneficial | 276 |
| 424 | 3515 | 2487 | -1028 | 40.7 | 39.5 | -1.2 | Minor Beneficial | 80 |
| 425 | 19817 | 23775 | 3957 | 55.2 | 56.5 | 1.2 | Minor Adverse | 101 |
| 426 | 20164 | 24046 | 3882 | 55.3 | 56.5 | 1.2 | Minor Adverse | 50 |
| 427 | 24705 | 23680 | -1025 | 56.7 | 56.4 | -0.3 | Negligible | 317 |
| 428 | 6605 | 7717 | 1111 | 44.1 | 45.3 | 1.2 | Minor Adverse | 59 |
| 429 | 15668 | 14583 | -1085 | 53.9 | 52.2 | -1.7 | Minor Beneficial | 50 |
| 430 | 9482 | 11256 | 1774 | 47.2 | 49 | 1.8 | Minor Adverse | 160 |
| 431 | 10069 | 8915 | -1154 | 47.8 | 46.6 | -1.2 | Minor Beneficial | 19 |
| 432 | 9474 | 8321 | -1153 | 47.2 | 46 | -1.2 | Minor Beneficial | 97 |
| 433 | 3874 | 2678 | -1196 | 41.1 | 39.8 | -1.4 | Minor Beneficial | 34 |
| 434 | 4969 | 8518 | 3549 | 42.4 | 46.2 | 3.8 | Moderate Adverse | 344 |
| 435 | 18428 | 19548 | 1120 | 54.8 | 55.1 | 0.4 | Negligible | 78 |
| 436 | 10381 | 9270 | -1111 | 48.1 | 47 | -1.1 | Minor Beneficial | 30 |
| 437 | 4964 | 8514 | 3550 | 42.3 | 46.2 | 3.8 | Moderate Adverse | 193 |
| 438 | 4969 | 8519 | 3549 | 42.4 | 46.2 | 3.8 | Moderate Adverse | 45 |
| 439 | 10411 | 14606 | 4195 | 48.1 | 52.2 | 4.1 | Significant Adverse | 199 |
| 440 | 9884 | 14625 | 4741 | 47.6 | 52.2 | 4.6 | Significant Adverse | 178 |
| 441 | 8493 | 7296 | -1196 | 46.2 | 44.9 | -1.3 | Minor Beneficial | 325 |
| 442 | 9402 | 8359 | -1043 | 47.1 | 46 | -1.1 | Minor Beneficial | 30 |
| 443 | 16160 | 18569 | 2409 | 54 | 54.8 | 0.8 | Minor Adverse | 42 |
| 444 | 11019 | 12771 | 1751 | 48.7 | 50.5 | 1.7 | Minor Adverse | 186 |
| 445 | 12692 | 14680 | 1988 | 50.4 | 52.3 | 1.9 | Minor Adverse | 64 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 446 | 12736 | 14972 | 2236 | 50.4 | 52.6 | 2.1 | Moderate Adverse | 55 |
| 447 | 18443 | 19567 | 1124 | 54.8 | 55.1 | 0.4 | Negligible | 47 |
| 448 | 10381 | 9271 | -1110 | 48.1 | 47 | -1.1 | Minor Beneficial | 13 |
| 449 | 14376 | 13208 | -1168 | 52 | 50.9 | -1.1 | Minor Beneficial | 172 |
| 450 | 7415 | 8457 | 1042 | 45 | 46.1 | 1.1 | Minor Adverse | 200 |
| 451 | 14362 | 13192 | -1170 | 52 | 50.9 | -1.1 | Minor Beneficial | 46 |
| 452 | 9932 | 8780 | -1152 | 47.6 | 46.5 | -1.2 | Minor Beneficial | 27 |
| 453 | 6820 | 7834 | 1015 | 44.4 | 45.5 | 1.1 | Minor Adverse | 224 |
| 454 | 5060 | 6321 | 1260 | 42.5 | 43.8 | 1.4 | Minor Adverse | 105 |
| 455 | 9993 | 11322 | 1330 | 47.7 | 49 | 1.3 | Minor Adverse | 172 |
| 456 | 4161 | 2947 | -1214 | 41.4 | 40.1 | -1.4 | Minor Beneficial | 74 |
| 457 | 10878 | 14264 | 3387 | 48.6 | 51.9 | 3.3 | Moderate Adverse | 300 |
