SEA Environmental Report: PART 1

To: <u>sea_gateway@gov.scot</u>

Or

SEA Gateway Scottish Government Area 2 H (South) Victoria Quay Edinburgh EH6 6QQ

SEA Environmental Report: PART 2	
A SEA	
Environmental	East Dunbartonshire Council's Local Transport Strategy 2020 –
Report is attached	2025
for:	
The Responsible	East Dunbartonshire Council
Authority is:	

SEA Environmental Report: PART 3	
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Date	23 rd July 2019

STRATEGIC ENVIRONMENTAL ASSESSMENT Environmental Report

Local Transport Strategy 2020 – 2025



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Strategic Environmental Assessment and the Local Transport Strategy

As part of the preparation of the Local Transport Strategy (LTS), East Dunbartonshire Council carried out a Strategic Environmental Assessment (SEA). The process of SEA is a systematic method for considering the likely environmental effects of this Strategy. It aims to:

- Integrate environmental factors into the Strategy preparation and decision-making
- Improve the Strategy and enhance environmental protection
- Increase public participation in decision making
- Facilitate the openness and transparency of decision-making

Key SEA Stages

The key SEA stages carried out in the preparation of the LTS were:

Screening & Determination: This is the process whereby the Screening Report is produced to set out the characteristics of the Strategy and its likely environmental effects, if implemented. The Council requests the views of the Consultation Authorities: Scottish Natural Heritage (SNH), Historic Environment Scotland (HES) and the Scottish Environmental Protection Agency (SEPA) on the likely significant of any environmental effects identified through the formal submission of the Screening Report. After taking into account the views of each of the Consultation Authorities, the Council must determine whether a SEA is required or not and advertise their decision-making.

Scoping: This is the process by which details for the Environmental Report were determined. Through the Scoping Report the level of detail and the consultation period was determined for the Environmental Report and followed by a consultation with the appropriate Consultation Authorities.

Environmental Assessment: The Environmental Report documents the environmental assessment of the LTS. The assessments of the relevant components were carried out in parallel to the development of the Strategy. This helped the policy-maker to refine the Strategy in order to avoid or mitigate the negative environmental impacts and to further enhance the positive environmental impacts.

Post-Adoption Statement: The Post-Adoption Statement will demonstrate how the findings of the SEA have been taken into account in the adopted LTS. In accordance with the Environmental Assessment (Scotland) Act 2005, the Post-Adoption Statement will highlight:

- How the environmental considerations have been incorporated into the LTS;
- How the findings of the Environmental Report have been taken into account;
- How opinions expressed, from both the Community and Consultation Authorities during the consultation of the Environmental Report have been taken into account;
- The reasons for choosing the LTS as adopted in light of other reasonable alternatives; and,
- The measures to be taken to monitor the significant effects of the implementation of the Strategy.

The purpose of SEA is to inform the development process of the LTS. The assessment identified, described and evaluated the likely significant negative and positive environmental effects of the LTS, including any alternatives. This was beneficial in order to reduce, avoid or mitigate any potential environmental impact and further enhance any potential positive impacts. This Environmental Report presents the results of the SEA for the LTS. It also establishes a monitoring framework and measures to mitigate any adverse impacts that may occur as a result of the strategic document.

Key Facts Relating to the Local Transport Strategy

Pocnoncible	East Dunbartonshira Council
Responsible Authority	East Dunbartonshire Council
Title of PPS	Local Transport Stratomy
Purpose of PPS	Local Transport Strategy The purpose of the Strategy is to provide a document that is consistent with national, regional and local aspirations and addresses multiple policy objectives, agreed and evaluated by stakeholders and the public.
	 The Strategy will: Be consistent with existing and emerging EDC policies such as the Active Travel Strategy, Green Network Strategy, Economic Development Strategy, Local Biodiversity Action Plan, Open Space Strategy and Air Quality Strategy, Support deliver the delivery of East Dunbartonshire's Local Development Plan, and; Present a range of policies and actions that set out the Council's general approach to sustainable transport issues, improving general transport conditions and providing residents with enhances transport options that are not reliant on private vehicle use.
What prompted the PPS	Local authorities are expected to maintain an up to date Local Transport Strategy in order to ensure that the evidence base and framework for transport projects is up to date and reflects current trends and national and regional issues. The Council recently published Route Corridor Studies (multi modal transport appraisal) on the A81 and A803, which serve as evidence base for planning transport interventions. These studies will require to be reflected in the next iteration of the study in order to ensure consistency with recent evidence and this is a requirement of public sector transport funders such as Transport Scotland and SPT.
Subject	Transport
Period covered	2020 – 2025
Frequency of updates	The Strategy will be updated every four years, with biennial monitoring reports.
Area covered by PPS	The geographical area of East Dunbartonshire Council plus Mugdock Country Park (geographically contained within Stirling Council but managed by EDC), and potential linkages, where appropriate, to surrounding Council areas, namely Glasgow, West Dunbartonshire, Stirling and North Lanarkshire.
Summary of nature/ Content of the PPS	 In summary the East Dunbartonshire LTS will: set out the strategy for the Council's roads and transportation plans provide a transport objectives link between the Council's Local Outcomes Improvement Plan Community Planning, Local Development Plan and other policies focus the Council's transport budget towards making sure that transport investment contributes positively to regeneration and sustainable development maintain and improve, where possible, the quality and safety of roads and transportation

	 aim to improve health by encouraging walking and cycling improve public transport services and accessibility to services, where possible
	 It is proposed that the new LTS will be structured around the following chapters: Review of Local Transport Strategy 2009 – 2013 and Monitoring Report; Evidence review including The Demographic profile of East Dunbartonshire; Transport Statistics review Route Corridor Studies review Policy Context; Report of Engagement to date; Issues and Constraints; Ambition and Transport Planning Objectives (TPOs) Transport Options Report (and consultation report) – links to TPOs Action Plan for each of four EDC communities
Proposed/draft	 Monitoring and Evaluation. The Local Transport Strategy will update the Local Transport Strategy 2009
outcomes	- 2013 and respond to updated local demands for enhanced transport
	networks.

Context of the Local Transport Strategy

The East Dunbartonshire Local Transport Strategy 2020-2025 is a detailed vision for enhancing transport and travel in East Dunbartonshire. This strategy replaces the Local Transport Strategy 2013-17 which contributed to delivering a more sustainable and accessible transport network for the area. Enhancing the transport network is a key driver for: improving the local economy, improving the environment, increasing social inclusion and delivering health benefits for all residents and visitors of East Dunbartonshire. The Local Transport Strategy sets out the Council's policy on transport, presents Transport Planning Objectives and coordinates future priorities through a series of actions and interventions to enhance transport and travel in East Dunbartonshire.

It will be shaped by Local Planning Objectives and Transport Options. These strategic elements will help shape other plans, policies, programmes, strategies, masterplans and commitments by the Council.

Environmental Baseline Data for East Dunbartonshire

The environmental baseline information for East Dunbartonshire has been identified in relation to each of the environmental factors scoped into the assessment for the LTS (*Population and Human Health; Biodiversity, Flora and Fauna; Cultural Heritage; Landscape; Soil and Geology; Water Quality; Climatic Factors and Material Assets*). The information has been collated using a range of statistics and resources, including information from Scotland's Environment Web, SNH, SEPA, Historic Environment Scotland, SNIFFER, Forestry Commission Scotland, Scottish Government, National Records and Air Quality Scotland, as well as local information obtained from the different relevant Services within the Council. The baseline data has been updated if and when available data has become available in order to ensure that the data is as relevant as possible.

Section 2.2 of the main report contains a full outline of the environmental baseline data for each of the environmental factors considered in SEA, including spatial representations of the main environmental constraints in East Dunbartonshire using Geographical Information Systems (GIS).

Existing Environmental Problems

Reviewing the environmental baseline data for East Dunbartonshire helped to identify any existing environmental problems that would need to be taken into account during the preparing and implementation of the LTS.

The main challenges identified include:

- Hillhead, Lennoxtown, Twechar and Auchinairn have been identified as areas of socio-economic deprivation according to the Scottish Index of Multiple Deprivation (SIMD).
- The need to enhance and promote active travel networks, particularly by integrating them within wider networks to provide further health benefits to the community, particularly deprived or vulnerable individuals.
- Conflicts between access to the environment and local biodiversity, habitats and cultural assets. However improved transport networks could encourage appropriate access giving residents and visitors greater opportunities to experience their local communities.
- Both Bishopbriggs and Bearsden Cross are designated as Air Quality Management Areas (AQMA). The options explored in the LTS will contribute to local air quality management to ensure that poor air quality is reduced.
- Changes and enhances to the local transport network can play a role in mitigating or adapting to the effects of climate change, particularly at the local level.
- In general, other issues include parking constraints, particularly at rail stations, poor bus service provision in some areas and traffic congestion.

Assessment of Environmental Effects

The main function of the Environmental Report as part of the full SEA process is to suggest ways to improve the environmental performance of the plans and strategies through assessment of the significant environmental effects identified. An assessment of the Strategy's Strategic Direction, Transport Planning Objectives and Transport Options were carried out which highlighted an overall positive effect on the environment with the potential for significant impacts and particular focus of effects for multiple factors, Population and Human Health, Air Quality, Climatic Factors and Material Assets. The positive nature of the effects have been enhanced, where it was deemed appropriate, through the integration of proposed mitigation measures. A summary of the findings are detailed below:

Population & Human Health and Material Assets	 Opportunities to enhance the existing network for active travel as well as better public transport facilities, giving communities better access within East Dunbartonshire and across the region. This supports accessibility for leisure and employment opportunities Better options for travel within and to other communities from East Dunbartonshire's Place Areas to support each Place Plan A modal shift towards a more sustainable and connected
	transport network
Cultural Heritage and	Localised impacts on cultural and biodiversity designations
Biodiversity, Flora & Fauna	

Air Quality & Climatic Factors	 A modal shift away from vehicular based travel through the promotion of active travel alternatives which in turn will contribute to a reduction in air pollution and carbon emission levels
	 A positive influence on traffic flow, particularly in relation to actions relating to Urban Traffic Control Systems, public realm improvements and road narrowing.

Section 3 and Appendix D provide full details of the assessments.

Mitigation and Monitoring

Mitigation measures have been proposed through the environmental assessments and incorporated into the Strategy where necessary in order to avoid, reduce, mitigate or offset any potential adverse environmental impacts and enhance any uncertain, neutral, positive environmental impacts identified. The mitigation measures incorporate all environmental factors which were scoped into the assessment and will be the responsibility of East Dunbartonshire Council to implement in conjunction with key agencies and stakeholders.

The mitigation measures will form part of the Post-Adoption Statement for the LTS, prepared as soon as reasonably practicable after the adoption of the Strategy, in accordance with Section 18 of the Environmental Assessment (Scotland) Act 2005. The environmental baseline data (Section 2.2) and the monitoring indications as part of the proposed monitoring framework (Section 4.2) will form the basis of future monitoring of the potential effects, predicted and unforeseen, of the LTS on the local environment.

Next Steps: Statutory Consultation

The next step for both the Environmental Report and the LTS is a 6 week consultation with the public and key agencies. All of the comments received will be taken into account and amendments may be made accordingly to both documents. Any significant changes to the Strategy in relation to consultation responses may require further consideration in terms of environmental implications.

The statutory consultation for this Strategic Environmental Assessment document and corresponding LTS is:

September – October 2019

If you would like to express your views on the Environmental Report, your comments should be submitted through email or post to the following:

Email:	sustainability@eastdunbarton.gov.uk
Post:	Sustainability Policy
	Place, Neighbourhood and Corporate Assets
	East Dunbartonshire Council
	Broomhill Industrial Estate
	Kilsyth Road
	Kirkintilloch
	G66 1TP

Summary of Environmental Report

Following the Screening Determination & Scoping for the Local Transport Strategy (LTS), East Dunbartonshire Council is carrying out a full environmental assessment for the LTS.

Section 1: Key Facts	This section provides some key facts about the LTS and a brief summary regarding the content.
Section 2: Strategic Action Context	This section provides an overview of the LTS and the main issues it is likely to address. In addition, this section provides the environmental baseline data collected and used as part of the assessment of the Strategy.
Section 3: Assessment of Environmental Effects	This section outlines how the SEA process incorporates the identification of reasonable alternatives; assessment methodology, assessment process and findings regarding each Strategy element and the influence of the SEA on the LTS.
Section 4: Mitigation and Monitoring	This section sets out the concluding stages proposed for the Environmental Report.
Section 5: Statutory Consultation and SEA Timetable	This section outlines the consultation dates and procedures and the timeline for the LTS and corresponding SEA documentation.
Appendix A: Influence of key legislation & PPS	This appendix lists key legislation, plans, programmes, policies and strategies that influence or are influenced by the LTS.
Appendix B: Consultation Responses to the Scoping Report	The appendix highlights the main issues raised by the Consultation authorities during the consultation of the Scoping Report and how they have been addressed within the Environmental Report.
Appendix C: SEA Assessment Criteria and Questions	This appendix outlines the chosen assessment methodology for both the policy framework and site proposals.
Appendix D: Assessment of Transport Options	This appendix contains the full assessments of the Transport Options and alternatives.

Responsible	East Dunbartonshire Council
Authority	
Title of PPS	Local Transport Strategy
Purpose of PPS	 The purpose of the Strategy is to provide a document that is consistent with national, regional and local aspirations and addresses multiple policy objectives, agreed and evaluated by stakeholders and the public. The Strategy will: Be consistent with existing and emerging EDC policies such as the
	 Active Travel Strategy, Green Network Strategy, Economic Development Strategy, Local Biodiversity Action Plan, Open Space Strategy and Air Quality Strategy, Support deliver the delivery of East Dunbartonshire's Local Development Plan, and;
	 Present a range of policies and actions that set out the Council's general approach to sustainable transport issues, improving general transport conditions and providing residents with enhances transport options that are not reliant on private vehicle use.
What prompted	Local authorities are expected to maintain an up to date Local Transport
the PPS	Strategy in order to ensure that the evidence base and framework for transport projects is up to date and reflects current trends and national and regional issues.
	The Council recently published Route Corridor Studies (multi modal transport appraisal) on the A81 and A803, which serve as evidence base for planning transport interventions. These studies will require to be reflected in the next iteration of the study in order to ensure consistency with recent evidence and this is a requirement of public sector transport funders such as Transport Scotland and SPT.
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Summary of	In summary the East Dunbartonshire LTS will:
nature/	 set out the strategy for the Council's roads and transportation plans
Content of the PPS	 provide a transport objectives link between the Council's Local Outcome Improvement Plan Community Planning, Local Development Plan and other policies
	 focus the Council's transport budget towards making sure that transport investment contributes positively to regeneration and sustainable development

1.1. Key Facts relating to the Local Transport Strategy

	 maintain and improve, where possible, the quality and safety of roads and transportation aim to improve health by encouraging walking and cycling improve public transport services and accessibility to services, where possible
	 It is proposed that the new LTS will be structured around the following chapters: Review of Local Transport Strategy 2009 – 2013 and Monitoring Report; Evidence review including The Demographic profile of East Dunbartonshire; Transport Statistics review Route Corridor Studies review Policy Context; Report of Engagement to date; Issues and Constraints; Ambition and Transport Planning Objectives (TPOs) Transport Options Report (and consultation report) – links to TPOs Action Plan for each of four EDC communities Monitoring and Evaluation.
Proposed/draft outcomes	The Local Transport Strategy will update the Local Transport Strategy 2009 – 2013 and respond to updated local demands for enhanced transport networks.

Section 2: Strategic Action Context

2.1. Relationship with other Plans, Programmes and Strategies

2.1.1. There are a number of other strategies and plans internationally, nationally, regionally and locally that the Local Transport Strategy (LTS) needs to be integrated with. The following list indicate the primary related legislation and **Figure 1** shows a diagrammatic representation, although it does not include every one of the plans listed. The template below is useful for demonstrating such relationships.

International

- Kyoto Protocol (1997)
- Gothenburg Protocol (1999)
- Johannesburg Declaration (2002)

European

- EU Climate and Energy Framework (2008 and updates)
- European Biodiversity Strategy
- EU Birds Directive
- EU Habitats Directive
- EU Water Framework Directive
- EU 2020 Biodiversity Strategy
- EU Floods Directive

National

- National Transport Strategy (Refreshed 2015)
- UK Post-2010 Biodiversity Framework
- Nature Conservation (Scotland) Act 2004
- Scottish Forestry Strategy (2006)
- Scottish Planning Policy 2014
- National Planning Framework 3
- Let's Get Scotland Walking A National Walking Strategy
- Active Travel, Active Scotland: Our Journey to a Sustainable Future 2012
- A Long Terms Vision for Active Travel in Scotland 2030 (2014)
- Cycling Action Plan for Scotland 2017 2020
- Cleaner Air for Scotland 2015
- Low Carbon Scotland Meeting the Emissions Reduction targets 2013-2027
- 'Climate Ready Scotland' Scotland's Climate Change Adaptation Programme
- Scottish Climate Change Declaration 2007
- Climate Change (Scotland) Act 2009
- Scotland's Zero Waste Plan 2010
- Scotland's Economic Strategy 2015
- National Walking Strategy 2014
- Historical Environmental Scotland Policy Statement 2016

Regional

- Strathclyde Partnership for Transport A Catalyst for Change: Regional Transport Strategy (RTS) 2008 – 2021
- SDP Clydeplan
- Glasgow and Clyde Valley Strategic Development Plan

• Antonine Wall Management Plan 2014 – 2019

Local

- East Dunbartonshire Local Outcome Improvement Plan
- Local Plan 2 and emerging Local Development Plan
- Sustainability and Climate Change Framework 2016 2021
- Green Network Strategy 2017 2022
- Culture, Leisure and Sport Strategy 2016 2021
- Core Path Plan 2011 2016
- Local Transport Strategy 2013-17
- Local Biodiversity Action Plan 2017 2021
- Open Space Strategy 2015 2020
- Active Travel Strategy 2015 2020
- Carbon Management Plan 2015 2020
- Bearsden Air Quality Management Plan (draft) 2018
- Bishopbriggs Air Quality Management Plan 2012
- Economic Development Strategy 2017 2020
- 2.1.2 Cross-boundary effects with neighbouring authorities will be considered through the integration of the LTS as well as a consideration of Plans and Strategies produced by the neighbouring authorities. This will be particularly important in relation to Mugdock Country Park, which lies within the Stirling Council area. It may also be necessary to work with other neighbouring local authorities in the development of actions that result in strategic, regional and local impacts with potential cross-boundary effects. However, it is not expected that the LTS will require consideration of transboundary effects with neighbouring EU Member States.
- 2.1.3 **Appendix A** lists key legislation, plans, programmes, policies and strategies that influence or are influenced by the LTS. This list includes documents that refer to international, European Community, and national environmental objectives; regional and local objectives. Their content, where appropriate, has been used to inform the environmental objectives for the SEA of the Strategy.

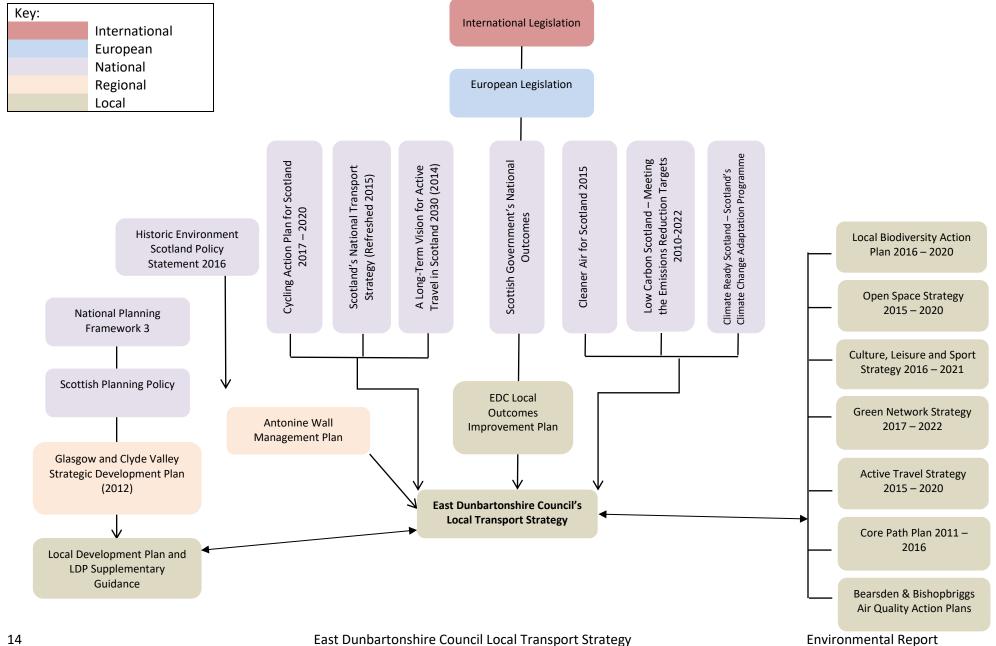


Figure 1: Interrelationship of the Local Transport Strategy with Other Plans, Programmes and Strategies

2.1.4 The Environmental Protection Objectives that are contained within international, European, UK and Scottish legislation, as well as national guidance which are considered to be of the greatest relevance to the LTS will be taken into account when preparing the Plans. These are set out in **Appendix A**.

2.2. Baseline Environmental Data

- 2.2.1. The early stages of SEA, such as describing the baseline, identifying environmental problems/issues and analysing the links and relationships between other strategic actions, should be carried out concurrently and they should inform each other throughout the process. This approach has been adopted as part of the LTS SEA.
- 2.2.2. In order to measure the significant environmental effects of these strategic actions the current state of the environment must be known. East Dunbartonshire Council will gather sufficient information to provide the current state of the environment, or an Environmental Baseline, utilising GIS mapping where possible, to show the geographical location and scale of key environmental designations and assets. The potential effects (including, cumulative, secondary and synergistic effects) of the information contained within the LTS and their alternatives have been measured against this baseline.
- 2.3.1 For the purposes of this Report, a broad summary of baseline environmental information has been collated. **Table 1** below summarises the main baseline environmental features.
- 2.3.2 **Table 1** contains a broad summary of the baseline environmental information which has been collated and also includes the SEA objectives used for the assessment. These have been developed taking into account the summary baseline data. The SEA Objectives were used to assess the Strategy and they provide the basis for the development of the assessment questions and monitoring indicators.