| 458 | 11510 | 12846 | 1336 | 49.2 | 50.5 | 1.3 | Minor Adverse | 50 |
| 459 | 5859 | 6972 | 1113 | 43.3 | 44.5 | 1.2 | Minor Adverse | 78 |
| 460 | 3731 | 2520 | -1212 | 41 | 39.6 | -1.4 | Minor Beneficial | 21 |
| 461 | 10365 | 9253 | -1112 | 48.1 | 46.9 | -1.1 | Minor Beneficial | 93 |
| 462 | 14376 | 13208 | -1167 | 52 | 50.9 | -1.1 | Minor Beneficial | 18 |
| 463 | 9894 | 11224 | 1330 | 47.6 | 48.9 | 1.3 | Minor Adverse | 170 |
| 464 | 14442 | 13031 | -1411 | 52.1 | 50.7 | -1.3 | Minor Beneficial | 160 |
| 465 | 11124 | 8137 | -2987 | 48.8 | 45.8 | -3.1 | Moderate Beneficial | 64 |
| 466 | 4076 | 5460 | 1384 | 41.4 | 42.9 | 1.5 | Minor Adverse | 32 |
| 467 | 7243 | 9862 | 2619 | 44.8 | 47.6 | 2.7 | Moderate Adverse | 46 |
| 468 | 19707 | 9194 | -10513 | 55.2 | 46.9 | -8.3 | Significant Beneficial | 64 |
| 469 | 23949 | 16051 | -7898 | 56.5 | 54 | -2.5 | Moderate Beneficial | 64 |
| 470 | 15645 | 11068 | -4577 | 53.9 | 48.8 | -5.1 | Significant Beneficial | 56 |
| 471 | 11125 | 8139 | -2986 | 48.8 | 45.8 | -3.1 | Moderate Beneficial | 45 |
| 472 | 12017 | 13672 | 1655 | 49.7 | 51.3 | 1.6 | Minor Adverse | 35 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 473 | 12958 | 9496 | -3462 | 50.6 | 47.2 | -3.5 | Moderate Beneficial | 31 |
| 474 | 10265 | 11340 | 1074 | 48 | 49.1 | 1.1 | Minor Adverse | 60 |
| 475 | 11889 | 13177 | 1287 | 49.6 | 50.9 | 1.3 | Minor Adverse | 66 |
| 476 | 18632 | 21475 | 2842 | 54.8 | 55.8 | 0.9 | Minor Adverse | 69 |
| 477 | 11827 | 10751 | -1076 | 49.5 | 48.5 | -1.1 | Minor Beneficial | 54 |
| 478 | 15318 | 17070 | 1752 | 53.7 | 54.3 | 0.6 | Minor Adverse | 56 |
| 479 | 8548 | 9624 | 1076 | 46.2 | 47.3 | 1.1 | Minor Adverse | 91 |
| 480 | 6168 | 7832 | 1664 | 43.7 | 45.5 | 1.8 | Minor Adverse | 79 |
| 481 | 7242 | 9862 | 2620 | 44.8 | 47.6 | 2.7 | Moderate Adverse | 34 |
| 482 | 6168 | 7832 | 1664 | 43.7 | 45.5 | 1.8 | Minor Adverse | 28 |
| 483 | 16253 | 17359 | 1106 | 54.1 | 54.4 | 0.4 | Negligible | 20 |
| 484 | 26586 | 27710 | 1124 | 57.3 | 57.6 | 0.3 | Negligible | 105 |
| 485 | 15443 | 16478 | 1035 | 53.8 | 54.1 | 0.3 | Negligible | 41 |
| 486 | 12240 | 13258 | 1018 | 50 | 50.9 | 1 | Minor Adverse | 186 |
| 487 | 11519 | 12638 | 1118 | 49.2 | 50.3 | 1.1 | Minor Adverse | 150 |
| 488 | 9839 | 12045 | 2206 | 47.5 | 49.8 | 2.2 | Moderate Adverse | 52 |
| 489 | 8104 | 9156 | 1051 | 45.7 | 46.8 | 1.1 | Minor Adverse | 101 |
| 490 | 8867 | 10076 | 1210 | 46.5 | 47.8 | 1.2 | Minor Adverse | 44 |
| 491 | 8184 | 9238 | 1054 | 45.8 | 46.9 | 1.1 | Minor Adverse | 58 |