Environmental Factor	Summary of baseline Environmental Data	Source of Data Collected	Proposed SEA Objectives
Population & Human Health	East Dunbartonshire has a total population of 108,130 (2017); an increase of 0.5% from 107,540 in 2016. Population Projections forecast that the population of East Dunbartonshire will increase to 112,640 by 2026 (+4.7% increase between 2016 and 2026). East Dunbartonshire has an ageing population. This is highlighted through the population projections that by 2026 East Dunbartonshire's 75+ population will increase by +30.5% based on 2016 levels. Areas of Hillhead, Lennoxtown and Auchinairn are in the most deprived 20% in Scotland (SIMD 2016). Twechar is also considered to be an area of socioeconomic disadvantaged. Each of these localities have a Locality Plan as outlined in the Local Outcome Improvement Plan (LOIP). Generally the health of the residents of East Dunbartonshire is good with nearly 73% of the residents being generally healthy, in comparison to the average of Scotland (68%) according to the 2001 census. The level of residents found to be in general health status of 'not good' within East Dunbartonshire and Scotland was 8% and 10% respectively.	Population, health and employment statistics - National Records for Scotland – last updated March 2018 - 2011 Scottish Census - Nomis 2015 Local Authority Labour Market Profile SIMD 2016 Open Space Audit and Strategy East Dunbartonshire Green Network Strategy East Dunbartonshire Local Outcome Improvement Plan	To improve human health and community wellbeing

	 (13.2%). Walking to work rates in East Dunbartonshire represent the 2nd lowest rates in Scotland against all other Council areas. There are similarly low levels of cycling to the Scottish national average (2.3%). The percentage of economically active people living in East Dunbartonshire has decreased between 2014 and 2015 by -0.6%; however, this percentage is still higher than both the Scottish and British national averages at 78.2%. Of this total in East Dunbartonshire, 82.1% of economically active people are male and 74.5% female. There are 6 Strategic Green Network Assets in the area: including Mugdock Country Park and Milngavie Reservoirs and 6 Green Network Strategic Access Links, including the long distance paths of the West Highland Way and John Muir Way. 		
Cultural Heritage	 East Dunbartonshire has: - 1 UNESCO World Heritage Site (part) - Frontiers of the Roman Empire (Antonine Wall). A buffer zone has been identified around the Wall to help protect its setting, in Supplementary Planning Guidance. 48 Scheduled Monuments. In particular the Forth & Clyde Canal and Antonine Wall are made up of a series of Scheduled Monuments. 177 Listed Building, including 15 Category A (of national importance) including: Luggie Water Aqueduct and Bridge; Mugdock & Craigmaddie Reservoirs; three churches, two castles, three town houses , four country houses and a 	Historic Environment Scotland Sites and Monuments Record (SMR) East Dunbartonshire Council United Nations Educational, Scientific and Cultural Organisation – World Heritage Site Designation Scottish Natural Heritage Scottish Canals Heritage Strategy 2013-38 Buildings at Risk Register for Scotland.	To protect, conserve and, where appropriate, enhance the historic environment

	 cemetery. There are 84 category B designations and 78 category C designations. 15 Conservation Areas (4 of which are designated as outstanding) 21 Townscape Protection Areas Mugdock and Craigmaddie Reservoirs national inventory Garden and Designed Landscape, and two other sites recommended as having the potential for meeting national inventory standards. 30 such sites have also been identified as having local value. There are nine buildings identified in the Buildings at Risk Register, one of which has restoration in progress. It is important to recognise and consider nondesignated heritage assets as part of the assessment process 		
Biodiversity, Flora & Fauna	 East Dunbartonshire has: 6 Sites of Special Scientific Interest (SSSI) 5 Local Landscape Areas 76 Local Nature Conservation Sites (LNCS) with biodiversity value and an additional 16 proposed 34 LNCS with geodiversity value 356 Tree Preservation Orders 3 Local Nature Reserves (LNR) which include Merkland LNR, Lenzie Moss LNR and Kilmardinny Loch. An identified green network in particular 8 Green Network Habitat Links, including the River Kelvin and its tributaries. 	Priority Species and Habitats. Regionally and locally designated sites. East Dunbartonshire Green Network Strategy Record areas and levels of planting Results of the review of LNCS and Important Wildlife Corridor designations detailed in EDC's	To protect, enhance, create and, where necessary, restore biodiversity and encourage habitat connectivity

	 There are a number of Protected Species identified in East Dunbartonshire (including those with former Species Action Plans, priority species and lesser priority species). These are detailed in East Dunbartonshire's Local Biodiversity Action Plan. Several Invasive Non-Native Species (INNS) have been identified in East Dunbartonshire. Woodland in East Dunbartonshire: Native woodland in East Dunbartonshire comprises 22.1% of the total woodland area (4.8% of the total land area). 95ha of woodland is present on ancient woodlands, which makes up 34% of native woodland The main native woodland types in East Dunbartonshire are lowland mixed deciduous woodland (34%), wet woodland (25%) and upland birchwoods (21%). 	Natural Environment Planning Guidance EDC Local Biodiversity Action Plan Scottish Natural Heritage Native Woodland Survey of Scotland report for East Dunbartonshire, October 2010 Scottish Ancient Woodland Inventory	
Soil & Geology	Despite three quarters of the land in East Dunbartonshire being utilised for agricultural processes, the district has a small percentage (5%) of prime agricultural soil. Currently East Dunbartonshire has not designated any areas of land as contaminated land as defined in the Environmental Protection Act 1990. However, a list of potential contaminated sites has been created based on previous land use. On this list 618 potentially contaminated sites (to varying degrees of contamination) have been identified.	EDC Local Development Plan Scottish Vacant and Derelict Land Survey 2017 James Hutton Institute Scottish Natural Heritage British Geological Survey UKRIGS (Regionally Important Geological or Geomorphological Site) SNH Carbon and Peatland Map 2016	To maintain or improve soil quality, prevent any further degradation of soils and conserve recognised geodiversity assets.

	 There are currently 25 Vacant and Derelict Land within East Dunbartonshire with a total area of 76 hectares. East Dunbartonshire also has 1 RIGS (Regionally Important Geological or Geomorphological Site) at Clachan of Campsie. It has 36 sites representing geological diversity, and 34 are recommended as Local Geodiversity Sites (LGS). There are varying levels of identified peatland in East Dunbartonshire including: Class 1, 3, 4 and 5 across the Campsie Fells Class 3 predominantly in the Kilpatrick Hills Areas of Class 1 and 5 including High Moss Class 3, 4 and 5 around Lennox Forrest Areas of Class 4 in Kirkintilloch, Torrance and Twechar 		
Landscape	East Dunbartonshire's landscape is diverse in terms of character and land uses. The district is characterised by five main types of landscape character: Drumlin Foothills; Rolling Farmland; Broad Valley Lowland; Rugged Moorland Hills; and urban areas. The topography of East Dunbartonshire is generally low lying, undulating land with the exception of the two Local Landscape Areas; the Campsie Fells and the Kilpatrick Hills to the North and West of the district respectively. There are five Local Landscape Areas (LLA) within East Dunbartonshire Council's boundary, including the Campsie Fells, Kilpatrick Hills, Bar Hill (which are also Green Network Strategic Assets); Bardowie, Balmore and Torrance and Glazert Valley.	British Geological Survey UKRIGS (Regionally Important Geological or Geomorphological Site) Glasgow & Clyde Valley Landscape Character Assessment, 1999 EDC Local Development Plan	To protect and, where appropriate, restore landscape character, local distinctiveness and promote access to the wider environment

	East Dunbartonshire has a total of 973.46 hectares of urban open space; the greatest proportion of which is classified as semi-natural greenspace and Regional Greenspace. The green belt is a Development Plan policy which covers the East Dunbartonshire area, with the exception of the upland areas; its objectives include maintaining the character and distinctiveness of the		
Water Quality	 The main watercourses within East Dunbartonshire are the River Kelvin, Glazert Water, Allander Water, Luggie Water, Forth and Clyde Canal and Bothlin Burn. East Dunbartonshire also has two reservoirs in Milngavie and a number of other small dams in various locations throughout East Dunbartonshire, which are of significant value to the surrounding area. Watercourse ecological status related to East Dunbartonshire: River Carron – good classification (improved from previous year) 	River Basin Management Plans Local water quality data Drinking water quality SEPA – RBMP Data EDC Local Biodiversity Action Plan	To prevent deterioration and, where possible, enhance the water environment
	 River Kelvin (Glazert Water to Tidal Limit – poor classification (degraded from previous year) River Kelvin (Kelvinhead to Glazert) – bad classification (degraded from previous year) Allander Water – moderate classification (degraded from previous year) Craigmaddie Burn – good classification (no change from previous year) Luggie Water (Kelvin to Mollins Burn) – moderate classification (no change from previous year) 		

 Bothlin Burn (Garnkirk Burn to Luggie confluence) – moderate classification (no change from previous year) Glazert Water/Finglen Burn – poor classification (degraded from previous year) Kirk Burn – moderate classification (no change from previous year) Garrel Burn – poor classification (degraded from previous year) Forth and Clyde Canal (Mountblow to Maryhill and Glasgow Branch to Kirkintilloch) – good classification (degraded from previous year) Stand Burn/Park Burn – poor classification (degraded from previous year) Luggie Water (u/s Mollins Burn) – good classification (improved from previous year) Forth and Clyde Canal (Kirkintilloch to Kelvinhead) – good classification (degraded from previous year) 	
The groundwater sources applicable to East Dunbartonshire: Clydebank: good Kilpatrick: good Lennoxtown: poor Denny: poor Carron and Touch: good	
 Campsie: good Cirkintilloch: poor Glasgow and Motherwell: poor Kelvin Sand and Gravel: good Clydebank Sand and Gravel: good 	
*Flooding is discussed in Climatic Factors	

Air Quality	A significant concern for air quality in East Dunbartonshire is transport which is the main contributor of air pollutants such as NO_2 (nitrogen dioxide) and PM10 (particulates).	East Dunbartonshire Council National Air Emissions Inventory Scottish Government	To prevent deterioration and, where possible, enhance air quality
	The busiest routes that are of concern in relation to air quality within East Dunbartonshire are the A803 and B812 in Bishopbriggs; the A81 through Milngavie; and the A809 and A739 through Bearsden.	DEFRA Scottish Transport Bus and Coach Statistics No. 32, 2013	
	There are currently two Air Quality Management Areas (AQMA) declared within East Dunbartonshire, Bishopbriggs and Bearsden Cross, both of which were declared an AQMA after several years of exceeding national NO ₂ and PM10 objective levels, although the	Local Transport Strategy 2013 – 2017 Scottish Air Quality statistics www.scottishairquality.scot/	
	levels have been decreasing over the years. Bearsden Cross experienced an annual average of 33 μ g/m ³ of NO ₂ (low) and 13 μ g/m ³ of PM10 (low) in 2017.	DECC Transport and Travel in Scotland	
	Bishopbriggs experienced an annual average of 27 μ g/m ³ of NO ₂ (low) and 16 μ g/m ³ of PM10 (low) in 2017.	East Dunbartonshire Council – Air Quality Monitoring Report 2017/18 – ratified 2017 data	
	Traffic levels across the Council area have shown to be steadily decreasing since 2012 which can be attributable to a number of factors including the promotion of sustainable travel and influencing economic factors.		
Climatic Factors	A significant source of carbon dioxide in East Dunbartonshire is attributable to vehicular transport emissions (144.3ktCO ₂), which contributes towards climate change, although the largest proportion of	Flood Risk Assessments Flood defences	To contribute towards the reduction of Scottish greenhouse gas outputs in line with Government targets.

CO2 emissions is attributable to domestic emissions (208.4 ktCO ₂).	Emissions levels within East Dunbartonshire	To reduce overall flood risk by ensuring new development is not at flood risk and it doesn't add to
 (208.4 ktCO₂). Travel: The level of public transport access varies across the area. Kirkintilloch is served by bus services that provide access to towns and villages in East Dunbartonshire and adjacent local authorities such as Glasgow. However, there are areas that do not have services that are frequent or operate out-with peak travel periods and daytime hours. The number of vehicle miles has been increasing in recent years between 2007 and 2016 with 557,000,000 miles recorded on EDC roads in 2016. Rail patronage has increased by approximately 10% from the period 2016/17 to 2017/18 across all rail stations in East Dunbartonshire. The number of local bus services used by adults, aged 16+, in 2017 have remained fairly similar to 	Dunbartonshire Flooding and storm information and events Renewable energy potential Scottish Government SEPA East Dunbartonshire Council Office of Rail and Road UK Climate Impacts Programme Scottish Transport Statistics	. .
 bus patronage in 2016, although there is approximately 7% more people not using buses each month in 2017 compared to 2016. Only 6% of people use a bus every, or almost every, day. In 2017, 85.4% of households in East Dunbartonshire had access to at least 1 car. Glasgow is a key attraction for both employment and higher education opportunities for the population of East Dunbartonshire which increases the need for travel. CO2 emissions associated with the expenditure of energy from industrial/commercial (including agriculture) and domestic buildings accounts for 96.8 ktCO2 and 208.4 ktCO2 respectively in 2012. Such energy use has a significant impact on air quality. 	Scottish Transport Bus and Coach Statistics No. 32, 2013 SEPA Flood map Scotland's Climate Change Declaration 2017-18 Report (SSN; Keep Scotland Beautiful; EDC) Scottish Government UK local authority and regional carbon dioxide emissions national statistics: 2017-18	

	Flooding has been an issue in the Kelvin Valley for many years with the most recent flood events occurring in 1994 and 2005. The main areas of concern for potential flooding are the River Kelvin and its tributaries – the Allander, Glazert and Luggie Waters. East Dunbartonshire only has one operating landfill (Inchbelle Quarry, Kirkintilloch) but is only used for the disposal of inert materials, mainly construction materials. All household and commercial municipal waste is transferred to landfills in North Lanarkshire. Therefore, there is minimal methane produced from landfill within East Dunbartonshire to impact on climate change.		
Material Assets	East Dunbartonshire is supplied by various levels of transport infrastructure, through well serviced rail networks, bus routes encompassing the whole district and the various road networks that link settlements within East Dunbartonshire together with providing routes out with the district. There are 54km of A class roads, 47 km of B class roads and 34km of C class roads. This amounts to 27% of the road network. There are 369 km of unclassified roads. East Dunbartonshire has a network of Core Paths and public open spaces which provide opportunities for recreation. Some of these also provide active travel routes from residential areas to services and businesses.	Transport and infrastructure data Core Path Network and Rights of Way Walking and cycle routes Public open spaces and accessibility Scottish Government East Dunbartonshire Council Transport Scotland SPT	To promote the sustainable use of community assets, natural resources and material assets

2.3. Environmental Issues¹ for the Local Transport Strategy

2.3.1. The purpose of this section is to explain how existing environmental issues will affect or be affected by the Local Transport Strategy, and whether this strategic action is likely to aggravate, reduce or otherwise affect existing environmental issues. The main environmental issues and problems facing East Dunbartonshire are outlined in **Table 2** below.

Table 2: Environmental Issues

¹ The term "environmental issues" is the name collectively given to air, water, soil, biodiversity, climatic factors, landscape, material assets, population and human health as well as cultural heritage (including architectural and archaeological heritage) in the EU Directive 2001/42/EC. In practice they are referred to as "SEA topics".

Cultural Heritage	There are a number of cultural heritage assets in East Dunbartonshire including the Antonine Wall (UNESCO World Heritage Site) and the Forth and Clyde Canal which require protection and management. East Dunbartonshire has a varied and valued natural and historic cultural heritage. In the development of the LTS, the interventions, proposals and opportunities that will be identified should address how they can contribute to enhancing and protecting the historic environment. East Dunbartonshire is host to tourist attractors across the whole of the council- wide area such as the Antonine Wall Heritage Site, the Campsie Fells, West Highland Way and Mugdock Country Park. The LTS is likely to improve access to these assets. However, increased footfall to the main attractors can result in both positive impacts, such as stimulating the local economy, and negative impacts, such as path erosion and the degradation of sites/buildings and their
Biodiversity, Flora and Fauna	setting. East Dunbartonshire has a wide range of designated and non-designated sites, including those of ecological importance and protected species. This is seen through a number of Local Nature Conservation Sites and Important Wildlife Corridors, Tree Preservation Orders and Local Nature Reserves. East Dunbartonshire also has 6 Sites of Special Scientific Interest (SSSI). The management and protection of these assets is essential through the LTS. Invasive Non-Native Species in East Dunbartonshire have been identified in East Dunbartonshire. Their location and management should be recognised within the Strategy. There are a number of protected species and habitats within East Dunbartonshire which will need to be considered as part of the LTS. The LTS offers the scope to ensure that benefits for biodiversity is considered as a vital part of the wider active travel network in East Dunbartonshire and will play a contributing role for continued enhancement and protection of such species to avoid any loss. These concerns should be considered alongside the Councils LBAP, Open Space Strategy and Green Network Strategy.
	river and canal corridors are, to varying extents, below their potential in terms of habitat connectivity as a result of confinement and the presence of Invasive Non-Native Species. There is scope to reduce habitat fragmentation through improvements to access routes across the council area, with additional benefits anticipated in relation to biodiversity. There are several sites in East Dunbartonshire that have been identified as peatland. Any action as part of the Strategy that may result in the disturbance of such sites for the release of carbon should be avoided. This includes conflicts
Soil and Geology	between the transport network improvements and peatland protection. There is scope within the LTS to consider the role of enhanced biodiversity in managing ecosystem services including carbon storage, drainage and to alleviate flooding. There are 36 sites identified as being geologically diverse, of which 34 have been assigned as Local Geodiversity Sites (LGS). The area also hosts 1 RIGS (Regionally Important Geological or Geomorphological Site) and 1 SSSI of geological importance. The LTS should consider these designations in the development of the opportunities and actions within the Strategy to ensure their protection and enhancement where possible.

Landscape	East Dunbartonshire has varying degree of landscapes including the green belt, the Campsie Fells/Kilpatrick Hills and agricultural land. Ensuring that the landscapes are well-connected throughout East Dunbartonshire is a vital consideration for the LTS. East Dunbartonshire has a number of Local Landscape Areas with high/moderate scenic value as well as varied landscape character and setting across the Council area, including the Campsie Fells and Kilpatrick Hills. The LTS should take into account the specific landscape features to ensure that there are no specific conflicts these areas and access issues, and are sensitive to, the local landscape and retain East Dunbartonshire's local distinctiveness. The cumulative effects of projects that will enhance or extend the active travel network that may be established through the Strategy should be accounted for at a local, EDC-wide and regional level.
Water Quality	There are a number of good/moderate quality watercourses in East Dunbartonshire including the Forth and Clyde Canal which is also a Scheduled Monument. These assets require protection to which the LTS can contribute to in order to reduce, prevent or offset any adverse impacts to water quality. There are a number of sites within East Dunbartonshire's landscape which are classified as wetland. Wetlands provide vital habitats for a number of species and ecosystem services but their quality is under pressure from external influences such as flooding, developments and access. The Strategy should account for this priority habitat in the development of its action plan as well as consider its role in reducing pressures on this resource to maintain a high level of water quality.
Air Quality	Unacceptably high levels of air pollution can be harmful to the environment and human health. East Dunbartonshire currently has two designated Air Quality Management Areas (Bishopbriggs and Bearsden Cross). These are managed through Air Quality Management Plans and the emerging Air Quality Strategy, the requirements of which should be taken into account within the LTS. Changes to air quality can have a significant impact on ecosystem services,
Climatic Factors	which can affect biodiversity value and environmental assets. Domestic emissions account for the largest proportion of carbon dioxide in East Dunbartonshire, although emissions from transport account for the largest proportion of NO ₂ and PM10 emissions. This contributes to the effects of climate change which include changing temperatures and rainfall patterns, and increased incidences of extreme weather events. Where appropriate, the interventions proposed as part of the LTS should consider its role in mitigating or adapting to the effects of climate change. Climate change has a direct link to flood risk. The SEPA Flood Risk Map has identified several locations within the East Dunbartonshire Council area which could have a significant impact on habitats and the value of East Dunbartonshire's environment.
Material Assets	As a result of the spatial strategy of the impending Local Development Plan there is potential for a rise in developments in East Dunbartonshire over the life of the Plan. New developments are likely to require new or improved transport infrastructure which have the potential to result in further fragmentation of habitats and requirements for access routes which should be accounted for within the LTS. It is important that natural resources in East Dunbartonshire are managed sustainably.

There are currently a series of Core Path Networks, Rights of Way and open spaces in East Dunbartonshire which create recreational opportunities, promote active travel and provide a sense of community. The opportunities that will be identified through the Strategy should consider its role in enhancing existing networks as well as integrating with the new green network across the council- wide area. The sites identified in the Open Space Strategy should also be accounted for.
There is currently a lack of good quality active travel routes and options across the Council area which link certain towns, villages and community areas.
 Specific areas which could be improved, and additional active travel infrastructure provided include: Bishopbriggs to Lenzie
 Bearsden/Milngavie to Kirkintilloch/Lenzie Torrance to Kirkintilloch Bearsden and Milngavie (local)
The current transport network has a limited amount of on-road active travel provision. Additional provision of such improvements has the potential to significantly increase the active travel participation throughout East Dunbartonshire.
Integration of our active travel network with public transport will be an essential part of the LTS. Improving the link between these forms of transport has the potential to significantly increase sustainable travel participation, subsequently reducing car journeys and associated emissions levels throughout East Dunbartonshire.

2.4. Evolution of the Environment in the Absence of the Local Transport Strategy

- 2.4.1. The SEA process is also required to assess the likely impact on the environment if the LTS was not implemented, or the existing Strategy was not updated.
- 2.4.2. The LTS will communicate the Councils strategy, proposals and interventions for transport and travel to East Dunbartonshire's communities and stakeholders. The Strategy is set within the framework of the National and Regional Transport Strategies and aim to achieve the vision of a safe, accessible, integrated and reliable transport system that meets the needs of the communities it serves.
- **2.4.3.** In the absence of the emerging LTS, it is likely the following would occur:
 - Failure to link projects on the ground with national, regional and local outcomes, including environmental considerations.
 - Failure to demonstrate the cumulative and long-term positive impact of sustainable travel has on a number of indicators such as: health and wellbeing, modal shift, air quality, reduced congestion, increased economic competitiveness, increased attractiveness of the walking environment and perception of improved safety.
 - There would be an increased likelihood of roads being built to serve development, rather than development locations and design being negotiated close to existing transport infrastructure.
 - Gaps in the local travel networks will remain unaddressed and potential opportunities not being maximised.

- Obvious connections (easy wins) in the transport and travel network being overlooked.
- Selection of projects not informed by robust evidence base and clear rationale based on objective led process.
- 2.4.4. The LTS will be an important vehicle in achieving the overarching vision of East Dunbartonshire's Local Outcome Improvement Plan, which includes commitments relating to health inequalities and economic regeneration. Environmental protection is intrinsically linked to these agendas, and measures such as promoting healthy lifestyles and encouraging leisure related economic activity will contribute towards physical, social and financial wellbeing.
- 2.4.5. The following bullet points set out in more detail the likely implications:
 - **Biodiversity**: Uncoordinated promotion of access to our natural assets and random delivery of developments to the transport network could result in adverse effects on biodiversity and vulnerable species and habitats.
 - Landscape: Improving sustainable transport networks will require enhancement of the existing urban and rural environments to make the choice to walk or cycle for travel purposes more attractive. The LTS is likely to include interventions which will as a by-product of enhancing the transport network, improve local landscapes. Another benefit as a result of the LTS is the promotion of settlement connectivity in East Dunbartonshire away from the road network. This is likely to reduce the need to build new roads which would remove previously greenbelt/open space assets. Without the LTS, there will be a lack of coordination between road-based and sustainable transport alternatives which would contribute to perceptions of poor local landscape quality.
 - **Cultural Heritage:** Uncoordinated promotion of access to our historic environmental assets could result in degradation of East Dunbartonshire's built heritage and inadvertently harm the area's cultural offer and heritage.
 - Air Quality & Climatic Factors: Modal shift away from private cars is a major contributor to improved air quality in urban areas, failure to provide a coordinated framework for delivering measures that facilitate this modal shift would result in increased risk of air quality remaining an unacceptably poor level or worsening. Transport emissions from private cars on average equate to approximately 25% of CO2 emissions. Increasing sustainable transport provision is a major approach to reducing private car journeys and subsequently reducing the CO2 generated by the transport sector.
 - Water: Although protection of water quality as a result of development would be controlled through other legislation, the cumulative effects of increased unplanned transport development without a corresponding provision for sustainable travel would likely increase car use which through increased emissions could have adverse effects on hydrological environments and drainage requirements as part of infrastructure improvements.
 - Population & Human Health: Failure to deliver a coordinated approach to facilitating increased proportion of journeys taken by active means carries significant health risks for our population in the future. In order to increase activity levels, provision for sustainable travel to increase the rates of people walking and cycling for everyday and leisure journeys should be delivered via a clear framework. With failure to provide this coordinated approach it is unlikely adequate investment will be made to the active travel network and levels of

participation will stagnate. This would represent a risk to aggregate health levels as a result of inactivity, contributing to already rising obesity levels and corresponding health risks.

Soil & Material Assets: The LTS would present, and have a direct influence, on
opportunities to further promote the sustainable use of materials and
contribute to improvements to the varying walking and cycling path networks in
East Dunbartonshire. This would reduce the need for further road building which
could have adverse effects on soil and material assets through the loss of open
/ greenspace. Without the influence of the LTS, these opportunities are less
likely to be identified and the benefits to the relevant material assets will be
minimal.