| 492 | 19918 | 9247 | -10671 | 55.3 | 46.9 | -8.3 | Significant Beneficial | 10 |
| 493 | 34021 | 36118 | 2098 | 59.4 | 59.9 | 0.5 | Minor Adverse | 36 |
| 494 | 34450 | 36617 | 2167 | 59.5 | 60 | 0.6 | Minor Adverse | 60 |
| 495 | 8173 | 9211 | 1038 | 45.8 | 46.9 | 1.1 | Minor Adverse | 77 |
| 496 | 8173 | 9211 | 1038 | 45.8 | 46.9 | 1.1 | Minor Adverse | 118 |
| 497 | 12939 | 9450 | -3489 | 50.6 | 47.1 | -3.5 | Moderate Beneficial | 69 |
| 498 | 12949 | 9483 | -3466 | 50.6 | 47.2 | -3.5 | Moderate Beneficial | 55 |
| 499 | 7239 | 9857 | 2618 | 44.8 | 47.6 | 2.7 | Moderate Adverse | 141 |
| 500 | 7239 | 9857 | 2618 | 44.8 | 47.6 | 2.7 | Moderate Adverse | 74 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 501 | 16245 | 17348 | 1104 | 54.1 | 54.4 | 0.4 | Negligible | 88 |
| 502 | 16252 | 17358 | 1106 | 54.1 | 54.4 | 0.4 | Negligible | 93 |
| 503 | 16097 | 17188 | 1091 | 54 | 54.4 | 0.4 | Negligible | 80 |
| 504 | 12948 | 9480 | -3468 | 50.6 | 47.2 | -3.5 | Moderate Beneficial | 22 |
| 505 | 12960 | 9497 | -3463 | 50.7 | 47.2 | -3.5 | Moderate Beneficial | 77 |
| 506 | 7239 | 9857 | 2618 | 44.8 | 47.6 | 2.7 | Moderate Adverse | 79 |
| 507 | 11409 | 13522 | 2113 | 49.1 | 51.2 | 2.1 | Moderate Adverse | 31 |
| 508 | 11402 | 13511 | 2109 | 49.1 | 51.2 | 2.1 | Moderate Adverse | 25 |
| 509 | 11399 | 13501 | 2102 | 49.1 | 51.2 | 2.1 | Moderate Adverse | 177 |
| 510 | 9185 | 11113 | 1929 | 46.9 | 48.8 | 1.96 | Minor Adverse | 39 |
| 511 | 15309 | 17047 | 1738 | 53.7 | 54.3 | 0.6 | Minor Adverse | 122 |
| 512 | 15307 | 17049 | 1741 | 53.7 | 54.3 | 0.6 | Minor Adverse | 124 |
| 513 | 11511 | 12625 | 1114 | 49.2 | 50.3 | 1.1 | Minor Adverse | 81 |
| 514 | 11515 | 12631 | 1116 | 49.2 | 50.3 | 1.1 | Minor Adverse | 62 |
| 515 | 12390 | 13402 | 1013 | 50.1 | 51.1 | 1 | Minor Adverse | 14 |
| 516 | 12385 | 13395 | 1009 | 50.1 | 51.1 | 1 | Minor Adverse | 142 |
| 517 | 11107 | 8102 | -3004 | 48.8 | 45.7 | -3.1 | Moderate Beneficial | 127 |
| 518 | 6163 | 7824 | 1660 | 43.7 | 45.4 | 1.8 | Minor Adverse | 46 |
| 519 | 5945 | 7780 | 1835 | 43.4 | 45.4 | 1.98 | Minor Adverse | 117 |
| 520 | 7234 | 9848 | 2613 | 44.8 | 47.6 | 2.7 | Moderate Adverse | 58 |
| 521 | 20156 | 24028 | 3871 | 55.3 | 56.5 | 1.2 | Minor Adverse | 179 |
| 522 | 2679 | 1575 | -1104 | 39.8 | 38.5 | -1.3 | Minor Beneficial | 130 |
| 523 | 2679 | 1575 | -1105 | 39.8 | 38.5 | -1.3 | Minor Beneficial | 119 |
| 524 | 2754 | 1641 | -1113 | 39.8 | 38.6 | -1.3 | Minor Beneficial | 200 |