3.1. Assessment Framework

- 3.1.1 The Environmental Assessment (Scotland) Act 2005 requires the Environmental Report to assess and evaluate the likely significant impacts that the Local Transport Strategy (LTS) will have on the environment. It is essential to SEA that the assessment process and reporting of the findings are unbiased, robust, objective, transparent and ultimately easy to follow and understand.
- 3.1.2 The assessment will focus on the strategic direction, Transport Planning Objectives and transport options being considered for the LTS. It should be noted that only the significant environmental impacts will be identified and assessed through the SEA process.
- 3.1.3 In addition to this, the assessment will evaluate the Strategy as a whole in terms of the potential cumulative effects (direct, indirect, secondary and synergistic) associated with the implementation of the LTS. **Table 3** gives an indication to each of the stages as part of the assessment framework.

Assessment Stage	Assessment Method				
LTS Vision	The Vision for the LTS is that of East Dunbartonshire's Local Outcomes Improvement Plan (LOIP) ² . The LOIP has been through the process of SEA and therefore the LTS vision will not require additional assessment.				
Strategic Direction	The different strategic approaches, as outlined in Paragraph 3.3.1., will be assessed against the proposed SEA objectives to identify the SEA preferred option for the strategic direction of the Strategy.				
Transport Planning Objectives	The Transport Planning Objectives, along with all reasonable alternatives, were tested against the proposed SEA objectives for alignment and compliance. The findings of this assessment process helped guide the refinement and improvement of the components throughout the development of the LTS.				
Transport Options	A suite of transport options and alternatives were assessed as part of a Transport Options Report (TOR) prior to a public consultation on the options. These have been refined and new assessments carried out on altered or new options as part of this Environmental Report, which include suggested SEA alterations, improvements and mitigation measures, where necessary. The SEA process has been used to inform the final options for the LTS.				

Table 3: Assessment framework

3.2. Assessment Methodology

3.2.1 The SEA Directive requires the environmental effects of 'reasonable alternatives' to the strategic document to be identified, described and assessed where appropriate. The LTS has been assessed against the list of environmental issues set out in Schedule 3 of the Environmental Assessment (Scotland) Act 2005.

² https://www.eastdunbarton.gov.uk/our-local-outcomes

- 3.2.2 It also requires environmental assessments to consider the environmental objectives established at International, European Community and national levels that are relevant to the strategic document. During the Scoping stage of SEA, it was determined that the environmental issues likely to be significantly impacted by the LTS were all of the environmental factors. The Consultation Authorities were in agreement with this level of scope, as expressed in their views following the consultation at the Scoping stage (Appendix B).
- 3.2.3 East Dunbartonshire Council has adopted a set of SEA Objectives and criteria questions for the environmental issues that were scoped into the assessment, shown in **Table 4**, which were derived from other legislation and Strategies (**Appendix A**). The criteria questions are used to guide the assessments of all elements of the Plans.

Environmental Factor	SEA Objectives							
Population and Human Health	To improve human health and community wellbeing							
Cultural Heritage	To protect, conserve and, where appropriate, enhance the historic environment							
Biodiversity, Flora and Fauna	To protect, enhance, create and, where necessary, restore biodiversity and encourage habitat connectivity							
Soil and Geology	To protect and, where appropriate, use high quality and sensitive soils in a sustainable manner and conserve recognised geodiversity assets							
Landscape	To protect, enhance and, where appropriate, restore landscape character, local distinctiveness and scenic value							
Water Quality	To prevent deterioration and, where possible, enhance the water environment							
Air Quality	To prevent the deterioration and, where possible, enhance air quality							
Climatic Factors	To contribute towards the reduction of Scottish greenhouse gas outputs in line with Government targets in order to reduce or prevent the overall effects of climate change including those related to flood risks							
Material Assets	To promote the sustainable use of community assets and natural resources in East Dunbartonshire							

Table 4: SEA objectives

3.3. Alternatives

- 3.3.1. Through the development of East Dunbartonshire's LTS there may be alternatives as to how the Strategy is delivered or implemented. The reasonable alternatives to the LTS are:
 - Do minimum approach this alternative requires East Dunbartonshire Council and partners to continue to carry out essential maintenance on the road and active travel network, but carry out no improvements.
 - Sustainable transport approach (active travel and public transport focus) this
 alternative requires East Dunbartonshire Council and partners to focus primarily on
 investment in public transport infrastructure, subsidised services and active travel
 provision. This will be at the expense of improving and maintain the local road
 network.
 - **Private vehicle approach** this alternative requires East Dunbartonshire Council and partners to concentrate investment in the local road network and traffic flow and leave

public transport and active travel development to the market. This approach would cease investment in public transport and active travel infrastructure and increase investment into improving and maintaining the road network.

- Integrated approach (based on a combination of all modes of transport) this alternative requires East Dunbartonshire Council and partners to adopt a mixed and pragmatic approach where the focus may be on improving sustainable transport but also to ensure that the local road network is well maintained and improved where necessary in order to reduce journey times, improve traffic flow, reduce congestion and air pollution.
- 3.3.2. The environmental assessment will also, where appropriate, propose further alternatives to the proposed strategic elements, as well as suggest changes from an SEA perspective that will form part of the overall Strategy. This will guide any required mitigation measures in order to reduce any potential negative/adverse impacts or to suggest enhancements to those receptors that provide potential positive impacts to East Dunbartonshire.

3.4. Assessment Findings

- 3.4.1 An environmental assessment has been undertaken for the proposed Transport Planning Objectives and options for the Strategy and has been assessed against the SEA Objectives and criteria, based on their predicted impact on the current environmental baseline. The assessment has been conducted using professional judgement and GIS analysis where appropriate.
- 3.4.2 The environmental assessments have been recorded in the form of a matrix identifying the environmental performance of each component against the SEA objectives and criteria. The environmental effects are recorded according to their nature (positive, neutral, negative, unknown or no significant effect). The significance of these effects is determined using a combination of the magnitude of the impact and the importance or sensitivity of the receiving environment.
- 3.4.3 Recommendations have been made where necessary so that environmental considerations are incorporated into the LTS. The assessments also seek to enhance the environmental benefits and suggest recommendations to further enhance or protect the environment.
- 3.4.4 **Table 5 and 6** provide a full assessment of the Strategic Direction and Transport Planning Objectives respectively. The full assessments for the Transport Options can be found in **Appendix D** provide a full assessment of the Transport Planning Objectives and options for the LTS respectively. An assessment has been undertaken for each component, including all reasonable alternatives and recommendations considered, the key environmental factors are outlined including the influence of SEA on the development of the LTS. In each case the SEA preferred option has been illustrated and commentary to support the reasoning and the options taken forward into the Strategy have also been illustrated.
- 3.4.5 In cases where the assessed SEA preferred option has not been carried forward into the Strategy as a preferred option the detailed non-environmental reasoning for this has been expanded upon within the assessment summary.

3.5. Assessment: Strategic Direction

3.5.1 The alternatives for delivering an update to the previous iteration of the Local Transport Strategy have been identified, as in paragraph 3.3.1, and assessed as part of the SEA process. **Table 5** sets out the assessments for each strategic direction option and highlights the main differences between the preferred alternatives and the other options.

Table 5: Full assessment of the Strategic Direction for the LTS

	ASSESSMENT TABLE KEY					
+ +	Major Positive		SEA Preferred Option			
+	Minor Positive	•				
0	Neutral		LTS Proferred Alternative Option			
Х	No Significant Effect		LTS Preferred Alternative Option			
-	Minor Negative					
	Major Negative					
?	Uncertain					

	SEA ENVIRONMENTAL FACTORS									
Strategic Direction	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option 1	0	Х	X	Х	x	х	0	0	0	
	Strategic Direction: Do minimum approach									
	Assessment Commentary:									
	Whilst this alternative to the proposed update to the LTS will result in essential maintenance on the existing road and active									
	travel networks, it will not present an opportunity to review and update existing priorities and commitments in the previous LTS in order to allow for improvements to the existing transport network. This is likely to result in neutral impacts to Population and Human Health, Air Quality, Climatic Factors and Material Assets only.									
Option 2	+/0	?	?	?	?	?	+	+	+/0	
	Strategic Direction: Sustainable transport approach (active travel and public transport focus)					1				

				SEA ENVI	RONMENTAL	ACTORS						
Strategic Direction	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option		
	Assessment C	commentary:										
		-	lirection would			• •		•				
			us on improver	•	•							
	present potential minor positive impacts to Population and Human Health , Air Quality, Climatic Factors and Material Assets in terms of a shift towards a more sustainable transport network locally which can help to reduce emissions associated with vehicular transport, thus potentially improving air quality and the negative effects associated with climate change. This could also result in local health improvements and give people greater opportunities to engage in active travel and access their local											
			approach wou									
			fore the effects			•						
			the other envir					o be inflited to	neutrai oniy.			
Option 3	+/-	?	?	?	?	?	-/	-/	+			
opuono		ction: Private	vehicle approa	ch			1	1				
	Assessment C											
		-	n updated LTS \	will improve th	e existing road	l network whic	h in turn will h	elp traffic flow	v and improve			
	-	••	otential positive	•	-			•	•			
	efficient netw	ork with less	opportunity fo	r traffic relate	ed health and	safety inciden	ces. However,	an investmer	nt in the road			
			to increase ove				-	-	-			
			f increased nur			•						
	areas, such as town centres, near schools and designated Air Quality Management Areas (AQMA) the impacts could be significant. As a result, this could lead to emissions-associated health issues.											
<u> </u>					1	-						
Option 4	+/++	X	X	X	X	X	+/++	+/++	+/++	\checkmark		
	Strategic Dire	ction: integra	ted approach –	combination c	of all modes of	transport						
\checkmark	-									-		
	Assessment C	-	roving the over	all transport p	atwark in Fact	Dunbartanshi	iro including th	o custoinoblo	transport and			
		• •	roving the over approach would	•			-		•			
			ulting in a netw			•		•				
		•	-			•	•		-			
	and encourage	e a change in	behaviour towa	ards more sust	ainable mode	s of transport i	in order to im	prove air quali	ty and reduce			

	SEA ENVIRONMENTAL FACTORS										
Strategic Direction	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option	
	Population an effects.	nd Human He	alth, Air Qualit	ty, Climatic Fa	ictors and Mat	terial Assets,	with the pote	ntial for signif	icant positive		

3.5.2. The proposed options for the Strategic Direction of the LTS have been considered through the SEA process. The outcome of the assessment is that each of the SEA preferred option has been carried forward into the Strategy.

3.6. Assessment: Transport Planning Objectives

- 3.6.1 The Transport Planning Objectives and their 'reasonable alternatives' have been identified and assessed as part of the SEA process. **Table 6** sets out the assessment for each of the Transport Planning Objective and highlights the main differences between the preferred alternatives and the other options.
- 3.6.2 Direct modifications have been made where necessary so that greater environmental considerations are incorporated into the final proposals for the LTS.

Table 6: Full assessment of the LTS Transport Planning Objectives

	ASSESSMENT TABLE KEY										
+ +	Major Positive		SEA Preferred Option								
+	Minor Positive	•	SEA Preferred Option								
0	Neutral		LTC Professed Alternative Option								
Х	No Significant Effect	V	LTS Preferred Alternative Option								
-	Minor Negative										
	Major Negative										
?	Uncertain]									

Proposed	SEA ENVIRONMENTAL FACTORS										
Objectives and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets		
Proposed Obj	ective 1		1								
Alternative	++	?/+	?/+	?/ 0	?/+	?/+	++	+	+ +		
1.1	Proposed Ob	jective: Incre	ase modal shift	towards more	e sustainable m	odes of trave	el for both trav	el to work/stu	dy and leisure		
	trips										
\checkmark	Assessment	Commentary	:								
	-	•	d the intention t					-	• •		
		•	for positive effe								
		-	ective will focus			•			-		
			ic, natural optio		•		-		•		
			a behavioural ch	U			• •		•		
			on emissions lev	-	•		•				
	•	• •	n in sustainable	•		-			-		
	-		els through mod	lal shift away	y from private	car use, phy	vsical activity,	and health a	nd community		
	wellbeing im	provements.									

o d P C	 the effects on the remaining environmental factors are uncertain at this stage with the potential to provide a positive impact on these factors but this will be dependent on sustainable transport infrastructure improvements or transport options to leliver this objective. Modal shift towards sustainable transport modes could potentially contribute to a reduction in road tased travel and related run-off pollution which in turn could reduce potential detrimental effects on Water Quality. Proposed Mitigation Measures: Cultural Heritage Minimise and monitor any ground disturbance and incorporate design measures in order for required infrastructure improvements and maintenance to be carried out in a sensitive and sustainable manner to avoid or minimise any impacts on the historic environmental assets or their setting. Ensure appropriate and responsible access to heritage assets. Kiodiversity, Flora and Fauna Additional surveys to determine level and type of species/habitats that will be potentially impacted from the intended outcomes such as bat surveys/extended habitat surveys etc. Any infrastructure changes/improvements should aim to retain features of ecological value within the design. The highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented.
d b P C	 deliver this objective. Modal shift towards sustainable transport modes could potentially contribute to a reduction in road hased travel and related run-off pollution which in turn could reduce potential detrimental effects on Water Quality. Proposed Mitigation Measures: Cultural Heritage Minimise and monitor any ground disturbance and incorporate design measures in order for required infrastructure improvements and maintenance to be carried out in a sensitive and sustainable manner to avoid or minimise any impacts on the historic environmental assets or their setting. Ensure appropriate and responsible access to heritage assets. Additional surveys to determine level and type of species/habitats that will be potentially impacted from the intended outcomes such as bat surveys/extended habitat surveys etc. Any infrastructure changes/improvements should aim to retain features of ecological value within the design. The highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented.
b P C	 Assed travel and related run-off pollution which in turn could reduce potential detrimental effects on Water Quality. Proposed Mitigation Measures: Cultural Heritage Minimise and monitor any ground disturbance and incorporate design measures in order for required infrastructure improvements and maintenance to be carried out in a sensitive and sustainable manner to avoid or minimise any impacts on the historic environmental assets or their setting. Ensure appropriate and responsible access to heritage assets. Miditional surveys to determine level and type of species/habitats that will be potentially impacted from the intended outcomes such as bat surveys/extended habitat surveys etc. Any infrastructure changes/improvements should aim to retain features of ecological value within the design. The highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented.
P	 Proposed Mitigation Measures: Minimise and monitor any ground disturbance and incorporate design measures in order for required infrastructure improvements and maintenance to be carried out in a sensitive and sustainable manner to avoid or minimise any impacts on the historic environmental assets or their setting. Ensure appropriate and responsible access to heritage assets. Stiodiversity, Flora and Fauna Additional surveys to determine level and type of species/habitats that will be potentially impacted from the intended outcomes such as bat surveys/extended habitat surveys etc. Any infrastructure changes/improvements should aim to retain features of ecological value within the design. The highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented.
В	 Minimise and monitor any ground disturbance and incorporate design measures in order for required infrastructure improvements and maintenance to be carried out in a sensitive and sustainable manner to avoid or minimise any impacts on the historic environmental assets or their setting. Ensure appropriate and responsible access to heritage assets. Viodiversity, Flora and Fauna Additional surveys to determine level and type of species/habitats that will be potentially impacted from the intended outcomes such as bat surveys/extended habitat surveys etc. Any infrastructure changes/improvements should aim to retain features of ecological value within the design. The highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented.
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	 Ensure appropriate and responsible access to heritage assets. Biodiversity, Flora and Fauna Additional surveys to determine level and type of species/habitats that will be potentially impacted from the intended outcomes such as bat surveys/extended habitat surveys etc. Any infrastructure changes/improvements should aim to retain features of ecological value within the design. The highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented.
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s	 Any infrastructure changes/improvements should aim to retain features of ecological value within the design. The highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented.
s	highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented.
s	any impact prevented.
s	
S	cil and Geology
	on and Geology
	- Further surveys of peatland/carbon rich soils should be carried out to ensure construction activities achieve outcomes
	which will not devalue protected soil.
	 Implement soil erosion prevention measures outlined in good practice guidance where necessary.
L	andscape
	- Integration of high environmental and design standards that maintain existing landscape distinctiveness and will be
	consistent with the Local Development Plan.
V	Vater Quality and Climatic Factors
	- Control and treatment of surface run-off.
	 Adoption of best practices to prevent/minimise adverse impacts to drainage.
	- Further Flood Risk Assessments to determine extend of flood risk in the area and the implementation of flood risk
	management measures, if required.
ative	+ ?/+ ?/+ ?/0 ?/+ ?/+ + +
	Proposed Objective: Increase modal shift towards more sustainable modes for leisure trips by improving public transport to

	Assessment Commentary:										
	Through this objective and the intention is to increase sustainable modes of travel for leisure journeys will result in potential										
	for minor positive effects in relation to Population and Human Health, Air Quality, Climatic Factors and Material Assets. This										
	objective is likely to generate measures which may reduce private vehicle trips around attractions in East Dunbartonshire.										
	These would reduce congestion and parking pressures at attractions like Mugdock Country Park, potentially increasing visitor										
	rates with positive impacts on economic growth.										
	However this objective fails to address the potential for realising the benefits of modal shift from travel to work and study										
	journeys, which make up the majority of journeys in the area and therefore the overall impacts of this objective, are likely to										
	be minimal.										
	The effects on the remaining environmental factors are uncertained this stage with the notential to are vide a positive impact.										
	The effects on the remaining environmental factors are uncertain at this stage with the potential to provide a positive impact on these factors but this will be dependent on sustainable transport infrastructure improvements or transport options to										
	deliver this objective. Modal shift towards sustainable transport modes could potentially contribute to a reduction in road										
	based travel and related run-off pollution which in turn could reduce potential detrimental effects on Water Quality.										
	Proposed Mitigation Measures:										
	The same proposed mitigation measures as Alternative 1.1.										
Alternative	+ ?/+ ?/+ ?/+ + + +										
1.3	Proposed Objective: Increase modal shift towards more sustainable modes for travel to work and study by improving public										
	transport										
	ssment Commentary:										
	This objective is likely to generate measures which may reduce private vehicle trips on the key cross boundary routes in East										
	Dunbartonshire. These would reduce congestion on radial corridors, relieve parking pressures at transport hubs, improve										
	$\mathbf{O}_{\mathbf{r}} = \mathbf{O}_{\mathbf{r}} = $										
	journey times, reduce harmful emissions levels and reduce noise. However, this objective fails to address the potential for										
	journey times, reduce harmful emissions levels and reduce noise. However, this objective fails to address the potential for										
	journey times, reduce harmful emissions levels and reduce noise. However, this objective fails to address the potential for realising the benefits of modal shift from leisure journeys by increasing sustainable travel to main attractions. There is										
	journey times, reduce harmful emissions levels and reduce noise. However, this objective fails to address the potential for realising the benefits of modal shift from leisure journeys by increasing sustainable travel to main attractions. There is potential for minor positive effects in relation to Population and Human Health, Air Quality, Climatic Factors and Material Assets.										
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lternative	++	?	?	?	?	?	+	+	+
2.1	Proposed Ob	jective: Redu	ce inequality b	y providing hig	h quality acc	ess for all			·
	Assessment	Commentary:							
	Through this	objective ar	nd the intenti	ion to use and	d improve su	istainable tra	nsport mode	s as an enab	ler to improve
	opportunities	s for all by inc	reasing access	to essential se	rvices and fa	cilities that are	e both afforda	ble and easily	realised, there
		•	•	•				· · · · · · · · · · · · · · · · · · ·	tic Factors and
									l areas of East
					•			•	n and wellbeing
	•		•	•	•		• •		rneys by public
			-	•		•		-	ounbartonshire. al services and
	-				-	-		-	ts will be mainly
		-	-				-	•	roughout East
					-				car use, physical
			-	peing improven					
	,,,		,						
	The effects o	n the remaini	ng environmei	ntal factors are	uncertain at	this stage wit	h the potentia	l to provide a	positive impact
	on these fact	tors but this	will be depend	dent on sustair	nable transpo	rt infrastruct	ure improvem	ents or trans	port options to
	deliver this o	bjective.							
		tigation Mea	sures:						
	Cultural Heri	•							
						-			d infrastructure
							tainable mani	her to avoid o	r minimise any
				nental assets or	-				
			•	ble access to h	entage assets				
		Flora and Fau		level and type (of species /ha	hitats that will	l he notentially	imnacted fro	m the intended
				tended habitat			i be potentially	mpacted IIO	
			•		•	tain features	of ecological	value within t	the design. The
			• •				•		considered and
	-	mpact preven			, p		,		
	Soil and Geo	• •							

	- Furthe	er surveys of p	peatland/carbor	n rich soils sho	ould be carried	l out to ensur	e construction	activities achi	eve outcomes		
			lue protected so								
	- Impler	nent soil ero:	sion prevention	measures ou	Itlined in good	practice guid	ance where ne	cessary.			
	Landscape										
	- Integration of high environmental and design standards that maintain existing landscape distinctiveness and will be										
	consistent with the Local Development Plan.										
	Water Quality and Climatic Factors										
			ent of surface r								
			actices to preve			-					
			Assessments to		extend of floor	d risk in the a	area and the in	plementation	n of flood risk		
	manag		ures, if required		I	I					
Alternative	+	?	?	?	?	?	+	+	+		
2.2			ve the transpor	t network for	the elderly ar	nd disabled					
	Assessment Co	•									
	-		proved access t		•				•		
	opportunities	for the elderl	y and disabled b	by increasing	access to esse	ntial services	and facilities the	nat are both a	ffordable and		
	easily realised	. There is po	tential for posit	ive effects s	pecifically in re	elation to Po	pulation and F	luman Health	, Air Quality,		
	Climatic Facto	rs and Mate	rial Assets. This	s objective is	focussed on in	mprovements	aimed at very	specific coho	orts and is not		
	based on ensu	iring optimur	n access standa	rds for all tra	ansport netwo	rk users. This	objective wou	ld likely resul	t in measures		
	that are helpfu	ul to some us	sers with restric	ted mobility	but fail to imp	orove overall	standards or a	ccess. This w	ill reduce the		
		pful to some users with restricted mobility but fail to improve overall standards or access. This will reduce the pacts on physical activity, health and community wellbeing, by limiting the scope of the transport strategy, while									
		ts on physica	activity, healt	h and commi	unity wellbeing		the scope of th	e transport s	trategy, while		
	ו מוזט וכטענוווצ נ	• •	•			g, by limiting	the scope of th	e transport s	trategy, while		
	-	he overall im	pacts of a susta	inable transp	ort modal shif	g, by limiting ft.		·			
	The effects on	the overall im the remainin	pacts of a susta g environmenta	inable transp al factors are	oort modal shif uncertain at tl	g, by limiting ft. his stage with	the potential t	o provide a p	ositive impact		
	The effects on on these facto	the overall im the remainin ors but this v	pacts of a susta	inable transp al factors are	oort modal shif uncertain at tl	g, by limiting ft. his stage with	the potential t	o provide a p	ositive impact		
	The effects on on these facto deliver this obj	the overall im the remainin ors but this v jective.	pacts of a susta g environmenta vill be depende	inable transp al factors are	oort modal shif uncertain at tl	g, by limiting ft. his stage with	the potential t	o provide a p	ositive impact		
	The effects on on these facto deliver this obj Proposed Miti	the overall im the remainin ors but this v jective. gation Meas	pacts of a susta g environmenta vill be depende ures:	inable transp al factors are nt on sustain	oort modal shi uncertain at th able transpor	g, by limiting ft. his stage with	the potential t	o provide a p	ositive impact		
Proposed Obi	The effects on on these facto deliver this ob Proposed Miti The same prop	the overall im the remainin ors but this v jective. gation Meas	pacts of a susta g environmenta vill be depende	inable transp al factors are nt on sustain	oort modal shi uncertain at th able transpor	g, by limiting ft. his stage with	the potential t	o provide a p	ositive impact		
	The effects on on these facto deliver this ob Proposed Miti The same prop	the overall im the remainin ors but this v jective. gation Meas posed mitigat	pacts of a susta og environmenta vill be depende ures: ion measures as	inable transp al factors are nt on sustain s Alternative	oort modal shif uncertain at th able transpor 2.1.	g, by limiting ft. his stage with t infrastructu	the potential t	o provide a p	ositive impact		
Alternative	The effects on on these facto deliver this ob Proposed Miti The same prop ective 3 ++	the overall im the remaining ors but this v jective. gation Meas posed mitigat ?/+	pacts of a susta og environmenta vill be depende ures: ion measures as ?/+	inable transp al factors are nt on sustain s Alternative ?/0	oort modal shif uncertain at th able transpor 2.1. ?/+	g, by limiting ft. his stage with t infrastructu ?/+	the potential t re improvement ++	o provide a ponts or transpo	ositive impact ort options to	✓	
Proposed Obj Alternative 3.1	The effects on on these facto deliver this obj Proposed Miti The same prop ective 3 + + Proposed Obje	the overall im the remaining ors but this w jective. gation Meas oosed mitigat ?/+ ective: Reduce	pacts of a susta og environmenta vill be depende ures: ion measures as	inable transp al factors are nt on sustain s Alternative ?/0	oort modal shif uncertain at th able transpor 2.1. ?/+	g, by limiting ft. his stage with t infrastructu ?/+	the potential t re improvement ++	o provide a ponts or transpo	ositive impact ort options to	✓	
	The effects on on these facto deliver this obj Proposed Miti The same prop ective 3 ++ Proposed Obje Assessment Co	the overall im the remaining ors but this v jective. gation Meas oosed mitigat ?/+ ective: Reduction ommentary:	pacts of a susta og environmenta vill be depende ures: ion measures as ?/+	inable transp al factors are nt on sustain s Alternative ?/0 ough reduced	oort modal shif uncertain at th able transpor 2.1. ?/+ d vehicle milea	g, by limiting ft. his stage with t infrastructu ?/+ ge in East Du	the potential t re improvement ++ nbartonshire	o provide a ponts or transpondent	ositive impact ort options to +	✓	

participation and public transport usage rate. Through this objective there is potential for positive effects specifically in relation to **Population and Human Health**, **Air Quality**, **Climatic Factors and Material Assets**. This objective will focus on reducing journeys through private vehicular travel in order to achieve a reduction in related carbon emissions.

The effects on the remaining environmental factors are uncertain at this stage with the potential to provide a positive impact on these factors but this will be dependent on sustainable transport infrastructure improvements or transport options to deliver this objective. In particular, the intended modal shift towards sustainable transport modes could potentially contribute to a reduction in road based travel and related run-off pollution which in turn could reduce potential detrimental effects on Water Quality.

Proposed Mitigation Measures:

Cultural Heritage

- Minimise and monitor any ground disturbance and incorporate design measures in order for required infrastructure improvements and maintenance to be carried out in a sensitive and sustainable manner to avoid or minimise any impacts on the historic environmental assets or their setting.
- Ensure appropriate and responsible access to heritage assets.

Biodiversity, Flora and Fauna

- Additional surveys to determine level and type of species/habitats that will be potentially impacted from the intended outcomes such as bat surveys/extended habitat surveys etc.
- Any infrastructure changes/improvements should aim to retain features of ecological value within the design. The highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented.

Soil and Geology

- Further surveys of peatland/carbon rich soils should be carried out to ensure construction activities achieve outcomes which will not devalue protected soil.
- Implement soil erosion prevention measures outlined in good practice guidance where necessary.

Landscape

- Integration of high environmental and design standards that maintain existing landscape distinctiveness and will be consistent with the Local Development Plan.

Water Quality and Climatic Factors

- Control and treatment of surface runoff.
- Adoption of best practices to prevent/minimise adverse impacts to drainage.
- Further Flood Risk Assessments to determine extend of flood risk in the area and the implementation of flood risk management measures, if required.

Alternative	++	Х	Х	X	X	Х	+ / ++	+	?/+
3.2	Proposed Ob	jective: Impos	e stricter emis	sion standard	s for vehicles	travelling in Ea	st Dunbarton	shire	
	Assessment	Commentary:							
	-	•	•		•				be removed.
	-		•	•					of the private
									h will limit the
	-	•	•		•	•	•		raphical zones
			•	•		•		•	re is potential
		•	•						These effects
		-			-	-			nful emissions
	-			•		existing desig	gnated Air Qu	ality Manager	ment Areas in
Duran a card Oh		and Bearsden	by creating ze	ro emissions z	ones.				
Proposed Obj	-	?/+/-	2/ . /	2/./	2/./	2/./			. /
Alternative 4.1	++/-		?/+/-	?/+/-	?/+/-	?/+/-	++/	++/-	+/-
4.1	our communi	-	ale sustainable	e economic gr	owin by impr	Jving connecti		r boundaries a	na between
/		Commentary:							
\checkmark		-	oncourage in	nrovements t	o transport c	opportivity bo	ween East Du	unbartonshire'	s communities
	-		-	•	•	•			ositive effects
		-	-					• •	s. Whilst the
									al factors the
			•			•	•		tive and cause
		•			•		•	• •	actors. This
		• •	-	•		•	•		including the
	-	of vibrant, we			-				
		· · · · · · · · · · · · · · · · · · ·							
	This objective	e could contri	bute to impro	ved transport	t linkages bet	ween commu	nities, particu	larly rural are	as, while also
	encouraging	behavioural o	hange throug	hout the Cou	uncil for acce	ssing essentia	I services an	d facilities, re	ducing traffic
						-			ed around the
	-				-	•		•	ich will have a
	· ·	•	•		•	•			nd health and
	-	vellbeing impro	•	-	,			•	
	· ·	- ·							

improv	vements and selected transport options to deliver this objective.
Propo	sed Mitigation measures:
Cultur	al Heritage
-	Minimise and monitor any ground disturbance and incorporate design measures in order for required infrastructur improvements and maintenance to be carried out in a sensitive and sustainable manner to avoid or minimise an impacts on the historic environmental assets or their setting. Ensure appropriate and responsible access to heritage assets.
Biodiv	ersity, Flora and Fauna
-	Additional surveys to determine level and type of species/habitats that will be potentially impacted from the intende outcomes such as bat surveys/extended habitat surveys etc.
-	Any infrastructure changes/improvements should aim to retain features of ecological value within the design. Th highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered an any impact prevented.
Soil ar	nd Geology
-	Further surveys of peatland/carbon rich soils should be carried out to ensure construction activities achieve outcome which will not devalue protected soil.
-	Implement soil erosion prevention measures outlined in good practice guidance where necessary.
Lands	cape
-	Integration of high environmental and design standards that maintain existing landscape distinctiveness and will b consistent with the Local Development Plan.
Water	Quality and Climatic Factors
-	Control and treatment of surface runoff.
-	Adoption of best practices to prevent/minimise adverse impacts to drainage.
-	Further Flood Risk Assessments to determine extend of flood risk in the area and the implementation of flood ris management measures, if required.
-	Use of construction SUDS and adoption of best practices to avoid pollution of watercourses.
Air Qu	ality and Climatic Factors
-	Ensure road improvements are designed with due regard to areas of poor air quality e.g. AQMAs.
-	Should changes in road alignment be proposed, it is important to ensure, where practicable, that the distance betwee
	road traffic and sensitive receptors is not significantly reduced. Where the opportunity presents itself, the distance

	quui	ity at these re									
Alternative	-	?/-	?/-	?/-	?/-	?/-	-/	-	?/-		
4.2		*		growth by in	creasing road c	apacity to rec	duce congestio	า			
	Assessment Commentary:										
	An increase in the road capacity would reduce congestion in the short term and reduce commuting journey times but is likely to exacerbate the long term problem by signalling to commuters and travelling public that the council is primarily seeking to										
		-	• •					•			
	accommodate car drivers rather than sustainable modes of transport. While increasing capacity may relieve some congestion										
	it is likely to increase overall emissions levels and have negative impacts on Population and Human Health, Air Quality and										
	Climatic Factors. Increasing road capacity will be contrary to Councils intention of increasing modal shift, contribute to an increase in carbon emissions and poor air quality and create an overall less attractive and pleasant environment to live, work										
	increase in carbon emissions and poor air quality and create an overall less attractive and pleasant environment to live, work and visit.										
	The effects o	on the remain	ng environmen	ntal factors ar	e uncertain at	this stage wit	th the potential	to provide ne	gative impact		
	The effects on the remaining environmental factors are uncertain at this stage with the potential to provide negative impact on these factors but this will be dependent on the road based infrastructure improvements and selected transport options to										
	deliver this objective.										
	Proposed Mitigation Measures:										
	Cultural Heritage										
	- Minimise and monitor any ground disturbance and incorporate design measures in order for required infrastructure										
	improvements and maintenance to be carried out in a sensitive and sustainable manner to avoid or minimise any										
	impacts on the historic environmental assets or their setting.										
	- Ensure appropriate and responsible access to heritage assets.										
	Biodiversity, Flora and Fauna										
					-	itats that will	be potentially	impacted from	the intended		
			bat surveys/ext		•						
							of ecological v		-		
		•	•	such as wood	land, riparian h	abitats, pond	ds, wetlands etc	c. should be co	onsidered and		
		impact prever	tea.								
	Soil and Geo		nootlond / coult	on rich colle -	hould be service		ro. construction.				
		•	•		nould be carried	a out to ensu	re construction	activities achie	eve outcomes		
	 which will not devalue protected soil. Implement soil erosion prevention measures outlined in good practice guidance where necessary. 										

	Cons Water Quality - Cont - Adop - Furth mana - Use of Air Quality a - Ensu - Shou road betw	istent with the ty and Climation rol and treatment otion of best potent re Flood Risk agement mease of construction nd Climatic Far re road impro- ild changes in re traffic and se	ent of surface r ractices to preve Assessments to sures, if required SUDS and adop ctors vements are des road alignment b nsitive receptor fic and sensitive	nent Plan. unoff. ent/minimise determine e d. otion of best signed with d be proposed, i s is not signif	adverse imparextend of floor practices to avu ue regard to a it is important icantly reduce	cts to drainage d risk in the ar roid pollution o reas of poor ain to ensure, whe rd. Where the	ea and the im f watercourse r quality e.g. A re practicable opportunity p	oplementation s. QMAs. , that the dista presents itself,	of flood risk nce between the distance	
Alternative 4.3	++ Proposed Ob	?/+	?/+	?/+	?/+	?/+	++	++	++	\checkmark
	 Proposed Objective: Stimulate economic growth by focussing solely on improving public transport infrastructure Assessment Commentary: This objective would lead to improvements to bus and rail infrastructure which would make public transport journeys a more attractive and realistic alternative throughout East Dunbartonshire. This objective in combination with the Councils Active Travel Strategy would form a strong alliance to drive the improvements in the sustainable transport network in East Dunbartonshire. This objective is likely to provide positive impacts on all environmental factors, most significantly concerning Population and Human Health, Air Quality, Climatic Factors and Material Assets. 									
	Proposed Mi Cultural Heri - Minin impr impa - Ensu Biodiversity, - Addi	itigation Meas itage mise and mon ovements and ovements and ovements and re appropriate Flora and Fau tional surveys	ures: itor any ground maintenance t coric environme and responsibl	disturbance o be carried ntal assets or e access to he vel and type c	and incorpora out in a sensi their setting. eritage assets. of species/habi	te design meas tive and sustai	inable manne	r to avoid or r	ninimise any	

	highe		changes/impro or protection su ted.				-		-	
	Soil and Geology									
	 Further surveys of peatland/carbon rich soils should be carried out to ensure construction activities achieve outcomes which will not devalue protected soil. 									
			sion prevention		Itlined in good	I practice guid	ance where ne	COSCORU		
	Landscape	ement son ero	sion prevention	Theasures of		i practice guiu		cessary.		
	- Integ		environmenta e Local Develop	-	standards that	maintain exis	ting landscape	distinctivene	ess and will be	
	Water Qualit	ty and Climati	c Factors							
	- Cont	rol and treatm	nent of surface	runoff.						
	- Adop	otion of best p	ractices to prev	vent/minimise	adverse impa	cts to drainag	е.			
	- Furth	ner Flood Risk	Assessments t	o determine e	extend of floo	d risk in the a	rea and the in	nplementatio	n of flood risk	
	mana	agement meas	sures, if require	ed.						
	- Use d	of construction	n SUDS and ado	ption of best	practices to av	void pollution	of watercourse	es.		
roposed Obj	ective 5				•	•				
	ective 5 + +	x	x	X	X	X	++	++	++	
	+ +		X ove health by in		X	X	++	++	++	~
Alternative	+ + Proposed Ob		ove health by in		X	X	++	++	++	~
Iternative	+ + Proposed Ob Assessment	ojective: Impro Commentary:	ove health by in	creasing walk	X Ning and cycling	X g rates		1		~
Alternative	++ Proposed Ok Assessment Through this	jective: Impro Commentary: s objective the	ove health by in	creasing walk	X ing and cycling veryday journ	X g rates eys through t	he use and in	nprovement o	of sustainable	~
Alternative	++ Proposed Ok Assessment Through this transport. F participation	ojective: Impro Commentary: s objective the rom a Nationa and public tra	ove health by in e intention is t al perspective E nsport usage ra	creasing walk to increase ev DC has a high te. Through th	X ing and cycling veryday journ her than avera his objective th	X g rates eys through t age car owners aere is potentia	he use and in ship and lower al for positive e	nprovement of than average ffects specific	of sustainable e active travel ally in relation	~
Alternative	++ Proposed Ok Assessment Through this transport. F participation	ojective: Impro Commentary: s objective the rom a Nationa and public tra	ove health by in e intention is t al perspective E	creasing walk to increase ev DC has a high te. Through th	X ing and cycling veryday journ her than avera his objective th	X g rates eys through t age car owners aere is potentia	he use and in ship and lower al for positive e	nprovement of than average ffects specific	of sustainable e active travel ally in relation	~
Proposed Obj Alternative 5.1	++ Proposed Ok Assessment Through this transport. F participation to Populatio	ojective: Impro Commentary: objective the rom a Nationa and public tra n and Human	ove health by in e intention is t al perspective E nsport usage ra	creasing walk to increase ev EDC has a high ite. Through th vality, Climati	X ing and cycling veryday journ her than avera his objective th ic Factors and	x g rates eys through t age car owners here is potentia Material Asso	he use and in ship and lower al for positive e ets. This object	nprovement of than average ffects specific	of sustainable e active travel ally in relation	~
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Alternative	++ Proposed Ok Assessment Through this transport. F participation to Populatio journeys thro	ojective: Impro Commentary: 5 objective the rom a Nationa and public tra n and Human ough vehicular	e intention is t el perspective E nsport usage ra Health, Air Qu	creasing walk to increase ex DC has a high te. Through th Jality, Climati to achieve a r	X ing and cycling veryday journ her than avera his objective th ic Factors and reduction in re	X g rates eys through t age car owners here is potentia Material Asso elated carbon o	he use and in ship and lower al for positive e ets. This object emissions.	nprovement of than average ffects specific ctive will focu	of sustainable e active travel ally in relation is on reducing	~
Alternative	++ Proposed Ok Assessment Through this transport. F participation to Populatio journeys thro The national	ojective: Impro Commentary: objective the rom a Nationa and public tra n and Human ough vehicular policy framev	ove health by in e intention is t al perspective E nsport usage ra Health, Air Qu travel in order	creasing walk to increase ex EDC has a high ite. Through th vality, Climati to achieve a r sing activity le	X ing and cycling veryday journ her than avera his objective th c Factors and reduction in re evels is clearly	x g rates eys through t age car owner here is potentia Material Asso elated carbon of set out in the	he use and in ship and lower al for positive e ets. This object emissions.	nprovement of than average ffects specific ctive will focu n Plan for Sco	of sustainable e active travel ally in relation is on reducing	~
Alternative	++ Proposed Ok Assessment Through this transport. F participation to Populatio journeys thro The national National Wa	ojective: Impro Commentary: s objective the rom a Nationa and public tra n and Human ough vehicular policy framev Iking Strategy	ove health by in e intention is t al perspective E nsport usage ra Health, Air Qu travel in order	creasing walk to increase ex DC has a high te. Through th Jality, Climati to achieve a r sing activity le cotland More	X ing and cycling veryday journ her than avera his objective th c Factors and reduction in re evels is clearly Active. There	x g rates eys through t age car owners here is potentia Material Asso elated carbon of set out in the is substantial	he use and in ship and lower al for positive e ets. This object emissions. e Cycling Action evidence that	nprovement of than average ffects specific ctive will focu n Plan for Sco increasing ph	of sustainable e active travel ally in relation is on reducing otland and the hysical activity	~
Alternative	++ Proposed Ok Assessment Through this transport. F participation to Populatio journeys throw The national National Wa levels contrib	ojective: Impro Commentary: s objective the rom a Nationa and public tra n and Human ough vehicular policy framev lking Strategy oute to a heal	ove health by in e intention is t al perspective E nsport usage ra Health, Air Qu travel in order vork for increas and Lets Get So	creasing walk to increase ex DC has a high te. Through th Jality, Climati to achieve a r sing activity le cotland More pringing nume	X ing and cycling veryday journ her than avera his objective th c Factors and reduction in re evels is clearly Active. There rous benefits	X g rates eys through t age car owners here is potentia Material Asso elated carbon of set out in the is substantial including: a hi	he use and in ship and lower al for positive e ets. This object emissions. cycling Action evidence that gher quality o	nprovement of than average ffects specific ctive will focu n Plan for Sco increasing ph f life for the p	of sustainable e active travel ally in relation is on reducing otland and the hysical activity people in East	~
Alternative	++ Proposed Ok Assessment Through this transport. F participation to Populatio journeys thro The national National Wa levels contril Dunbartonsh	ojective: Impro Commentary: s objective the rom a Nationa and public tra n and Human ough vehicular policy framev lking Strategy oute to a heal nire, reducing	ove health by in e intention is t al perspective E nsport usage ra Health, Air Qu travel in order work for increas and Lets Get So thier lifestyle b	creasing walk to increase ev DC has a high te. Through th tality, Climati to achieve a r sing activity le cotland More tringing nume ties; reduced	X ing and cycling veryday journ her than avera his objective th c Factors and reduction in re- evels is clearly Active. There rous benefits risk of develo	X g rates eys through t age car owners nere is potentia Material Asso elated carbon of set out in the is substantial including: a hi ping health pr	he use and in ship and lower al for positive e ets. This object emissions. e Cycling Action evidence that gher quality o oblems like he	nprovement of than average ffects specific ctive will focu n Plan for Sco increasing ph f life for the p eart disease, s	of sustainable e active travel ally in relation is on reducing otland and the hysical activity beople in East stroke, Type 2	~

	cycling at the expense of private car journeys would also contribute to reduced emissions levels with positive impacts on human health, air quality and contributing towards National emissions reduction targets.
	Proposed Mitigation Measures:
	Cultural Heritage
	 Minimise and monitor any ground disturbance and incorporate design measures in order for required infrastructure improvements and maintenance to be carried out in a sensitive and sustainable manner to avoid or minimise any impacts on the historic environmental assets or their setting. Ensure appropriate and responsible access to heritage assets. Biodiversity, Flora and Fauna
	 Additional surveys to determine level and type of species/habitats that will be potentially impacted from the intended outcomes such as bat surveys/extended habitat surveys etc.
	 Any infrastructure changes/improvements should aim to retain features of ecological value within the design. The highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented.
	Soil and Geology
	 Further surveys of peatland/carbon rich soils should be carried out to ensure construction activities achieve outcomes which will not devalue protected soil. Implement soil erosion prevention measures outlined in good practice guidance where necessary.
	Landscape
	 Integration of high environmental and design standards that maintain existing landscape distinctiveness and will be consistent with the Local Development Plan. Water Quality and Climatic Factors
	- Control and treatment of surface runoff.
	 Adoption of best practices to prevent/minimise adverse impacts to drainage. Further Flood Risk Assessments to determine extend of flood risk in the area and the implementation of flood risk management measures, if required.
	- Use of construction SUDS and adoption of best practices to avoid pollution of watercourses.
ernative	+ ?/+/- ?/+/- ?/+/- ?/+/- + + +
5.2	Proposed Objective: Improve health in East Dunbartonshire by providing attractive walking and cycling routes
	Assessment Commentary:
	Through this objective the intention is to provide attractive waking and cycling routes to improve health in East Dunbartonshire. Through this objective there is potential for positive effects specifically in relation to Population and Human Health, Air Quality, Climatic Factors and Material Assets. However, the objective relates to provision of routes as a means to

improving health but not an actual increase in rates of cycling or walking. Thus if this objective were fulfilled, its success would be measured by the number of attractive routes delivered which if located in unsuitable locations could be under-utilised and have a very low impact on human health due to low uptake. It is likely that provision of routes would contribute to increased activity levels undertaken by residents, however it would be difficult to link rates with new routes. Through this objective there is potential for positive effects specifically in relation to **Population and Human Health**, **Air Quality**, **Climatic Factors and Material Assets**. However, the effects on the remaining environmental factors are uncertain at this stage with the potential to provide positive and negative impact on these factors but this will be dependent on the location and natural and historic environmental constraints present for proposed walking and cycling infrastructure projects to deliver this objective.

Proposed Mitigation Measures:

Cultural Heritage

- Minimise and monitor any ground disturbance and incorporate design measures in order for required infrastructure improvements and maintenance to be carried out in a sensitive and sustainable manner to avoid or minimise any impacts on the historic environmental assets or their setting.
- Ensure appropriate and responsible access to heritage assets.

Biodiversity, Flora and Fauna

- Additional surveys to determine level and type of species/habitats that will be potentially impacted from the intended outcomes such as bat surveys/extended habitat surveys etc.
- Any infrastructure changes/improvements should aim to retain features of ecological value within the design. The highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented.

Soil and Geology

- Further surveys of peatland/carbon rich soils should be carried out to ensure construction activities achieve outcomes which will not devalue protected soil.
- Implement soil erosion prevention measures outlined in good practice guidance where necessary.

Landscape

 Integration of high environmental and design standards that maintain existing landscape distinctiveness and will be consistent with the Local Development Plan.

Water Quality and Climatic Factors

- Control and treatment of surface runoff.
- Adoption of best practices to prevent/minimise adverse impacts to drainage.
- Further Flood Risk Assessments to determine extend of flood risk in the area and the implementation of flood risk management measures, if required.
- Use of construction SUDS and adoption of best practices to avoid pollution of watercourses.