| 525 | 26687 | 27806 | 1119 | 57.3 | 57.7 | 0.3 | Negligible | 133 |
| 526 | 34449 | 36616 | 2167 | 59.5 | 60 | 0.6 | Minor Adverse | 3 |
| 527 | 11408 | 13523 | 2116 | 49.1 | 51.2 | 2.1 | Moderate Adverse | 106 |
| 528 | 11408 | 13524 | 2116 | 49.1 | 51.2 | 2.1 | Moderate Adverse | 17 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 529 | 12520 | 13617 | 1097 | 50.2 | 51.3 | 1.1 | Minor Adverse | 45 |
| 530 | 18351 | 7722 | -10629 | 54.8 | 45.3 | -9.4 | Significant Beneficial | 10 |
| 531 | 16797 | 6108 | -10688 | 54.2 | 43.6 | -10.6 | Significant Beneficial | 10 |
| 532 | 16797 | 6108 | -10688 | 54.2 | 43.6 | -10.6 | Significant Beneficial | 10 |
| 533 | 2249 | 24 | -2225 | 39.3 | 36.6 | -2.6 | Moderate Beneficial | 15 |
| 534 | 17643 | 9090 | -8553 | 54.5 | 46.8 | -7.7 | Significant Beneficial | 30 |
| 535 | 2249 | 24 | -2225 | 39.3 | 36.6 | -2.6 | Moderate Beneficial | 15 |
| 536 | 28171 | 29706 | 1535 | 57.8 | 58.2 | 0.4 | Minor Adverse | 28 |
| 537 | 57645 | 56223 | -1422 | 64.5 | 64.3 | -0.2 | Negligible | 438 |
| 538 | 32930 | 31051 | -1879 | 59.1 | 58.6 | -0.5 | Minor Beneficial | 110 |
| 539 | 20578 | 18559 | -2019 | 55.5 | 54.8 | -0.6 | Minor Beneficial | 71 |
| 540 | 29717 | 28481 | -1236 | 58.2 | 57.9 | -0.4 | Negligible | 34 |
| 541 | 32823 | 31161 | -1662 | 59.1 | 58.6 | -0.5 | Minor Beneficial | 220 |
| 542 | 16610 | 14367 | -2244 | 54.2 | 52 | -2.2 | Moderate Beneficial | 97 |
| 543 | 12405 | 13446 | 1041 | 50.1 | 51.1 | 1 | Minor Adverse | 115 |
| 544 | 42762 | 39953 | -2809 | 61.5 | 60.9 | -0.7 | Minor Beneficial | 344 |
| 545 | 6224 | 7305 | 1081 | 43.7 | 44.9 | 1.2 | Minor Adverse | 24 |
| 546 | 64868 | 61936 | -2932 | 65.6 | 65.2 | -0.4 | Minor Beneficial | 1343 |
| 547 | 23833 | 25077 | 1244 | 56.5 | 56.9 | 0.4 | Negligible | 335 |
| 548 | 26820 | 28039 | 1219 | 57.4 | 57.7 | 0.4 | Negligible | 286 |
| 549 | 19127 | 20438 | 1311 | 55 | 55.4 | 0.4 | Minor Adverse | 167 |
| 550 | 24887 | 26021 | 1134 | 56.8 | 57.1 | 0.3 | Negligible | 78 |
| 551 | 32930 | 31051 | -1879 | 59.1 | 58.6 | -0.5 | Minor Beneficial | 70 |
| 552 | 29194 | 28003 | -1190 | 58.1 | 57.7 | -0.3 | Negligible | 105 |
| 553 | 29717 | 28481 | -1236 | 58.2 | 57.9 | -0.4 | Negligible | 101 |
| 554 | 27820 | 26636 | -1184 | 57.7 | 57.3 | -0.3 | Negligible | 273 |
| 555 | 21651 | 22956 | 1306 | 55.8 | 56.2 | 0.4 | Minor Adverse | 230 |
| 556 | 30228 | 32145 | 1917 | 58.3 | 58.9 | 0.5 | Minor Adverse | 92 |
| 557 | 18256 | 19899 | 1643 | 54.7 | 55.3 | 0.5 | Minor Adverse | 230 |