Alternative	+	Х	Х	Х	Х	X	Х	X	Х					
6.1	Proposed Objective: Improve safety by slowing vehicle speeds													
	Assessment C	ommentary:												
	This objective	is likely to ha	ave a positive	effect on safet	y but is focuss	ed solely on re	educing speed	ls to reduce ac	cident levels.					
	There are a ra	nge of other	measures tha	t could reduce	accidents wh	ich are not foc	ussed on slov	ving vehicle sp	eeds, such as					
	promotional c	ampaigns, ad	vanced driver	training, impro	oved crossing	facilities, prote	ected separate	e cycle lanes et	c, which may					
	improve safety	y without neo	essarily reduc	ing vehicle spe	eds.									
Alternative	+ +	х	х	X	Х	X	X	X	X					
	Proposed Objective: Improve safety on all modes of transport						Proposed Objective: Improve safety on all modes of transport							
6.2	Proposed Obj	ecuve. impro												
6.2	Assessment C													
6.2	Assessment C	ommentary:	•	cidents and im	prove safety is	s likely to have	the greatest	impact on imp	proving safety					
6.2 ✓	Assessment Co Taking measur	ommentary: res to reduce	the risk of ac	cidents and im ork. While the	• •	•	-	• •						
6.2 V	Assessment Co Taking measur on East Dunba	ommentary: res to reduce artonshire's t	the risk of ac		rate of casua	lties in East Du	unbartonshire	is currently fa	lling, it is still					
6.2 V	Assessment Co Taking measur on East Dunba	ommentary: res to reduce artonshire's t the Council t	the risk of action the risk of action the risk of action the range of	ork. While the zero casualty ra	rate of casua ate on its road	lties in East Du s, cycle ways ar	unbartonshire nd paths in or	is currently fa der to minimis	Illing, it is still e injuries and					
6.2 V	Assessment Co Taking measur on East Dunba imperative for deaths on the	ommentary: res to reduce artonshire's t the Council t roads. This	the risk of ac ransport netw o strive for a z	ork. While the zero casualty ra	rate of casua ate on its road have significa	lties in East Du s, cycle ways an nt positive imp	unbartonshire nd paths in or pacts on Pop	is currently fa der to minimis ulation and H	lling, it is still e injuries and uman Health					

3.6.3. The proposed Transport Planning Objectives, and all reasonable alternatives, for the LTS have been considered through the SEA process. The outcome of the assessment is that SEA preferred options for Objectives 1, 2, 3, 5 and 6 have been carried forward into the Strategy, in some cases incorporating SEA suggested alterations and/or mitigation. However, the SEA preferred option for Objective 4 has not been taken forward to the draft LTS for the following reason. The alternative option focuses on improving connectivity between East Dunbartonshire and the Glasgow City Region as well as improving connectivity between our communities such as the villages and between town centres. It, therefore, relates to all modes as it is a general objective for connectivity to ensure that people of East Dunbartonshire can get to areas of employment as an economic driver and that inward investment is attracted to the area as a whole.

3.7. Assessment: Transport Options

- 3.7.1 An environmental assessment has been undertaken for each of the transport options. The assessments have been recorded in the form of a matrix identifying the environmental performance against each of the scoped-in environmental factors and set criteria.
- 3.7.2 SEA suggested alterations and/or mitigation measures have been made where necessary to ensure that greater environmental considerations are incorporated into the final proposals for the LTS. This has been done through SEA commentary and suggested mitigation sections for each proposed option and their alternatives.
- 3.7.3 The full site assessment for each transport option are contained within **Appendix D**. The site assessment findings, suggested alterations and proposed mitigation measures have been used to form the decision-making within the LTS. The SEA mitigation measures for relevant options have been integrated into the delivery plan in the LTS to ensure that the SEA information is integrated into the project level in an efficient process.
- 3.7.4 Whilst the assessments highlighted positive impacts in relation to improved infrastructure, better access to sustainable transport and better connectivity within East Dunbartonshire and neighbouring areas, the main negative impacts identified were attributable to impacts of new or improved infrastructure on built and natural designations and the potential to encourage use of private vehicles. Where negative impacts have been identified the environmental assessments of the sites have included mitigation measures or SEA suggested alterations to address these negative impacts.

3.8. Cumulative Impacts

- 3.8.1. Following the assessment of each of the components of the LTS an assessment of the cumulative effects is carried out. Cumulative effects can arise from the combined effects of Strategies, as well as a result of interaction between different components of a single Strategy. For example, where several developments each have insignificant effects but together have a significant effect, or where several individual effects of the PPS have a combined effect.
- 3.8.2. It should be noted that, with the implementation of the proposed mitigation measures suggested in each of the individual local opportunities assessments, the effects for each of the environmental factors are likely to be neutralised and other effects could potentially become more positive in nature.
- 3.8.3. The cumulative, secondary and synergistic effects of the LTS Transport Planning Objectives and Planning Options have been determined as detailed below. As the Options are defined by community areas, the cumulative effects for each community have been outlined in Tables 7 11 as well as the impact of the Strategy as a whole for East Dunbartonshire.

Environmental Factor	Cumulative, Secondary & Synergistic Effects				
Population & Human Health	Overall minor and major positive impacts including:				
	Better access to the wider environment for leisure and				
	business purposes as a result of improved transpor				
Material Assets	networks and				
	 Smarter travel options including active travel, public 				
	transport and Car Clubs				
Cultural Heritage	No significant impacts identified				
Biodiversity, Flora & Fauna	No significant impacts identified				
Soil & Geology	No significant impacts identified				
Landscape	No significant impacts identified				
Water Quality	No significant impacts identified				
Air Quality	Overall minor positive impacts, with the potential for significant				
	effects, including:				
	A modal shift away from vehicular based travel through				
	the promotion of active travel alternatives which in turn				
Climatic Factors	will contribute to a reduction in air pollution and carbon				
cimatic ractors	emission levels and				
	A positive influence on traffic flow, particularly in relation				
	to actions relating to Urban Traffic Control Systems,				
	public realm improvements and road narrowing.				

Table 7 – Area Wide Cumulative, Secondary & Synergistic Effects

Table 8 – Bearsden & Milngavie Cumulative, Secondary & Synergistic Effects

Environmental Factor	Cumulative, Secondary & Synergistic Effects		
Population & Human Health	Overall minor and major positive impacts including:		
	 Better access to the wider environment for leisure and business purposes as a result of improved transport 		
Material Assets	networks and		
	 Smarter travel options including active travel and improved accessibility to public transport facilities 		

Cultural Heritage	Cumulative minor negative impacts in relation to the implications
Cultural Hentage	
	of new parking options on the A81 corridor at existing rail stations
	and the potential construction of a new rail station at the Allander
	due to impacts on Conservation Areas and Townscape Protection
	Areas both within Milngavie and Bearsden town centres, as well
	as potential impacts to the Antonine Wall World Heritage Site
	Buffer Zone.
Biodiversity, Flora & Fauna	No significant impacts identified
Soil & Geology	No significant impacts identified
Landscape	No significant impacts identified
Water Quality	No significant impacts identified
Air Quality	Overall minor positive impacts including:
	A modal shift away from vehicular based travel through
	the promotion of active travel alternatives which in turn
	will contribute to a reduction in air pollution and carbon
	emission levels.
Climatic Factors	However a number of negative impacts were identified, notably
	in relation to new parking options on the A81 corridor at existing
	rail stations and the potential construction of a new rail station at
	the Allander. These include:
	 Localised increased traffic, especially at peak times, to
	access such facilities and
	 Impacts to the flood risk area located along the A81 and
	near the Allander.

Table 9 – Bishopbriggs, Torrance, Balmore & Bardowie Cumulative, Secondary & Synergistic Effects

Environmental Factor	Cumulative, Secondary & Synergistic Effects				
Population & Human Health	Overall minor and major positive impacts including:				
	 Better access to the wider environment for leisure and business purposes as a result of improved transport networks Better transport connections in areas such as Auchinairn 				
Material Assets	 Improved transport options as part of the City Deal project, including a potential rail station at Westerhill, and 				
	 Smarter travel options including active travel and improved accessibility to public transport facilities 				
Cultural Heritage	No significant impacts identified				
Biodiversity, Flora & Fauna	No significant impacts identified				
Soil & Geology	No significant impacts identified				
Landscape	No significant impacts identified				
Water Quality	No significant impacts identified				
Air Quality	Overall minor positive impacts, with the potential for significant				
	effects, including:				
	 A modal shift away from vehicular based travel through the promotion of active travel alternatives which in turn will contribute to a reduction in air pollution and carbon emission levels and 				

•	Active AQMA	monitoring	and	management	of	Bishopbriggs

Table 10 – Kirkintilloch, Lenzie, Waterside and Twechar Cumulative, Secondary & Synergistic Effects

Environmental Factor	Cumulative, Secondary & Synergistic Effects					
Population & Human Health	Overall minor and major positive impacts including:					
	 Better access to the wider environment for leisure and business purposes as a result of improved transport networks. The options within the Hillhead & Harestanes Place Plan will, in particular, result in cumulative and 					
Material Assets	 Smarter travel options including active travel and improved accessibility to public transport facilities, particularly in the Kirkintilloch/Lenzie/Woodilee area. 					
Cultural Heritage	No significant impacts identified					
Biodiversity, Flora & Fauna	No significant impacts identified					
Soil & Geology	No significant impacts identified					
Landscape	No significant impacts identified					
Water Quality	No significant impacts identified					
Air Quality	 Overall minor positive impacts, with the potential for significant effects, including: A modal shift away from vehicular based travel through the promotion of active travel alternatives which in turn will contribute to a reduction in air pollution and carbon emission levels 					

Table 11 – Lennoxtown, Milton of Campsie, Haughhead & Clachan of Campsie Cumulative, Secondary & Synergistic Effects

Environmental Factor	Cumulative, Secondary & Synergistic Effects				
Population & Human Health	Overall minor and major positive impacts including:				
	 Better access to the wider environment for leisure and business purposes as a result of improved transport networks 				
Material Assets	 Improved public realm to support improved accessibility for pedestrians and 				
	 Smarter travel options including active travel and improved accessibility to public transport facilities 				
Cultural Heritage	No significant impacts identified				
Biodiversity, Flora & Fauna	No significant impacts identified				
Soil & Geology	No significant impacts identified				
Landscape	No significant impacts identified				
Water Quality	No significant impacts identified				

Air Quality	Overall minor positive impacts, with the potential for significant
	effects, including:
	A modal shift away from vehicular based travel through
	the promotion of active travel alternatives which in turn
	will contribute to a reduction in air pollution and carbon
	emission levels and

3.9. Influence of SEA on the Local Transport Strategy

- 3.9.1. Through each of the assessments for the Strategic Direction, Transport Planning Objectives and Transport Options there have been notable examples of the positive influence of SEA on the development of the LTS including the acceptance of a number of SEA suggested alterations, the inclusion of SEA preferred options and the integration of proposed mitigation measures in to the Strategy. The SEA preferred options were fed back to the LTS stakeholders and an agreement was made to adopt these into the final draft of the LTS.
- 3.9.2. However, the SEA preferred option was not accepted as the Strategy preferred option for all options assessed; these were Option 31 Alternatives 1 and 2. Therefore justification for this decision was requested and provided by the Strategy development officer. The reason for these decisions are outlined in **Table 12**.

Option	Wording	Justification
Option 31	Investigate the design and	The option of expanding the rail station car
LTS preferred	implementation requirements	park at Milngavie was the preferred option in
alternative	of parking options at rail	the 2018 A81 Options Appraisal Study.
	stations on the A81 corridor	However, some more detailed analysis is
		required to assess the feasibility of delivering
		this option at Milngavie and at other stations
		on the A81 corridor.
		The option of extending the Bears Way was
		the second highest scoring option in the 2018
		A81 Options Appraisal Study so was included
Option 31	Extension of segregated Bears	as an alternative option. However, in
SEA preferred	Way cycleway (phases 2 and 3)	September 2016, the Council voted to halt
alternative		progress on this project and there has been
		no decision taken since to continue the
		project, therefore it will not be included in
		the draft LTS.

Table 12 – Justification for not taking forward SEA Preferred Options

- 3.9.3. The SEA process has influenced the Strategy direction of the LTS by ensuring that the additional elements proposed within the SEA preferred vision are incorporated into the Transport Planning Objectives and Transport Options.
- 3.9.4. Mitigation measures have also been identified as part of the assessments where appropriate and discussed with the relevant stakeholders in order to avoid adverse impacts, reduce the significance of the effects or enhance neutral or positive impacts. Mitigation has also taken the form of suggested alterations to the wording of the Objectives and Options considered and project level mitigation.

4.1. Mitigation Measures

- 4.1.1. Schedule 3 paragraph 7 of the Environmental Assessment (Scotland) Act 2005 require that the Environmental Report includes the measures envisaged to prevent, reduce and, as fully as possible, offset any significant adverse effects on the environment of implementing the Local Transport Strategy (LTS).
- 4.1.2. Mitigation measures have been proposed and incorporated into each of the assessments, where necessary, in order to avoid, reduce, mitigate or offset any potential adverse environmental impacts and enhance any neutral or positive environmental impacts identified. For the assessment of the LTS, mitigation has been incorporated into the assessments which have led to the adoption as the Strategy preferred option in the majority of cases.
- 4.1.3. The SEA suggested alterations and mitigation measures will be used to inform the delivery of individual projects to ensure that the SEA information is integrated into the project level in an efficient process.
- 4.1.4. Where the mitigation proposed does not relate to modification to the Strategy itself the proposed mitigation measures have been set out in Table 13 to clearly identify: (1) the impacted and (2) the measures required. The lead authority for implementing such measures will be determined by who is delivering the option.

Issue/Impact Identified in the Environmental Assessment	Mitigation Measure
Waste from construction and changes to	Good practice guidance should be followed
infrastructure	relating to construction dust and waste
	management e.g. environmental protection
	standards, good codes of practice, construction
	principles and design guides. Waste should be
	reused or recycled where possible.
Short-term disruptions to routes and the use of	Where disruption to routes and bus
facilities e.g. bus stops/shelters	stops/shelters occurs arrangement should be
	made to provide alternative infrastructure in
	the short-term
Impacts to cultural heritage assets including	Minimise and monitor any ground disturbance
restricting access	and incorporate design measures in order for
	required infrastructure improvements and
	maintenance to be carried out in a sensitive
	and sustainable manner to avoid or minimise
	any impacts on the historic environmental
	assets or their setting.
	Ensure appropriate and responsible access to
	heritage assets.
Changes to existing public realm and transport	Avoid or reduce impacts by improving the
network resulting in adverse effects on the	quality, design and appropriateness of street
character and quality of conservation areas	furniture, lighting, road signs, safety features,
	public transport facilities (bus stops) and by
	reducing street clutter.

Table 13 – Proposed Mitigation Measures

Impacts relating to new or altered infrastructure on species and habitats with the potential to impact on features of ecological value	Additional surveys to determine level and type of species/habitats that will be potentially impacted from the intended outcomes such as bat surveys/extended habitat surveys etc. Any infrastructure changes/improvements should aim to retain features of ecological value within the design. The highest priorities for protection such as woodland, riparian habitats, ponds, wetlands etc. should be considered and any impact prevented The materials used should be considerate of the surrounding environment
Impacts of construction on geological and soil assets including peat	Further surveys of peatland/carbon rich soils should be carried out to ensure construction activities achieve outcomes which will not devalue protected soil. Implement soil erosion prevention measures outlined in good practice guidance where necessary.
New or alterations to existing road and path networks on the existing landscape	Integration of high environmental and design standards that maintain existing landscape distinctiveness and will be consistent with the Local Development Plan.
Impacts on drainage, surface water and flood risk areas as a result of new or altered road and path networks	Control and treatment of surface run-off Adoption of best practise to prevent/minimise adverse impacts to drainage Further Flood Risk Assessments to determine extend of flood risk in the area and the implementation of flood risk management measures, if required Ensure all new transport interventions and transport improvement works will implement appropriate measures to minimise pollution from surface water run off e.g. oil separators and silt traps.
Transport network improvements impacting on local air quality	Ensure road improvements are designed with due regard to areas of poor air quality e.g. AQMAs. Should changes in road alignment be proposed, it is important to ensure, where practicable, that the distance between road traffic and sensitive receptors is not significantly reduced. Where the opportunity presents itself, the distance between road traffic and sensitive receptors with poor air quality should be increased in order to improve local air quality at these receptors.

4.2. Monitoring

- 4.2.1 Through Section 19 of the Environmental Assessment (Scotland) Act 2005, East Dunbartonshire Council is required to monitor significant environmental effects of the implementation of the LTS. The monitoring should be implemented to enable the identification of any unforeseen adverse effects at an early stage to allow the appropriate remedial action to be implemented.
- 4.2.2 The specific measures that are to be taken to monitor the significant environmental effects of the implementation of the LTS will form part of the Post-Adoption Statement, prepared as soon as reasonably practicable after the adoption of both documents in accordance with Section 18 of the Act. It is envisaged that the following indicators will be included within the monitoring framework.
- 4.2.3 The proposed SEA monitoring framework (**Table 14**) will directly align with the monitoring framework for the LTS. The progress being made in the delivery of each action contained within the action plan will be monitored throughout the lifetime of the Strategy. The progress being made in delivering on the six Transport Planning Objectives will also be monitored by recording progress being made across a number of indicators. These indicators are provided through national, regional and local datasets as well as information recorded by the Council delivery services.

Mode	Theme	Indicator	Source	Baseline	Link to Transport Planning Objective(s)
Active Travel	Travel to school	Proportion of pupils who walk to school	Hands Up Scotland Survey	43.4% (2018)	1, 5
		Proportion of pupils who cycle to school	Hands Up Scotland Survey	3.1% (2018)	1, 5
	Travel to work	Proportion of East Dunbartonshire residents who walk to work	National Census	4.8% (2011)	1, 5
		Proportion of East Dunbartonshire residents who cycle to work (Average 2013-2017)	Travel and Transport in Scotland	1.4% (2013-2017 average)	1, 5
	Frequency of walking	Adults (16+) – frequency of walking as a means of transport in previous 7 days	Travel and Transport in Scotland	No days – 36.2% 6-7 days – 13.9% (2016)	1, 5
	Training	Number of children trained in	East Dunbartonshire Council	Level 1 – 344 Level 2 – 333	5, 6

 Table 14: Proposed SEA Monitoring Framework for the LTS

Mode	Theme	Indicator	Source	Baseline	Link to Transport Planning Objective(s)
		Bikeability cycle training		(2016/17)	
	Training	Proportion of primary schools delivering Level 2 Bikeability cycle training	East Dunbartonshire Council	22% (2016/17)	5, 6
	Cycle counts	Number of people passing cycle counters in EDC	East Dunbartonshire Council / Sustrans / Scottish Canals	Various levels across separate counters	1, 5
Public transport	Bus services	Adults (16+) use of local bus services in the previous month	Travel and Transport in Scotland	Every day or almost every day – 6% Not used in the past month – 64.2%	1
	Rail patronage	Estimated entries and exits at stations	Office of Rail and Road	(2017) Bearsden – 542,322 Bishopbriggs – 772,256 Hillfoot – 317,556 Lenzie – 885596 Milngavie – 940026 Westerton – 783,084 (2017/18)	1
	Travel to work	Proportion of East Dunbartonshire residents who travel to work by bus	National Census	7.4% (2011)	1,3
		Proportion of East Dunbartonshire residents who travel to work by train	National Census	8.4% (2011)	1, 3

Mode	Theme	Indicator	Source	Baseline	Link to Transport Planning Objective(s)
Roads	Road traffic	Vehicle kilometres travelled on EDC roads	Scottish Transport Statistics	581 million km (2017)	3
	Road counts	Number of vehicles on specific roads	East Dunbartonshire Council	Various levels across separate counters	3
	Road condition	Rating of EDC road conditions by traffic light systems	East Dunbartonshire Council	Red (all roads) – 6% Amber (all roads) – 29%	6
	Travel to work	Proportion of East Dunbartonshire residents who travel to work by car	National Census	67.7% (2011)	3
	Frequency of driving	People aged 17+ frequency of driving	Travel and Transport in Scotland	Every day – 41.7% Less than once a month – 0.9%	3
Parking	Use of EDC Car Parks	Use and turnover of EDC Charged car parks	East Dunbartonshire Council	(2017) Various levels across town centre car parks	1
	Use of EV charging points	Total number of charging events / kwh charged	East Dunbartonshire Council / Scottish Government	Various levels across individual charging points	1, 3
All modes	Inequalities	Overall SIMD ranking for EDC and geographic access ranking	Scottish Index for Multiple Deprivation		2
	Employment	Level of employment by type in East Dunbartonshire	NOMIS		4
	Employment	Growth of employment sectors	Scottish Government		4

Section 5: Statutory Consultation and SEA Timetable

5.1. Statutory Consultation

5.1.1. The statutory consultation for this SEA document and corresponding Local Transport Strategy (LTS) is:

September – October 2019

5.1.2. Responses should be submitted through email or post to the following addresses:

Email: <u>sustainability@eastdunbarton.gov.uk</u>

Post: Sustainability Policy Place, Neighbourhood and Corporate Assets East Dunbartonshire Council Broomhill Industrial Estate Kilsyth Road Kirkintilloch G66 1TP

5.2. SEA Timetable

- 5.2.1. The SEA activities to date and approximate timetable for the LTS and further SEA stages are summarised below (**Table 15**). The SEA process has aligned with the development stages for the Strategy itself.
- 5.2.2. Please note that the anticipated timescales for the completion of further SEA stages and the Strategy may require to be extended if contributions from the Outcome Delivery Groups are delayed or are reallocated due to failure of Partners to deliver them.

Strategy Preparation Stages	SEA Stages	Timescale & Consultation Period, if required
Preliminary Assessment and Survey / Research work as part of the Transport Options Report	 Scoping Report: Collate and forecast baseline environmental information Adopt SEA environmental objectives and criteria 	 March – June 2016 (research and draft) Scoping Report submitted to the SEA Gateway on 8th June 2016 5 week period of Consultation with the Consultation Authorities.
Prepare Draft Plan	 Environmental Assessment: Assess the LTS Strategic Direction and Transport Planning Objectives Assess Transport Options 	• June 2016 – July 2019

Table 15: Consultation and SEA timetable

	 Assess alternatives to the LTS and options considered Prepare Draft Environmental Report 	
Publish & Consult on Draft Plan	Publish & Consult on Draft Environmental Report	 Seeking Committee Approval for the Draft Strategy and ER at Place, Neighbourhood and Corporate Assets Committee 29th August 2019 Submission of the Draft ER to the CA's September 2019 (6 week consultation)
Adopt Plan	Produce Post-Adoption Statement and publish along with the adopted Finalised LTS	 Final Strategy aiming to publish in January 2020 Submission of Post- Adoption Statement to the CAs February/March 2020
Monitor & Review	Monitor and Review	On-going/Annual review Public report to be produced by Policy Officer in 2022

Section 6: Appendices

Appendix A	Initial list of the International, European Community and National Protection, Regional and Local Objectives
Appendix B	Consultation Reponses to the Scoping Report
Appendix C	SEA Assessment Criteria and Questions

Appendix D Assessment of Transport Options

Appendix A – Relevant Policies, Plans, Programmes, Strategies, Legislation and Environmental Protection Objectives

Please note that this appendix lists key legislation, plans, programmes, policies and strategies that influence or are influenced by the Local Transport Strategy. Their content, where appropriate, has been used to inform the environmental objectives for the SEA of the Plan.

Relevant PPS and Legislation	Summary / Objectives or requirements	How objectives and requirements influence or are influenced by the Local Transport Strategy
	International	
Rio Declaration (1992)	The Declaration sets out 27 principles to enable the global community to work towards international agreements that respect the interests of all and protect the integrity of the global environmental and developmental system. The Declaration highlighted the necessity to protect and enhance the environment, economics and social aspects in both developed and developing countries.	The LTS will demonstrate a commitment at a local level to realise economic, social and environmental wellbeing as much as possible for the residents and visitors of East Dunbartonshire.
Johannesburg Declaration (2002)	The Johannesburg Declaration on Sustainable Development. The 2002 Declaration built upon the principles established through the Rio Declaration and further developed principles of sustainable development and sought international commitment to these Sustainable Development Principles.	Within the LTS, all outcomes will be guided by sustainable development principles.
	National	
Local Government in Scotland Act 2003	This Act describes the way in which local authorities discharge their functions and about the local provision of certain public services; to give local authorities power to do things which they consider will advance well-being; to provide exemptions and reliefs from non-domestic rates in relation to certain lands and heritages; to confer power on the Scottish Ministers to combine certain lands and heritages for the purposes of assessing rateable value; to require local authorities to prepare, and endeavour to implement, a plan relating to the carrying out of their waste disposal and collection functions; to make new provision about	The Local Government in Scotland Act 2003 set the statutory basis for community planning in which the Community Empowerment (Scotland) Act 2015 stems from.

	the capital expenditure of those authorities and about the making of capital grants to them; to make some miscellaneous provisions connected with the functions of local authorities; and for connected purposes.	
Community Empowerment (Scotland) Act 2015	The Community Empowerment Act will help to empower community bodies through the ownership of land and buildings, and by strengthening their voices in the decisions that matter to them. It will also improve outcomes for communities by improving the process of community planning, ensuring that local service providers work together even more closely with communities to meet the needs of the people who use them. The Act does a number of things including: extending the community right to buy, making it simpler for communities to take over public sector land and buildings, and strengthening the statutory base for community planning. Crucially it can help empower community bodies through the ownership of land and buildings and strengthening their voices in the decisions and services that matter to them.	The Community Empowerment (Scotland) Act 2015 replaced Local Government in Scotland 2003 as the primary legislative provision for community planning. Part 9 of the Community Empowerment (Scotland) Act 2015 relates specifically to Allotments and sets out definitions for an allotment, the requirements for local authorities to provide allotments, maintain a list for local demand, leasing opportunities and maintenance of access to allotments. Specific for the preparation of a Local Transport Strategy, the Act sets a duty upon all local authorities in Scotland to prepare a food-growing strategy, review the strategy every 5 years and as part of the strategy conduct an annual allotments report with the details of all of the different allotments in the local authority's area. The Act is the main driver behind the preparation of the Local Transport Strategy for East Dunbartonshire.
National Planning Framework 3	 The National Planning Framework 3 is the Scottish Government's Strategy for the long term development of Scotland's towns, cities and the countryside. It sets out key planning outcomes for Scotland: A successful sustainable place – supporting economic growth, regeneration and the creation of well-designed places A low carbon place – reducing our carbon emissions and adapting to climate change A natural resilient place – helping to protect and enhance our natural cultural assets and facilitating their sustainable use A connected place – supporting better transport and digital connectivity 	A sustainable, low carbon and natural resilient place are the most relevant outcomes that the Local Transport Strategy is likely to align with.

Scottish Planning Policy (SPP)	 The consolidated SPP provides a shorter, clearer and more focused statement of national planning policy. The SPP and NPPG series has been replaced by a single SPP. As part of the commitment to proportionate and practical planning policies, the Scottish Government has rationalised national planning policy. The SPP sets out: the Scottish Government's view of the purpose of planning, the core principles for the operation of the system and the objectives for key parts of the system, statutory guidance on sustainable development and planning under Section 3E of the Planning etc. (Scotland) Act 2006, concise subject planning policies, including the implications for development planning and development management, and The Scottish Government's expectations of the intended outcomes of the planning system. 	Scottish Planning Policy (SPP) outlines the need for community engagement, sustainable development, and contributions towards the requirements of the Climate Change (Scotland) Act 2009. It also lists open space and physical activity as a key priority for Scotland's planning system which the Local Transport Strategy is likely to contribute to.
Scottish Government National Outcomes	 Fifteen National Outcomes were set for the Scottish Government, and were updated in 2011. These include: We live in a Scotland that is the most attractive place for doing business in Europe. We realise our full economic potential with more and better employment opportunities for our people. 	 Of the 15 National Outcomes, the outcomes that will link to the Local Transport Strategy are: We are better educated, more skilled and more successful, renowned for our research and innovation. We live longer, healthier lives. We have improved the life chances for children, young people and families at risk.

 support when they need it. Our public services are high quality, continually improving, efficient and responsive to local people's needs.
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	Placemaking Principle: Adaptable	
Clydeplan 2016	 Supporting a Successful and Sustainable city region, Natural, Resilient city region Supports the 'compact city' model with priority given to brownfield locations supporting low energy consumption and higher residential density within a mixed land use context Contributes towards the delivery of the Glasgow and Clyde Valley Green Network in particular and support for community growing. Supports the 'town centre first principle', where multiple uses and activities including housing, retail employment and community facilities are clustered in accessible locations in support of the centres role and function. 	By setting the spatial vision for planning at a regional level and the planning outcomes it aims to achieve align with Scotland's national outcomes and helps to inform the local interpretation for planning. This will need to be reflected within the LTS.
Sow and Grow Everywhere (SAGE) Strategy	 SAGE (Sow And Grow Everywhere) Strategy was a visionary initiative focussed on bringing changes to community food growing in the Glasgow and Clyde Valley (GCV) area. It was partnered by the GCV Green Network Partnership exploring the following: bringing vacant and derelict land in densely populated urban areas into use for growing as an interim land use bringing underused land (amenity space) in peripheral estates and social housing areas ('green desert') into use at scales up to market garden growing bringing under used private garden space in suburban or outlying areas into use for growing bringing under used public land into active use for growing The Strategy provided the template for Glasgow City Council's Stalled Space initiative and launched several projects including: Shettleston Community Growing project - for Glasgow City Council / Shettleston Housing Association 	East Dunbartonshire Council's Local Transport Strategy will be able to reflect, where possible, the principles explored in the SAGE Strategy.

Other Authority Best Practice	 Greyfriar's Gardens - for Glasgow City Council / Merchant City Community Council Gartnavel Growing Space - for NHS Greater Glasgow & Clyde / Forestry Commission Scotland Partick Growing Space - for Partick Housing Association Bellsmyre Growing Space - for the Bellsmyre Community Garden Association Possil Health Centre - with the Green Exercise Partnership (Forestry Commission Scotland /Scottish Natural Heritage /NHS collaboration) & the NHS Greater Glasgow & Clyde The other authorities to which this would relate include: Cultivating Communities: A Growing Challenge. (An allotments strategy for the City of Edinburgh 2010-2015 Belfast Outdoors – Growing Communities: A Citywide Strategy for Belfast 2012-2022 	The content of other authorities' successful strategic actions have the potential to positively influence the outcomes of the EDC LTS and should be taken into account where appropriate.
	Brighton and Hove Allotments Strategy 2014-2024	
	Local (East Dunbartonshire Co	The most relevant elements of the LOIP which will help to drive
East Dunbartonshire Community Planning Partnership Local Outcome Improvement Plan (LOIP)	The LOIP reiterates the strategic direct, priorities and outcomes for East Dunbartonshire Council that will be delivered in partnership with the Community Planning Partners. It sets a vision for East Dunbartonshire <i>'Working together to achieve the best with the people of East Dunbartonshire.'</i> The LOIP also hosts a number of Local Outcomes and Guiding Principles for the Community Planning Partners to adhere to and strive for.	 forward the LTS are throughout East Dunbartonshire, include: Local Outcome 5: Health and Wellbeing – Our people and communities enjoy increased physical and mental health and wellbeing. Guiding Principle 1: Planning for Place We will target resources where they are most needed to reduce disadvantage caused by socio-economic inequality. Guiding Principle 2: Sustainability - We will create the conditions for a better quality of life for East Dunbartonshire residents, by recognising the importance of the quality of our built, natural and historic environment in improving the health and

		wellbeing of our communities. Our environments must also support sustainable economic growth in our communities. We will protect and enhance our local natural environment, build resilience to a changing climate, use natural resources prudently and consider the long term implications of our decisions for present and future generations.
Locality Plans	The Locality Plans respond to a series of Place consultation and community engagement events in each of East Dunbartonshire Council's areas of multiple deprivation to identify the needs of the local community. Overall the Plans will prioritise an approach to improving the outcomes for children, young people, families and the adult population within each area of deprivation. The Locality Plans respond to the requirements of the Community Empowerment (Scotland) Act 2015 and will be a distinctive local expression of the Vision, Outcomes and Guiding Principles of the emerging Local Outcome Improvement Plan (LOIP).	Although not exclusively, the Local Transport Strategy will aim to increase provision and access to food growing opportunities in areas identified as being socially-economically disadvantaged in line with the areas targeted in the Locality Plans. The Locality Plans and Local Transport Strategy should complement each other where the localities of Auchinairn, Hillhead and Harestanes, Twechar and Lennoxtown are focussed on.
Local Development Plan 2017 – 2022	The LDP for East Dunbartonshire sets the framework for the growth and development of East Dunbartonshire up to 2022 and beyond and establishes a presumption in favour of development that contributes to sustainable development as defined in Scottish Planning Policy.	Outlined within the proposed Local Development Plan (LDP) is support for new and/or improved community facilities and open space. In particular, Policy 7: Community Facilities and Open Space support provision within the green belt of a compatible scale and character with the landscape such as growing spaces. The Plan also states that more information on growing spaces will be outlined in a Community Growing Space Strategy (now referred to as the Local Transport Strategy) and Green Infrastructure and Green Network Planning Guidance. In addition, there is reference to King George V Park, Etive Park, Ashburn Gardens and Craigfoot Field as opportunities for further consideration as growing spaces as proposed in EDC's Open Space Strategy.
Local Development Plan – Developer	The draft LDP Developer Contributions Supplementary Guidance provides detail on the developer contributions that will be sought in determining relevant planning applications. In terms of open	Monies must be spent on projects relevant to the nature by which the contribution was sought and all other necessary requirements of Scottish Government Circular 3/2012: Planning

Contributions	space provision the following contribution requirements for	Obligations and Good Neighbour Agreements so there is
Supplementary	residential developments are set out as:	potential scope for this to apply to food growing projects.
Guidance 2017	 Play Space- £730 per unit 	
	 Open Space of Local Importance- £180 per unit 	
	 Open Space/ Green Network of Neighbourhood 	
	Importance- £310 per unit	
	Open Space/ Green Network of Regional/ Strategic	
	Importance- £310 per unit (sites of over 50 dwellings only)	
	The SCCF is intended as a foundation for considering how Council	
	policies, programmes, plans and strategies can contribute to the	
	delivery of the Council's main sustainability priorities:	
	 Zero carbon: reducing carbon emissions 	
	 Maximising resilience to the impacts of climate change 	Of these main sustainability priorities, the Local Transport
Sustainability and	 Zero waste: reducing material use and waste generation 	Strategy is likely to contribute towards zero waste, reversing
Climate Change	Reversing biodiversity decline	biodiversity decline, sustainable materials, maximising
Framework 2016	Sustainable materials	opportunities to promote health and wellbeing, supporting
	Maximising opportunities to promote health and	fairness and reducing inequality locally and globally and
	wellbeing	promoting community empowerment.
	 Supporting fairness and reducing inequality locally and globally 	
	 Promoting community empowerment 	
	 Supporting local businesses. 	
	The CAT Policy intends to define a set of rules and a procedure for	
	dealing with community asset transfer requests under part 5 of	
	the Community Empowerment (Scotland) Act 2015 taking into	
	account the requirements set out within the Asset Transfer	As the Local Transport Strategy is likely to encourage community
Community Asset	(Procedure)(Scotland) Regulations 2016 and associated guidance	empowerment to take establish and take on the management of
Transfer Policy	that came into effect 23rd January 2017. Whilst the CAT Policy will	food growing initiatives, the Community Asset Transfer Policy
	demonstrate some links to East Dunbartonshire's Council	will support community groups to achieve this.
	Corporate Asset Management Plan (CAMP), the Policy will not be	
	directly governed by existing procedures within the CAMP as it will	

	set out its own specific procedure related to the transfer of Council owned assets to community groups.	
Open Space Strategy 2015- 2020	The East Dunbartonshire Open Space Strategy (2015 – 2020) replaced the East Dunbartonshire Greenspace Audit and Strategy 2004. It sets the framework for current and future open space provision in the Council area, meeting the requirement of Scottish Planning Policy for local authorities to prepare an Open Space Audit and Strategy. It also contributes to the development of the Central Scotland Green Network, promoted in the National Planning Framework 3. The Strategy will be reviewed and updated every 5 years.	The Open Space Strategy (2015 – 2020) provides the Council's Open Space Planning team with a viable and enforceable tool to define open space requirements and establish requirements for new open space from development proposals together with the scale and nature of any planning obligations. The OSS aspires for local access to allotments and community growing spaces, recognising them as a key open space provision in East Dunbartonshire. The Strategy also identifies existing allotment sites and indicates sites that would be potentially feasible as allotments or community growing spaces in the future with development. These should be considered in the development of the Local Transport Strategy.
Green Network Strategy 2017- 2022	The purpose of the Green Network Strategy (GNS) is to define the existing strategic green network in East Dunbartonshire using GIS mapping analysis to identify opportunities for the enhancement of the existing green network in both urban and rural locations. The opportunities mapping methodology will guide the identification of areas that are eligible for the expansion and/or enhancement of the green network in order to improve habitat connectivity, increase active travel provision and enhance access to open spaces, as well as health and wellbeing benefits and opportunities for adaptation to the effects of climate change.	The Green Network Strategy provides the Council with a viable and enforceable tool to define green network opportunities and will establish requirements for new green network open opportunities from development proposals together with the scale and nature of any planning obligations. The Local Transport Strategy will add to the beneficial elements of the Green Network Strategy by encapsulating the role of access to the outdoors and local environment for enhanced biodiversity value, outdoor provision and health and wellbeing.
Local Biodiversity Action Plan 2017- 2021	The Local Biodiversity Action Plan (LBAP) 2016 – 2020 takes a strategic approach to protecting biodiversity across the East Dunbartonshire Council-wide area, including Mugdock Country Park (Stirling Council and the Joint Committee for the Park were involved in issues related to the Park). The LBAP recognises the importance of biodiversity at both a national and a local level. The production of a new LBAP replaced the Dunbartonshire Biodiversity Action Plan 2013 (East Dunbartonshire and West	The Local Biodiversity Action Plan provides the Council with a viable and enforceable tool to protect and enhance biodiversity throughout East Dunbartonshire and will establish requirements for biodiversity enhancements and mitigation measures from development proposals together with the scale and nature of any planning obligations. Local food growing can contribute to improving the range of biodiversity at a local level and will contribute to the overall aims of the LBAP. The Local Transport

	Dunbartonshire) for an updated, co-ordinated and targeted approach to the protection and enhancement of biodiversity.	Strategy should also consider the objectives and actions in the LBAP in order to align with it.
	An ecosystem approach was taken in the development of the LBAP, focussing on Urban, Rural, Woodland and Freshwater ecosystems. Each Ecosystem Plan has its own set of objectives and provides information on associated priority habitats and lists the priority species. The actions within the plan tend to take a habitat focused approach to conserving biodiversity but some species that need an additional helping hand or that we need to gather	
Active Travel Strategy 2015- 2020	further survey information for may also have specific actions. This is the first Active Travel Strategy (ATS) for East Dunbartonshire. The ATS supplements the current Local Transport Strategy (LTS) 2013-2017 and sets a framework and evidence base for proposed programmes of active travel projects in East Dunbartonshire. The ATS is a strategy for increasing participation in active travel in East Dunbartonshire spanning five years and will complement and deliver on transport objectives and interventions within the current Local Transport Strategy and feed into the next LTS. The strategy sets out an action plan, accompanied by a map of proposed enhancements, outlining a range of coordinated projects which deliver multiple benefits and value for money for the area.	In support of the Active Travel Strategy, the Local Transport Strategy will aim to identify sites that will support active travel or sustainable modes of transport for access giving communities better options to participate in food growing activities without the need for private car use.

Appendix B – Consultation Authority Responses to the Scoping Report

	HISTORIC ENVIRONMENT SCOTLAND	
		HOW HAS THIS BEEN
ISSUE	COMMENT	ADDRESSED IN THE
- •		ASSESSMENT?
Scope of	We understand that the Local Transport Strategy will identify suitable land for food growing provisions,	Noted
Assessment	and increase, support and encourage community food growing. We note that the historic environment	
and Level of	has been scoped into the assessment. On the basis of the information provided, we are content with this	
Detail	approach and are satisfied with the scope and level of detail proposed for the assessment.	
Consultation	We are content with the minimum six week period which you propose for consultation on the draft	Noted
Period for the	Strategy and the Environmental Report. Please note that, for administrative purposes, we consider that	
Environmental	the consultation period commences on receipt of the relevant documents by the SEA Gateway.	
Report		
	SNH	
		HOW HAS THIS BEEN
ISSUE	COMMENT	ADDRESSED IN THE
		ASSESSMENT?
Scope of	Subject to the specific comments below, we are content with the scope and level of detail proposed for	Noted
Assessment	the environmental report.	
and Level of		
Detail		
Table 1:	European protected species	Noted
Proposed	Please note that badgers and water voles are not European protected species - Badgers are protected	
Environmental	under the Protection of Badgers Act 1992 (as amended) and water voles are protected under the Wildlife	
Baseline Data	and Countryside Action 1981 (as amended). For further information on protected species, please see our	
	website - http://www.snh.gov.uk/protecting-scotlands-nature/protected-species/which-and-how/	
Table 2:	As highlighted in our screening response, the provision of additional land for allotments and other types	Noted
Environmental	of food growing could have negative impacts on biodiversity (e.g. through the loss of existing habitats of	

	seek to enhance sites with little existing biodiversity and habitat value without compromising habitat links	
	and connections to the wider green network.	
Table 5:	Biodiversity, Flora and Fauna	Indicator incorporated
Proposed SEA	We support the draft indicators but recommend that an additional indicator is used to assess the LTS:	into the monitoring
Objectives, Assessment	 Number of biodiversity assets (see Table 1) affected (positively and/or negatively) by the development of community growing assets. 	framework for the LTS.
Questions and Indicators		
Appendix B: Fit for Purpose Assessment Matrix and Criteria	We welcome the inclusion of the assessment matrix and the criteria for biodiversity but recommend that impacts on non-designated habitats of value are also considered e.g. ancient woodland (identified on the Scottish Ancient Woodland Inventory) and native woodland (identified on the Native Woodland Survey of Scotland).	The impacts to ancient and/or native woodland has been reflected in the updated fit for purpose assessment matrix, and although the assessments of potential sites have not been checked retrospectively to determine whether their use would impact such assets, any other additional sites assessed against this matrix will consider it. Further site level assessments will also be required as stated in the LTS for sites taken forward and will consider these potential assets/constraints.
		Ancient woodland in East Dunbartonshire has been

Consultation Period for the Environmental Report	We note a minimum period of six to eight weeks is proposed for consultation on the Environmental Report and we are content with this timescale.	included in the baseline data tables. Noted. HOW HAS THIS BEEN
ISSUE	COMMENT	ADDRESSED IN THE ASSESSMENT?
Comments on the Scoping Report	Our comments regarding Appendix B are in Sections 6.12 and 6.13 below. Our concerns relate to potential pollution of the water environment from selection of sites. Additionally we consider that development within flood risk areas should be avoided and that this should be taken into account in assessing sites.	Noted and amendments made to the 'Fit for Purpose' assessment criteria and any proposals within the flood risk area will be identified and suggested alterations/ mitigation proposed or alternatives identified to avoid flood risk. Flood risk under Climatic Factors is also be part of the stage 2 site assessments.
1.1 Relationship with other Plans, Policies and Strategies (PPS)	Some of the PPS included have themselves been subject to SEA. Where this is the case you may find it useful to prepare a summary of the key SEA findings that may be relevant to the Local Transport Strategy. This may assist you with data sources and environmental baseline information and also ensure the current SEA picks up environmental issues or mitigation actions which may have been identified elsewhere.	A review of PPS which have been subject to SEA was undertaken and lessons learned or elements taken forward into the LTS assessment.

2.1	SEPA holds significant amounts of environmental data which may be of interest to you in preparing the environmental baseline, identifying environmental problems, and summarising the likely changes to the environment in the absence of the PPS, all of which are required for the assessment. Many of these data are now readily available on SEPA's website.	Noted
2.2	Additional local information may also be available from our Access to Information unit at our Corporate Office (Telephone 01786 457700 or email <u>dataenquiries@sepa.org.uk</u>).	Noted
2.3	Other sources of data for issues that fall within SEPA's remit are referenced in our <u>SEA topic guidance</u> notes for air, soil, water, material assets and human health.	Noted
3.1 Environmental Problems	We consider that the environmental problems described generally highlight the main issues of relevance for the SEA topics within our remit.	Noted
4.1 Alternatives	We note that alternatives are still being considered. Any reasonable alternatives identified during the preparation of the plan should be assessed as part of the SEA process and the findings of the assessment should inform the choice of the preferred option. This should be documented in the Environmental Report.	Noted
5,1 Scoping in / out of environmental Topics	We agree that in this instance all environmental topics with the exception of Air Quality should be scoped into the assessment. We noted in our screening response that significant effects on local air quality are not likely and therefore this topic could be scoped out.	Noted
6.1	Including a commentary section within the matrices in order to state, where necessary, the reasons for the effects cited and the score given helps to fully explain the rationale behind the assessment results. This allows the Responsible Authority to be transparent and also allows the reader to understand the rationale behind the scores given.	Noted
6.2	Where it is expected that other plans, programmes or strategies are better placed to undertake more detailed assessment of environmental effects this should be clearly set out in the Environmental Report.	Noted
6.3	We would expect all aspects of the PPS which could have significant effects to be assessed.	Noted
6.4	We support the use of SEA objectives as assessment tools as they allow a systematic, rigorous and consistent framework with which to assess environmental effects.	Noted
6.5	When it comes to setting out the results of the assessment in the Environmental Report please provide enough information to clearly justify the reasons for each of the assessments presented. It would also be helpful to set out assumptions that are made during the assessment and difficulties and limitations encountered.	Noted

	It is helpful if the assessmer measures such as in the example	Noted – Proposed SEA suggested alterations and / or mitigation			
	SEA ISSUES - CHECKLIST QUESTION	Yes or No	Effect	COMMENT and OPPORTUNITIES TO MITIGATE OR IMPROVE	measures integrated into the assessment tables to link with the assessment
6.6	Is the allocation at risk from fluvial or coastal flooding?	Y	Negative	Part of site found to be at risk now removed from allocation.	results.
	Could the allocation have a physical impact on existing watercourses?	Y	Negative	Site dissected by watercourse. Developer Requirements includes statement "watercourse to be integrated as positive feature of the development. No culverting."	
	Can the allocation currently be connected to the public sewerage system?	Y	Positive	Developer Requirement includes statement "connect to public sewer"	
6.8 Design of the Assessment Matrices	We are content with the proposed detailed assessment matrix and particularly welcome the commentary box to fully explain the rationale behind the assessment results. We also welcome the link between effects and mitigation / enhancement measures in the proposed assessment framework and the consideration of mitigation of impacts.			Noted	
6.9 Comments on wording of proposed SEA Objectives	We would recommend that the wording of the following SEA objective(s) be revised as follows: Soil and Geology should refer to carbon rich soils as well as peatland. We note that one of the questions refers to the protection of habitats and species including Invasive Non-Native Species. We do not consider that this is appropriate and should be amended. Water quality should refer to the water environment not just to water bodies.			In addition to peatland, carbon rich soils were included within the criteria question for Soil and Geology environmental factor.	
				Error – Reference to Invasive Non-native	

		species has been removed.
		Water Quality objective was altered to 'To prevent deterioration and, where possible, enhance the water environment.
6.10	When it comes to assessment of the effects of allocations or sites we advocate a rigorous methodology which clearly assesses potential effects on all environmental topics. Our experience in relation to assessment of allocations is that it can be a much easier and useful exercise for the plan-maker if the assessment is made against a range of related questions, rather than directly against the environmental topics. This allows a very practical assessment to take place which clearly highlights the environmental benefits and costs of each individual allocation. As an example, assessing the allocation against the question "Can the allocation connect to public sewage infrastructure?" gives a clear practical view on how this allocation is likely to affect the water environment.	Noted
6.11	We would draw your attention to the joint <u>SEA and development plan site assessment proforma</u> which sets out the issues which we require to be addressed in more detail.	Noted
6.12	We note that Section g of the pre-site assessment referring to Water Quality and Flooding shows that a score of 3/5 will be the minimum score acceptable. The description of this score indicates that sites could potentially lead to impacts on the water body from surface water run off and have an impact on water quality. SEPA consider this to be unacceptable. SUDs are a requirement under The Water Environment (Controlled Activities)(Scotland) Regulations 2011 (as amended) (CAR). Suitable pollution control measures should be employed wherever there is an identifiable risk to the water environment. This should give particular consideration to contaminated surface water run off arising from earthworks, roads, drainage, compounds and any other associated infrastructure.	The fit for purpose matrix has been updated to include mitigation relating to the need for pollution control measures for identified risks to the water environment. In addition, the minimum score has been altered to 4/5, although the sites assessed and included in the LTS have not been retrospectively assessed.