| Link Reference | Traffic Flow (veh/day) | | | Predicted NO ₂ Concentration (µg/m ³) | | | Significance of Impact | Road length (m) |
|----------------|------------------------|-------|--------|--|------|--------|------------------------|-----------------|
| | DM | DS | Change | DM | DS | Change | | |
| 558 | 17503 | 19117 | 1614 | 54.5 | 55 | 0.5 | Minor Adverse | 564 |
| 559 | 18126 | 19723 | 1597 | 54.7 | 55.2 | 0.5 | Minor Adverse | 396 |
| 560 | 23436 | 24786 | 1350 | 56.4 | 56.8 | 0.4 | Minor Adverse | 186 |
| 561 | 18811 | 20135 | 1325 | 54.9 | 55.3 | 0.4 | Minor Adverse | 87 |
| 562 | 14054 | 12341 | -1713 | 51.7 | 50 | -1.6 | Minor Beneficial | 51 |
| 563 | 30117 | 27988 | -2129 | 58.3 | 57.7 | -0.6 | Minor Beneficial | 80 |
| 564 | 21519 | 22827 | 1308 | 55.8 | 56.2 | 0.4 | Minor Adverse | 110 |

Appendix H: Environmental Data Sources

| Category | Dataset | Source |
|---|--|--|
| Sensitive Site | National Nature Reserve | English Nature |
| | Scheduled Ancient Monument | English Heritage |
| | Special Area of Conservation | English Nature |
| | Special Protection Area | English Nature |
| | Site of Special Scientific Interest | English Nature |
| | World Heritage site | English Heritage |
| Designated Landscape | Metropolitan Open Land | Greater London Authority |
| | Green Belt | Not available |
| Site of Importance for Nature Conservation | Metropolitan | Greater London Authority |
| | Borough grade 1 | Greater London Authority |
| | Borough grade 2 | Greater London Authority |
| | Local significance | Greater London Authority |
| TfL habitat site | TfL habitat sites | Transport for London Ecological Survey 2005 |
| Protected Species | All Protected Species | Greenspace Information for Greater London (GIGL) |
| Heritage Conservation Area | Archaeological priority area | Local Authority Data. |
| | Conservation area | Local Authority Data. |
| | Locally Listed Building | Local Authority Data. |
| | Nationally listed building | English Heritage |
| | Millennium Greens | Defra |
| | London Square | English Heritage |
| | Registered Battlefields | English heritage |
| | Registered park or garden | English heritage |
| Flood Risk | Flood Zone 2 | Environment Agency |
| | Flood zone 3 | Environment Agency |
| | Flood risk area | Environment Agency |
| | Flood defences | Environment Agency |
| | Flood events (TLRN only) | Transport for London Asset Information Management System |
| | Increase hard surfaced area | N/A |
| Noise Data | Important Areas for Noise | Defra |
| Air Quality | Areas of air quality standard exceedance | TfL |