		There will be further opportunities for site investigation when potential allotment sites are reviewed for their suitability by the Council or community groups note interest in using other sites for
		community growing. This matrix will also be used as the initial fit for purpose assessment for any future potential sites where there is interest. All potential sites taken forward into the Strategy have undergone a stage 2 site assessments, incorporating the water environment and flood
		risk through climatic factors.
6.13	Additionally a score of 4/5 indicates that there is the potential to have an impact on groundwater and the water table. SEPA consider this to be unacceptable. Suitable pollution control measures should be employed wherever there is an identifiable risk to the water environment. This includes groundwater (which is 'the water table').	As above.
7.1	We would encourage you to use the assessment as a way to improve the environmental performance of individual aspects of the final option; hence we support proposals for enhancement of positive effects as well as mitigation of negative effects.	Noted
7.2	It is useful to show the link between potential effects and proposed mitigation / enhancement measures in the assessment framework.	Noted

7.3	are prop	• •	itigation measures which hierarchy (avoid, reduce,	Noted		
7.4	assessme	ent is to make chang	es to the plan itself so tha		ts identified through the oided. The Environmental e SEA.	Noted
	extremel measure The inclu	ly helpful to set out s required, (2) when usion of a summary	the proposed mitigation they would be required	n measures in a way that and (3) who will be requ al Report such as that pre	n itself then it would be clearly identifies: (1) the ired to implement them. sented below will help to	Noted
7.5		Issue / Impact Identified in ER Insert effect recorded in ER	Mitigation Measure Insert mitigation measure to address effect etc	Lead Authority Insert as appropriate etc	Proposed Timescale Insert as appropriate	
8.1 Monitoring	consider be helpfu	ation should be give	etc ent of the Act and early ice of indicators. It would envisaged to monitor the	Noted.		
9.1 Consultation Period	We are satisfied with the proposal for a six to eight week consultation period for the Environmental Noted. Report.					Noted.
10.1 Outcomes of the Scoping exercise		ld find it helpful if th nments from the Con	ne scoping outcomes and	Noted – Scoping comments and ER/Strategy amendments noted within this Appendix.		

Appendix C – SEA Assessment Criteria and Questions

Environmental Factor	SEA Objective	SEA Criteria – will the vision/objective/proposal in the LTS?
Population and Human Health	 To improve human health and community wellbeing. 	Demonstrate the benefits of a healthy natural and historical environment on the health and wellbeing of communities? Promote a sustainable environment? Ensure a safe environment for community food growing and recreational purposes? Contribute to reducing social, economic and environmental deprivation in East Dunbartonshire? Encourage active travel, outdoor leisure and ensure access to community food growing provision? Encourage local communities/volunteers to become involved in community food growing based projects (including Community-led/managed sites)?
Cultural Heritage	 To protect, conserve, and where appropriate enhance the historic environment 	Continue to protect and conserve cultural heritage assets?
Biodiversity Flora and Fauna	 To protect, enhance, create and, where necessary, restore biodiversity and encourage habitat connectivity. 	Promote the importance of biodiversity and the natural environment for local communities and health and wellbeing in East Dunbartonshire?Seek to reduce the negative impact on valued biodiversity including non-protected and protected species?Ensure no/minimal impact on important habitat fragmentation?Encourage biodiversity-friendly practices?
Soil and Geology	 To maintain or improve soil quality, prevent any further degradation of soils and conserve recognised geodiversity assets. 	Protect and improve areas of peatland and carbon rich soils?Seek to prevent and improve soil degradation and erosion?Result in improvements or remediation to promote the community use of vacant, derelict and contaminated land?Protect habitats and species that have Protected Species status?

	5.	To protect and, where appropriate, restore	Promote and enhance local distinctiveness and scenic value?
Landscape		landscape character, local distinctiveness and scenic value.	Protect and enhance landscape designations (e.g. the Campsie Fells, Local Landscape Areas, green belt)?
Water Quality	6.	To prevent deterioration and, where possible, enhance the water environment.	Seek to reduce any impacts on the water environment and the ecological status of water bodies in East Dunbartonshire?
	7.	To contribute towards the reduction of Scottish	Promote a change in culture and behaviour to ensure that the local communities are aware of the issues associated with climate change?
Climatic		greenhouse gas outputs in line with Government	Include mitigation and adaptation measures in light of a changing climate and local environment?
Factors		targets in order to reduce or prevent the overall effects of climate change including those related to flood risk.	Seek to protect, create or enhance natural resources for flood alleviation and carbon capture?
	8.	To promote the	Result in improvements or remediation of contaminated land to promote the community use of vacant and derelict land?
Material	-	sustainable use of	Support the use of the existing sustainable transport network specifically active travel routes?
Assets		community assets in	Protect and encourage access to public open spaces for recreation and community based activities?
		East Dunbartonshire.	Support the implementation of low carbon technologies and the use of sustainable materials through design concepts?

	ASSESSMENT TABLE KEY									
+ +	Major Positive		SEA Preferred Option							
+	Minor Positive	•	SEA Preferred Option							
0	Neutral		LTS Preferred Alternative Option							
X	No Significant Effect		LIS Pleiened Alternative Option							
-	Minor Negative									
	Major Negative]								
?	Uncertain									

Area Wide

National and Regional Transport Network

				SEA ENVIE	RONMENTAL	FACTORS				
Options and Alternatives Option Assess	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assess	ment								•	
Option 1	+/?	?	?	?	?	?	+/?	+/?	+/?	
Alternative	Proposed Op	tion: Contrib	ute to the deve	lopment of na	ational and reg	ional transpo	ort strategies a	nd legislatior	 I	
1	Assessment	Commentary								
\checkmark	It is anticipa	ted that regio	nal and nation	al strategies,	including the I	National Tran	sport Strategy	, Transport (S	Scotland) Bill,	
	Strategic Tra	insport Projec	ts Review 2 an	d Regional T	ransport Strat	egy, are likel	y to collective	ly contribute	to all of the	
	Transport Pla	anning Objecti	ves. At a local le	vel, positive ir	mpacts are like	y to be associ	iated with Pop	ulation and H	uman Health,	
	Air Quality, 0	Climatic Facto	rs and Material	Assets in terr	ns of better ac	cess, an impro	oved transport	network and	contributions	
	to smarter ti	ravel options	to reduce poor	air quality an	d impacts asso	ciated with c	limate change	. However, su	ich strategies	
	may not end	courage more	sustainable tra	ansport optic	ons and theref	ore impacts	to these envi	ronmental fac	ctors may be	

	negative. At this stage, the impacts to the other environmental factors is unknown until more details of the implications of	
	the regional and national strategies is known.	
	There is no reasonable alternative to this option. The strategies and legislation will be produced and failure for the Council to contribute and monitor the implications could be detrimental to the Council in the future.	
Option Assess	sment	
Option 2	Proposed Option: Continue to support transport improvements that benefit East Dunbartonshire by improving the	
Alternative	connectivity of the City Region	
1	Assessment Commentary:	
\checkmark	Whilst this option has the potential to generate multiple benefits for East Dunbartonshire residents and stimulate economic	
	growth in central Scotland generally and encourage journey time savings and increase the competitiveness of the region more	
	widely with knock on benefits for local economies, the option is related to areas out with the EDC boundary and will focus on	
	continual support of programmed options. Therefore it has been determined that this option will not require to be assessed	
	at this stage and there are no reasonable alternatives.	

East Dunbartonshire

General

				SEA ENVIR	RONMENTAL	FACTORS				
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assess	ment				•					
Option 3	?/+/+ +	?	?	?	?	?	?/+/+ +	?/+/+ +	?/+/+ +	
Alternative 1	Proposed C	ption: Ensur	e that transport	t and travel p	lanning carrie	d out by the	Council is in I	ine with the L	ocal Transpor.	t
	Strategy's T	ransport Pla	nning Objective	S						
\checkmark		t Commentar	•							
		•	proach will ensu		•	•	-		•	
		-	ojectives and the							
			n Health, Air Qu					-	of the effects	
	to these env		actors, as well a				es taken forwa	ard.		
Option 3	+	X	×	X	X	X	+	+	+	
Alternative 2	Proposed O	ption: Delive	r a pool bike scl	heme for Cou	ncil employee	S				
	Assessment	t Commentar	y:							
	A pool bike	e scheme fo	r employees w	ill enable en	nployees to b	e able to ac	cess other Co	uncil offices,	carry out site	2
	visits, atter	nd meeting e	etc. without ha	ving to rely o	on personal v	ehicle use, p	ool car use o	r public trans	port. This ha	5
	the potent	ial to result i	n minor positiv	ve impacts to	Population a	and Human I	Health, Air Qu	uality, Climat	ic Factors and	k
	Material A	ssets due to	the following	predicted im	pacts:					
	Pot	ential improv	vements to hea	Ith and well	being due to	access to bi	kes for exerci	se and access	s to the wide	r
	env	ironment;								
	• Are	eduction in e	missions from	cars resulting	; in improvem	ents to air q	uality, especia	lly in AQMAs,	which in turi	n
	den	nonstrates po	sitive effects for	r the overall in	mpacts of clim	ate change at	a local level; a	nd,		
	 A sh 	nift in behavio	ur towards mor	e sustainable	modes of trans	sport. This cou	uld impact on p	ersonal lives a	is well as withi	n
	the	work culture								

Active Travel – Walking and Cycling

				SEA ENVI	RONMENTAL	FACTORS				
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Asses	sment								·	
Option 4	+	X	X	X	X	X	?/+	?/+	?/+	\checkmark
Alternative	Proposed Opt	ion: Provisior	of low level cy	cle signals at	traffic signals	at carriagewa	ay crossings w	here appropri	ate	
1	Assessment C	ommentary:								
\checkmark			cle signals at	-	-			•		
			bartonshire by							
		•	grate cycling in means of activ					•	00	
	• •	, .	this option coul	-	•	•	•			
	•		omes of this in	•	•	· · · · · · · · · · · · · · · · · · ·				
Option 4	+	Х	X	X	X	X	?/+	?/+	?/+	
Alternative	Proposed Opt	ion: Impleme	nt toucan cross	sings at all sig	nalised junctio	ons or crossing	g where width	allows	-	
2	Assessment C	ommentary:								
		mentary for C	ption 17 Alterr	native 1.						
Option Asses	sment			1						
Option 5	+	X	X	X	X	X	?/+	?/+	?/+	\checkmark
Alternative 1	• •	tion: Provisio	n of Advanced	Stop Lines (A	ASLs) with lea	d in Cycle Lar	nes at signal c	ontrolled jun	ctions where	
-	appropriate									
	Assessment C	•	hunnend Stop Li	inos (ASLs) an	d load in cyclo	lanos at now	control juncti	ong it will prin	narily honofit	
			dvanced Stop Li is within East Di				•	· ·	•	
	•	•	advantages for		•	-				
	•	•	cyclists turnin	•					•	

	integrate cyclir	•				•	00	• •	, .	
	as a means of a		•	•	•	•			•	
	that this option		• •						he potential	
	outcomes of th	is in promotin	g a more susta	inable transp	ort network ir	cluding less fr	equent car use	2.		
Option 5	X	Х	×	X	X	X	X	X	X	
Alternative	Proposed Opti	on: Do minim	um				I			
2	Assessment Co	ommentary:								
	Through this p	roposed optio	n, it will essent	ially retain th	e current bus	ness as usual	for junction de	evelopment go	ing forward.	
	This option wil	I not be in line	e with encoura	iging active tr	avel alternati	ves, healthy h	abits and outd	loor leisure an	d is likely to	
	encourage add	litional vehicu	lar travel. As	a result, this	s option woul	d result in a	missed opport	tunity to enco	ourage more	
	sustainable tra				•				0	
Option Asses	sment									
Options 6	Proposed Opti	ons: Deliver th	ne Active Trave	el Strategy						
Alternative	Assessment Co	ommentary:								
1	Each of these o	ptions have b	een assessed a	s part of the S	SEA for East D	unbartonshire	Council's Activ	ve Travel Strate	egy and	
	therefore it ha	s been determ	ined that they	will not be as	sessed as part	of the LTS to	avoid duplicati	ion.		
	Proposed Miti	gation:								
	Mitigation for	- these options i	is included in tl	ne Environme	ntal Report fo	r the Active Tr	avel Strategy.			

Public Transport

				SEA ENVIE	RONMENTAL	FACTORS				
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assess	ment									
Option 7	+/+ +	Х	X	Х	X	X	+	+	+/-	\checkmark
Alternative 1	Proposed Op SPT	tion: Continu	e to deliver bus	stop and she	elter improven	nents across I	East Dunbarto	nshire in partı	nership with	
	Assessment	Commentary:								

	Bus stop and	shaltar impro	voments in go	noral will con	tribute to loca	l bus infrastru	turo onhanco	ments on a me	dium to long	
\checkmark		•				impacts to Pop			-	
		•	•		• •	ger experience				
						averages, parti				
						e the effectiver	•			
						y to be second		•		
						ift in transport		•		
	-			-	-	ollution and imp				
							and the second sec			
	Whilst the pr	oposed impro	vement techni	iques are relat	ively small-sca	ale there may l	pe negative im	pacts to Mate	erial Assets in	
		• •		•	•	, ort-term disru	-	•		
	shelters.									
	Proposed Mi	tigation:								
	Whe	re disruption	to routes and	bus stops/sh	elters occurs	arrangements	should be m	ade to provid	le alternative	
	infra	structure in th	e short-term	-		-		-		
	 Good 	Inractice guid	ance should be	e followed rela	ating to constr	uction dust an	d waste mana	gement		
	- 0000	processes Baile				uction dust an		gement		
Option 7	+/0	X	X	X	X	X	X	X	X	
Alternative	+/0	X	X	X	X	X	X	X	X	
	+/0 Proposed Op	X	X	X	X		X	X	X	
Alternative	+/0 Proposed Op Assessment	X tion: Continu Commentary:	X e to provide es	X ssential maint	X enance and cl	X	X infrastructure	X e.		
Alternative	+/0 Proposed Op Assessment This option w	X tion: Continu Commentary: rould be carrie	X e to provide es d out as part o	X ssential maint	X enance and cl agreement be	X leaning on bus	X infrastructure	Eouncil and SPT	Tat a regional	
Alternative	+/0 Proposed Op Assessment This option w and local leve	X tion: Continu Commentary: yould be carrie el which will e	X e to provide es d out as part o nsure that bus	X ssential maint f an on-going a infrastructure	X enance and cl agreement be e remains at a	X leaning on bus	X infrastructure abartonshire C andard to ensu	E. Council and SPT ure that infrast	「at a regional tructure does	
Alternative	+/0 Proposed Op Assessment This option w and local leve not deterior (Population	X tion: Continu Commentary: yould be carrie el which will e ate and disco and Human H	X d out as part o nsure that bus urage the use ealth) is only li	X ssential maint f an on-going a infrastructure e of buses in ikely to be mi	X enance and cl agreement be e remains at a East Dunbart nor positive of	X leaning on bus tween East Dur reasonable sta conshire. Howe r neutral in nat	X infrastructure andard to ensu ever, the ben cure as the op	X council and SPT ure that infrast efits to local tion limits the	Tat a regional tructure does communities possibility of	
Alternative	+/0 Proposed Op Assessment This option w and local leve not deterior (Population a improvemen	X tion: Continu Commentary: rould be carrie el which will e ate and disco and Human H ts which can e	X d out as part of nsure that bus urage the use ealth) is only li ither discourage	X ssential maint f an on-going a infrastructure of buses in ikely to be min ge or prevent f	X enance and cl agreement bef e remains at a East Dunbart nor positive of urther encour	X tween East Dur reasonable sta conshire. Howe r neutral in nat agement of bu	X infrastructure andard to ensu ever, the ben cure as the op s patronage. T	X council and SPT ure that infrast efits to local tion limits the	Tat a regional tructure does communities possibility of	
Alternative 2	+/0 Proposed Op Assessment This option w and local leve not deterior (Population improvemen sustainable t	X tion: Continu Commentary: rould be carrie el which will e ate and disco and Human H ts which can e	X d out as part of nsure that bus urage the use ealth) is only li ither discourage	X ssential maint f an on-going a infrastructure of buses in ikely to be min ge or prevent f	X enance and cl agreement bef e remains at a East Dunbart nor positive of urther encour	X leaning on bus tween East Dur reasonable sta conshire. Howe r neutral in nat	X infrastructure andard to ensu ever, the ben cure as the op s patronage. T	X council and SPT ure that infrast efits to local tion limits the	Tat a regional tructure does communities possibility of	
Alternative 2 Option Assess	+/0 Proposed Op Assessment This option w and local leve not deterior (Population improvemen sustainable t	X tion: Continu Commentary: rould be carrie el which will e ate and disco and Human H ts which can e	X d out as part of nsure that bus urage the use ealth) is only li ither discourage	X ssential maint f an on-going a infrastructure of buses in ikely to be min ge or prevent f	X enance and cl agreement bef e remains at a East Dunbart nor positive of urther encour	X tween East Dur reasonable sta conshire. Howe r neutral in nat agement of bu	X infrastructure andard to ensu ever, the ben cure as the op s patronage. T	X council and SPT ure that infrast efits to local tion limits the	Tat a regional tructure does communities possibility of	
Alternative 2 Dption Assess Option 8	+/0 Proposed Op Assessment This option w and local leve not deterior (Population improvemen sustainable t	X tion: Continu Commentary: rould be carrie el which will e ate and disco and Human H ts which can e	X d out as part of nsure that bus urage the use ealth) is only li ither discourage	X ssential maint f an on-going a infrastructure of buses in ikely to be min ge or prevent f	X enance and cl agreement bef e remains at a East Dunbart nor positive of urther encour	X tween East Dur reasonable sta conshire. Howe r neutral in nat agement of bu	X infrastructure andard to ensu ever, the ben cure as the op s patronage. T	X council and SPT ure that infrast efits to local tion limits the	Tat a regional tructure does communities possibility of	
Alternative 2 Option Assess Option 8	+/0 Proposed Op Assessment This option w and local leve not deterior (Population simprovement sustainable t sment +/+ +	X tion: Continu Commentary: yould be carrie el which will e ate and disco and Human H ts which can e ransport mode X	X d out as part of nsure that bus urage the use ealth) is only li ither discourages in the way in X	X ssential maint f an on-going a infrastructure of buses in ikely to be min ge or prevent f mprovements X	X enance and cl agreement bet e remains at a East Dunbart nor positive of urther encour to bus stops a	X leaning on bus tween East Dur reasonable sta conshire. Howe r neutral in nat agement of bu and shelters wo	X infrastructure andard to ensu- ever, the ben- cure as the op- s patronage. Tould. +/+ +	X council and SPT ure that infrast efits to local tion limits the his would also	Tat a regional tructure does communities possibility of not promote	✓
Alternative 2 Dption Assess Option 8	+/0 Proposed Op Assessment This option w and local leve not deterior (Population a improvemen sustainable t sment +/+ + Proposed Op	X Ation: Continu Commentary: Yould be carried and which will end ate and discond and Human H ts which can end transport mode X	X d out as part of nsure that bus urage the use ealth) is only li ither discourages in the way in X	X ssential maint f an on-going a infrastructure of buses in ikely to be min ge or prevent f mprovements X	X enance and cl agreement bet e remains at a East Dunbart nor positive of urther encour to bus stops a	X leaning on bus tween East Dur reasonable sta conshire. Howe r neutral in nat agement of bu ind shelters wo	X infrastructure andard to ensu- ever, the ben- cure as the op- s patronage. Tould. +/+ +	X council and SPT ure that infrast efits to local tion limits the his would also	Tat a regional tructure does communities possibility of not promote	✓
Alternative 2 Option Assess	+/0 Proposed Op Assessment This option w and local leve not deterior (Population a improvement sustainable t sment +/+ + Proposed Op Assessment	X tion: Continu Commentary: rould be carrie el which will e ate and disco and Human H ts which can e ransport mode X tion: Deployn Commentary:	X e to provide es d out as part o nsure that bus urage the use ealth) is only li ither discourag es in the way ir X nent of Real Ti	X ssential maint f an on-going a infrastructure of buses in ikely to be min ge or prevent f mprovements X me Passenger	X enance and cl agreement between the end of	X leaning on bus tween East Dur reasonable sta conshire. Howe r neutral in nat agement of bu ind shelters wo X (RTPI) systems	X infrastructure andard to ensu- ever, the ben cure as the op s patronage. T ould. +/+ + across East D	X e. Council and SPT ure that infrast efits to local tion limits the this would also + unbartonshire	Tat a regional tructure does communities possibility of not promote	✓
Alternative 2 Dption Assess Option 8	+/0 Proposed Op Assessment This option w and local leve not deterior (Population a improvement sustainable t sment +/+ + Proposed Op Assessment The deploym	X tion: Continu Commentary: Yould be carrie el which will e ate and disco and Human H ts which can e ransport mode X tion: Deployn Commentary: ent of Real Tin	X e to provide es d out as part o nsure that bus urage the use ealth) is only li ither discourag es in the way ir X nent of Real Ti ne Passenger Ir	X ssential maint f an on-going a infrastructure e of buses in ikely to be mig ge or prevent f mprovements X me Passengen nformation (R	X enance and cl agreement bether e remains at a East Dunbart nor positive of urther encour to bus stops a X r Information TPI) across the	X leaning on bus tween East Dur reasonable sta conshire. Howe r neutral in nat agement of bu and shelters wo	X infrastructure andard to ensu- ever, the ben- cure as the op- s patronage. Tould. +/+ + across East D ops and shelte	X e. Council and SPT ure that infrast efits to local tion limits the this would also + punbartonshire rs is anticipate	T at a regional tructure does communities possibility of not promote + e d to promote	✓

							shift towards a and air quality a		able lietwork,	
Option 8	+	X	X	X	X	X	+/+ +	+	+	
ternative	Proposed Opt	ion: Deliver R	eal Time Pass	enger Informa	tion on the A	81 and A803	corridors		1	
2	Assessment C	ommentary:								
	Similarly to th	e previous op	tion this alterr	native is likely	to result in m	inor positive i	impacts to Pop	ulation and H	uman Health	
	by promoting	a more reli	able and attra	active networ	k of sustaina	ble bus trave	el but with pa	articular bene	fits to those	
	communities	that utilise bo	th the A81 an	nd A803 for lei	sure and com	muting purpo	oses. This is als	o likely to res	ult in a more	
							ociated polluta			
						-	•			
	impacts to Air	Quality, Clim	atic Factors a	nd Material As	ssets. There m	nay also be po	tential signification	ant effects to 🖊	Air Quality as	
						• •	-		-	
		e and less car	use will help to	o reduce the ri		• •	etential significa hese routes wh		-	
	greater bus us	e and less car	use will help to	o reduce the ri		• •	-		-	
	greater bus us AQMA at Canı	e and less car niesburn Toll a	use will help to and Bishopbrig	o reduce the ri ggs Cross.	sk of poor air o	quality along t	-	nich both have	a designated	
	greater bus us AQMA at Canı Whilst the de	e and less car niesburn Toll a livery of the	use will help to and Bishopbrig RTPI system o	o reduce the ri ggs Cross. on these two o	sk of poor air o corridors will	quality along t provide bene	hese routes wh	nich both have f the local co	a designated mmunities in	
	greater bus us AQMA at Can Whilst the de Milngavie, Bea	e and less car niesburn Toll a livery of the arsden and Bi	use will help to and Bishopbrig RTPI system o shopbriggs wit	o reduce the ri ggs Cross. on these two o th some benef	sk of poor air o corridors will fits environme	quality along t provide bene entally, this op	these routes wh	hich both have f the local cor in that it fails	a designated mmunities in to provide a	
	greater bus us AQMA at Can Whilst the de Milngavie, Bea	e and less car niesburn Toll a livery of the arsden and Bi ble service act	use will help to and Bishopbrig RTPI system o shopbriggs wit ross the whole	o reduce the ri ggs Cross. on these two o th some benef	sk of poor air o corridors will fits environme	quality along t provide bene entally, this op	these routes wh fits to some o ption is limited	hich both have f the local cor in that it fails	a designated mmunities in to provide a	
tion Asses	greater bus us AQMA at Can Whilst the de Milngavie, Bea uniform, relial from increase	e and less car niesburn Toll a livery of the arsden and Bi ble service act	use will help to and Bishopbrig RTPI system o shopbriggs wit ross the whole	o reduce the ri ggs Cross. on these two o th some benef	sk of poor air o corridors will fits environme	quality along t provide bene entally, this op	these routes wh fits to some o ption is limited	hich both have f the local cor in that it fails	a designated mmunities in to provide a	
ption 9	greater bus us AQMA at Can Whilst the de Milngavie, Bea uniform, relial from increase	e and less car niesburn Toll a livery of the arsden and Bi ble service act	use will help to and Bishopbrig RTPI system o shopbriggs wit ross the whole	o reduce the ri ggs Cross. on these two o th some benef	sk of poor air o corridors will fits environme	quality along t provide bene entally, this op	these routes wh fits to some o ption is limited	hich both have f the local cor in that it fails	a designated mmunities in to provide a	
	greater bus us AQMA at Can Whilst the de Milngavie, Bea uniform, relial from increase sment	e and less car niesburn Toll a livery of the arsden and Bi ble service act d information	use will help to and Bishopbrig RTPI system o shopbriggs wit ross the whole provision.	o reduce the ri ggs Cross. on these two o th some benef e of East Dunbs X	sk of poor air o corridors will fits environme artonshire; se X	provide bene entally, this of veral key rout	these routes wh fits to some o ption is limited tes and local co	nich both have f the local con in that it fails ommunities wi	a designated mmunities in to provide a ill not benefit	✓

	Assessment	Commentary								
		•	that this optio	n will promote	e more seamle	ss transfers b	etween bus ai	nd rail transpo	rtation which	
	-	•	II passenger ex	•				•		
	encouraging	greater publ	ic transport us	se with impro	ved connectiv	ity which is l	ikely to offer	minor positiv	e benefits to	
	Population a	nd Human He	alth. In particu	lar options to	introduce Zone	eCards will giv	e people bette	er access withi	n and outwith	
	East Dunbart	tonshire. Whil	st this is also li	kely to have a	minor positiv	e impact on C	limatic Facto	rs, Air Quality	and Material	
	Assets in ter	ms of encour	aging reduced	vehicular traff	ic, emission a	nd contributio	ons to a more	sustainable ne	etwork within	
	East Dunbart	onshire the fu	ull nature of the	e effects are u	nknown at thi	s stage as the	nature of the	action is such	that it will be	
	externally ma	anaged and fa	cilitated by tra	nsport groups	such as Trans	port Scotland	and SPT.			
	It is conside	red that ther	e are no reaso	onable alterna	tives to this c	option as time	etabling of ra	il and bus ser	vices are the	
			mmercial operation			•	-			
			and highlight th							
ption Asses	sment									
Option 10	+/+ +	?	?	?	?	?	+/?	+/?	+/?	
Iternative	Proposed Op	tion: Work in	partnership w	ith the third s	ector and exte	ernal organisa	tions to deve	lop options fo	r improving	
	Community	Transport in E	ast Dunbarton	shire		-				
	Assessment	Commentary								
		commentary								
		•	rategy will give	e East Dunbart	onshire's resid	ents better ac	cess to vital s	ervices and leis	sure facilities,	
	A Communit	y Transport St								
	A Communit for example,	y Transport St presenting po	rategy will give	to Population	and Human H	ealth with the	potential for	significant effe	ects. It is likely	
	A Communit for example, that this opt	y Transport St presenting po ion would res	rategy will give ositive impacts	to Population use of sustaina	and Human H able transport	<mark>ealth</mark> with the methods, suc	e potential for h as bus and	significant effe train travel, co	ects. It is likely ontributing to	
	A Communit for example, that this opt positive effe	y Transport St presenting po ion would res acts on Air Q	rategy will give ositive impacts ult in greater ι	to Population use of sustaina c Factors and	and Human H able transport I Material Ass	ealth with the methods, suc sets. Howeve	e potential for h as bus and r, details of p	significant effe train travel, co proposals cont	ects. It is likely ontributing to tained in the	
	A Communit for example, that this opt positive effe Community	y Transport St presenting po ion would res ects on Air Q Transport Str	rategy will give ositive impacts ult in greater u uality, Climati	to Population use of sustaina c Factors and rmine the full	and Human H able transport I Material Ass extent of the	ealth with the methods, suc sets. Howeve e effects on t	potential for h as bus and r, details of p the other env	significant effe train travel, co proposals cont ironmental ef	ects. It is likely ontributing to tained in the	
Option 10	A Communit for example, that this opt positive effe Community	y Transport St presenting po ion would res ects on Air Q Transport Str	rategy will give ositive impacts ult in greater u uality, Climation ategy to deter	to Population use of sustaina c Factors and rmine the full	and Human H able transport I Material Ass extent of the	ealth with the methods, suc sets. Howeve e effects on t	potential for h as bus and r, details of p the other env	significant effe train travel, co proposals cont ironmental ef	ects. It is likely ontributing to tained in the	
	A Community for example, that this opt positive effe Community determine if 0	y Transport St presenting po ion would res ects on Air Q Transport Str there are any ?	rategy will give ositive impacts ult in greater u uality, Climation ategy to deter other impacts	to Population use of sustaina c Factors and rmine the full in relating to a ?	and Human H able transport I Material Ass extent of the air quality, clim	ealth with the methods, suc sets. Howeve e effects on t natic factors an ?	potential for h as bus and r, details of p he other env nd the transpo	significant effe train travel, co proposals con ironmental ef prt network.	ects. It is likely ontributing to tained in the fects, and to	
	A Community for example, that this opt positive effe Community determine if 0 Proposed Op	y Transport St presenting po ion would res ects on Air Q Transport Str there are any ?	rategy will give ositive impacts ult in greater u uality, Climation ategy to deter other impacts ? in current level	to Population use of sustaina c Factors and rmine the full in relating to a ?	and Human H able transport I Material Ass extent of the air quality, clim	ealth with the methods, suc sets. Howeve e effects on t natic factors an ?	potential for h as bus and r, details of p he other env nd the transpo	significant effe train travel, co proposals con ironmental ef prt network.	ects. It is likely ontributing to tained in the fects, and to	
Alternative	A Community for example, that this opt positive effe Community determine if 0 Proposed Op Assessment	y Transport St presenting po ion would res octs on Air Q Transport Str there are any ? otion: Maintai Commentary:	rategy will give ositive impacts ult in greater u uality, Climation ategy to deter other impacts ? in current level	to Population use of sustaina c Factors and rmine the full in relating to a ? I of communit	and Human H able transport I Material Ass extent of the air quality, clim ? y transport in	ealth with the methods, suc sets. Howeve e effects on t natic factors an ? the area	potential for h as bus and r, details of p he other env nd the transpo 0	significant effe train travel, co proposals con- ironmental ef prt network.	ects. It is likely ontributing to tained in the fects, and to 0	
Alternative	A Community for example, that this opt positive effe Community determine if 0 Proposed Op Assessment There is curre	y Transport St presenting po- ion would res octs on Air Q Transport Str there are any ? otion: Maintai Commentary ently a small o	rategy will give ositive impacts ult in greater u uality, Climati ategy to deter other impacts ? in current level	to Population use of sustaina c Factors and mine the full in relating to a ? I of communit	and Human H able transport I Material Ass extent of the air quality, clim ? y transport in	ealth with the methods, suc sets. Howeve e effects on t natic factors an ? the area es in East Dun	potential for h as bus and r, details of p he other env nd the transpo 0 bartonshire; h	significant effe train travel, co proposals cont ironmental ef prt network. 0	ects. It is likely ontributing to tained in the fects, and to 0 urrent options	
Iternative	A Community for example, that this opt positive effe Community determine if 0 Proposed Op Assessment There is curre are limited a	y Transport St presenting po- ion would res octs on Air Q Transport Str there are any ? otion: Maintai Commentary: ently a small o nd offer little	rategy will give ositive impacts ult in greater u uality, Climation ategy to deter other impacts ? in current level	to Population use of sustaina c Factors and rmine the full in relating to a ? I of communit munity transpo rovements. Co	and Human H able transport I Material Ass extent of the air quality, clim ? y transport in ort opportuniti ompared to Alt	ealth with the methods, suc sets. Howeve e effects on t natic factors an ? the area es in East Dun cernative 1, it	potential for h as bus and r, details of p the other env nd the transpo 0 bartonshire; h is likely that t	significant effe train travel, co proposals cont ironmental ef ort network. 0 0 nowever the cu shis option will	ects. It is likely ontributing to tained in the fects, and to 0 urrent options I not increase	
Alternative	A Community for example, that this opt positive effe Community determine if 0 Proposed Op Assessment There is curre are limited a benefits to cu	y Transport St presenting po- ion would res octs on Air Q Transport Str there are any ? otion: Maintai Commentary: ently a small o nd offer little	rategy will give ositive impacts ult in greater u uality, Climation ategy to deter other impacts ? in current level ffering of common scope for imp	to Population use of sustaina c Factors and rmine the full in relating to a ? I of communit munity transpo rovements. Co	and Human H able transport I Material Ass extent of the air quality, clim ? y transport in ort opportuniti ompared to Alt	ealth with the methods, suc sets. Howeve e effects on t natic factors an ? the area es in East Dun cernative 1, it	potential for h as bus and r, details of p the other env nd the transpo 0 bartonshire; h is likely that t	significant effe train travel, co proposals cont ironmental ef ort network. 0 0 nowever the cu shis option will	ects. It is likely ontributing to tained in the fects, and to 0 urrent options I not increase	

Option 11	Proposed Op	otion: Establis	h an East Dunb	artonshire Tra	avel Survey					1
Alternative	Assessment	Commentary:								
	This option	would provide	e the Council	and transport	t operators w	ith more up	to date data	in order to	inform future	
	improvemen	ts and Strateg	ies relating to	transport. At	this stage the	effects to eac	ch factor are ι	unknown but	the action will	
	support an ι demand.	Inderstanding	of the directio	on in which ne	w opportuniti	es and strateg	gies should ta	ke in respons	e to need and	
Option 11	?	?	?	?	?	?	?	?	?	
Alternative	Proposed Op	otion: Continu	e to use Scotti	sh Household	Survey data	•		·	•	
2	Assessment	Commentary:								
	The SHS dat	a is a useful t	tool for the Co	ouncil, howev	ver, the quali	ty and quant	ity of the dat	a varies from	n year to	
			e results can b		•		•			
			Dunbartonshir				•			
			e limited. The							
Option Assess										
Option 12	+/+ +	X	X	X	X	X	X	X	X	~
Alternative	Proposed Or	tion: Work w	ith stakeholde	rs to improve	the accessibil	ity of healthca	are services			
	The main be								hcare services and wellbeing	
Option 12	X	X	X	X	X	X	X	X	X	
Alternative	Proposed Op	tion: Do mini	mum						-1	
2	Assessment	Commentary:								
		•	improving ac	cessibility of	healthcare se	ervices by cor	ntinuing with	existing opt	ions will	
	-		urrent enviror			,	0	0 1		
Ontion Assess	smont									
Option Assess		Y	V	V	×	×				
Option Assess Option 13 Alternative	+	X	X	X	x	X	+	+	+ vision of local	\checkmark

	to bus travel Material Asse car use which	ed that this op options, resu ets. Specificall will help to re	tion will result Ilting in positi y, this option ł	ve impacts to has the potent quality; this is p	Population a ial to encoura particularly imp	and Human H ge greater up portant in AQN	lealth, Air Qua take of bus tra MAs. This woul	ality, Climation of the second s	greater access c Factors and a reliance on e connectivity	
Option 13	?/+	X	X	X	X	X	?/+	?/+	?/+	
Alternative	Proposed Opt	tion: Rely on t	the commercia	al market to p	rovide service	s as they deer	m acceptable			
۷	Assessment C	Commentary:								
		•	•				-	nere is a level o	of uncertainty	
	as to the full r	nature of the e	effects as this o	option would b	be out with the	e control of th	e Council.			

Roads

				SEA ENV	IRONMENTA	L FACTORS				
Options and Alternatives	Populatio n and Human Health	Cultural Heritage	Biodiversity , Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assessr	nent									
Option 14 Alternative 1	+	Х	X	Х	X	X	+	+	+	
	as you go sys employment	stem. These v areas.	ehicles can be a	accessed at a	ny time and are	e available fro	ol of vehicles th om dedicated sp	baces near to r	residential and	
		-					is likely to hav including the fo		ive impacts on	
	 Pron 	notion of an o	overall more su	ustainable net	•	•	more infrequer re by highlightin	-	ts of a realistic	
		•	t to replace car							
	 Pote 	intial decreas	e in personal ca	ar ownership;						

	traffi	c and conges	tion and redu	ice the impac	t on air quali	ty. This will b	pe particularly	oad. This can ro beneficial in a	
				•	-		has been desi		
		• •			utilise the Car	Club during w	orking hours a	nd public use d	uring evening
Option 14			utilisation of t						
Alternative 2	?	X	X	X	X	X	?	?	?
			e Council pool	car provision					
		Commentary:							
								tors such as po	
	· ·	•			•	• •	• •	vided, althoug	
				•	•			lealth, Air Qua	
			-				-	as the potentia	
								ion and emissi s will be by mu	
			-	-	-		-	cars rather that	
	-	•	•	•	•	•			
	petrol/diesel	vehicles. In a	ddition, use of	f the pool cars	s is likely to be	•		journeys, requ	
	petrol/diesel	vehicles. In a	•	f the pool cars	s is likely to be	•			
	petrol/diesel still to travel +/0	vehicles. In a to work eithe X	ddition, use of r by private ca X	f the pool cars r use or public X	transport.	e restricted to	work-related	journeys, requ	iiring workers
	petrol/diesel still to travel +/0 Proposed Op	vehicles. In a to work eithe X tion: Increase	ddition, use of r by private ca X e bus service p	f the pool cars r use or public X	transport.	e restricted to	work-related	journeys, requ	iiring workers
	petrol/diesel still to travel +/0 Proposed Op Assessment	vehicles. In a to work eithe X tion: Increase Commentary:	ddition, use of r by private ca X e bus service p	f the pool cars r use or public X rovision in the	s is likely to be transport. X e evenings	e restricted to	work-related	journeys, requ	iiring workers
	petrol/diesel still to travel +/0 Proposed Op Assessment of Whilst there	vehicles. In a to work eithe X tion: Increase Commentary: is the potentia	ddition, use of r by private ca X e bus service p al that this alte	f the pool cars r use or public X rovision in the rnative option	s is likely to be transport. X e evenings will present n	e restricted to X ninor positive	work-related +/0 impacts to Pop	journeys, requ +/0	+/0 uman Health,
Option 14 Iternative 3	petrol/diesel still to travel +/0 Proposed Op Assessment of Whilst there Air Quality,	vehicles. In a to work eithe X tion: Increase Commentary: is the potentia Climatic Fact	ddition, use of r by private ca X bus service p al that this alte ors and Mate	f the pool cars r use or public X rovision in the rnative option erial Assets in	s is likely to be transport. X e evenings will present n terms of cor	e restricted to X ninor positive ntributing to	work-related +/0 impacts to Pop potential incre	journeys, requ +/0 pulation and Hu	+/0 +/0 uman Health, ivity for local
	petrol/diesel still to travel +/0 Proposed Op Assessment of Whilst there Air Quality, communities	vehicles. In a to work eithe X tion: Increase Commentary: is the potentia Climatic Fact and better ac	ddition, use of r by private ca X bus service p al that this alte ors and Mate cess to other s	f the pool cars r use or public X rovision in the rnative option erial Assets in settlements in	s is likely to be transport. X e evenings will present n terms of con East Dunbarto	e restricted to X ninor positive ntributing to poshire, and p	work-related +/0 impacts to Pop potential incre otentially cross	journeys, requ +/0 pulation and He eased connecti	iring workers +/0 uman Health, ivity for local olaces such as
	petrol/diesel still to travel +/0 Proposed Op Assessment of Whilst there Air Quality, communities neighbouring	vehicles. In a to work eithe X tion: Increase Commentary: is the potentia Climatic Fact and better ac Glasgow. If s	ddition, use of r by private ca X bus service p al that this alte ors and Mate cess to other s successful, inc	f the pool cars r use or public X rovision in the rnative option erial Assets in settlements in reased evenin	e evenings will present n terms of con East Dunbarto g provision w	ninor positive ntributing to poshire, and p vill contribute	impacts to Pop potential incre otentially cross to a more sus	journeys, requ +/0 pulation and Hu eased connecti s-boundary to p	iring workers +/0 uman Health, ivity for local olaces such as port network
	petrol/diesel still to travel +/0 Proposed Op Assessment of Whilst there Air Quality, communities neighbouring within the lo	vehicles. In a to work eithe X tion: Increase Commentary: is the potentia Climatic Fact and better ac Glasgow. If s cal area and	ddition, use of r by private ca X bus service p al that this alte ors and Mate cess to other s successful, inc to a reduction	f the pool cars r use or public X provision in the rnative option erial Assets in settlements in reased evenin n in emissions	e evenings will present n terms of con East Dunbarto g provision w and reducing	ninor positive ntributing to onshire, and p vill contribute g the negativ	impacts to Pop potential incre otentially cross to a more sus e effects of ca	journeys, request +/0 	+/0 +/0 uman Health, ivity for local places such as port network mate change.
	petrol/diesel still to travel +/0 Proposed Op Assessment of Whilst there Air Quality, communities neighbouring within the lo However, the The current	vehicles. In a to work either X tion: Increase Commentary: is the potentia Climatic Fact and better ac Glasgow. If s cal area and ere are some li commercial	ddition, use of r by private ca X bus service p al that this alte ors and Mate cess to other s successful, inc to a reduction mitations to th bus market s	f the pool cars r use or public X rrovision in the rnative option rela Assets in settlements in reased evenin n in emissions his alternative supports bus	e evenings will present n terms of con East Dunbarto g provision w and reducing which could al journeys in	e restricted to X ninor positive ntributing to onshire, and p vill contribute g the negativ lso neutralise settlements	impacts to Pop potential incre otentially cross to a more sus e effects of ca the environme where there	journeys, requestion and Here and the second and th	+/0 +/0 uman Health, ivity for local places such as port network mate change. these factors. owever, East
	petrol/diesel still to travel +/0 Proposed Op Assessment of Whilst there is Air Quality, communities neighbouring within the lo However, the The current Dunbartonsh	vehicles. In a to work eithe X tion: Increase Commentary: is the potentia Climatic Fact and better ac Glasgow. If s cal area and ere are some li commercial ire has relativ	ddition, use of r by private ca X bus service p al that this alte ors and Mate cess to other s successful, inc to a reduction mitations to th bus market s ely low bus pa	f the pool cars r use or public X rovision in the rnative option reased evenin n in emissions his alternative supports bus tronage and e	s is likely to be transport. X e evenings will present n terms of con East Dunbarto g provision w and reducing which could al journeys in vening provisi	e restricted to X ninor positive ntributing to onshire, and p vill contribute g the negativ lso neutralise settlements ion may not su	impacts to Pop potential incre otentially cross to a more sus e effects of ca the environme where there	journeys, requ +/0 bulation and Hu eased connecti s-boundary to p stainable trans r travel on clir ntal effects on	+/0 +/0 uman Health, ivity for local places such as port network mate change. these factors. owever, East
Iternative 3	petrol/diesel still to travel +/0 Proposed Op Assessment of Whilst there Air Quality, communities neighbouring within the lo However, the The current Dunbartonsh to a more sus	vehicles. In a to work eithe X tion: Increase Commentary: is the potentia Climatic Fact and better ac Glasgow. If s cal area and ere are some li commercial ire has relativ	ddition, use of r by private ca X bus service p al that this alte ors and Mate cess to other s successful, inc to a reduction mitations to th bus market s	f the pool cars r use or public X rovision in the rnative option reased evenin n in emissions his alternative supports bus tronage and e	s is likely to be transport. X e evenings will present n terms of con East Dunbarto g provision w and reducing which could al journeys in vening provisi	e restricted to X ninor positive ntributing to onshire, and p vill contribute g the negativ lso neutralise settlements ion may not su	impacts to Pop potential incre otentially cross to a more sus e effects of ca the environme where there	journeys, requestion and Here and the second and th	+/0 +/0 uman Health, ivity for local places such as port network mate change. these factors. owever, East
	petrol/diesel still to travel +/0 Proposed Op Assessment of Whilst there Air Quality, communities neighbouring within the lo However, the The current Dunbartonsh to a more sus	vehicles. In a to work eithe X tion: Increase Commentary: is the potentia Climatic Fact and better ac Glasgow. If s cal area and ere are some li commercial ire has relativ	ddition, use of r by private ca X bus service p al that this alte ors and Mate cess to other s successful, inc to a reduction mitations to th bus market s ely low bus pa	f the pool cars r use or public X rovision in the rnative option reased evenin n in emissions his alternative supports bus tronage and e	s is likely to be transport. X e evenings will present n terms of con East Dunbarto g provision w and reducing which could al journeys in vening provisi	e restricted to X ninor positive ntributing to onshire, and p vill contribute g the negativ lso neutralise settlements ion may not su	impacts to Pop potential incre otentially cross to a more sus e effects of ca the environme where there	journeys, requestion and Here and the second and th	+/0 +/0 uman Health, ivity for local places such as port network mate change. these factors. owever, East

\checkmark	Assessment (•			c .							
			-	•		-	-	ighout the who				
		•		itive impacts to	o Population a	and Human H	lealth, Air Qua	ality and Clima	atic Factors			
		following imp										
	 Better understanding of the negative impacts associated with vehicle idling including the role it plays in air quality pollution, the localised climate change impacts and poor health; A potential deterrent for pon-domestic vehicles to idle, such as buses, taxis and deliveries, due to patrols and financial 											
	• A potential deterrent for non-domestic vehicles to idle, such as buses, taxis and deliveries, due to patrols and financial penalties; this could be particularly beneficial in town centres, areas of high population and near schools/nurseries;											
	penal and,	lties; this coul	d be particula	arly beneficial i	n town centres	s, areas of high	n population a	nd near schools	s/nurseries;			
	Poter	ntial reduction	in emissions	that contribut	e to poor air qu	uality, particul	arly in AQMAs	and near schoo	ols which in			
					• •		•	ry disease and a				
								, pre pleasant env				
		•	·		-							
	14 14 14 14 14 14					ing is surrout	practice and					
	I IT IS consider	ed that there	are no reasor	nable alternati	ves as monitoi	ing is current	DIACHCE and V	NIII continue re	gardless of			
		ed that there w option is im			ves as monitor	ing is current	practice and v	viii continue re	gardless of			
n Assessi	whether a ne	ed that there w option is im			ves as monitor	ing is current		viii continue re	egardless of			
	whether a ne ment	w option is im	plemented or	r not.	Ι							
on 16	whether a ne ment +	w option is im X	plemented or X	r not.	X		+	++	x			
on 16	whether a ne nent + Proposed Op	w option is im X tion: Improve	plemented or X	r not.	X							
n 16	whether a nement + Proposed Op Assessment (w option is im X tion: Improve Commentary:	plemented or X the efficience	r not. X y of the Counc	X							
on 16	whether a ne ment Proposed Op Assessment O The options in	w option is im X tion: Improve Commentary: ncludes the fo	plemented or X the efficience	r not. X y of the Counc ures:	X il's fleet	X	+	++	X			
on 16	whether a nement Proposed Op Assessment (The options in Conti	w option is im X tion: Improve Commentary: ncludes the fo nue to operat	plemented or X the efficience llowing measure e a 3-5 year v	r not. X y of the Counc ures: ehicle lease re	X il's fleet	X gramme with	+ minimum Euro	++ 6 engine stand	X			
tion 16	whether a nement Proposed Op Assessment (The options in Conti	w option is im X tion: Improve Commentary: ncludes the fo nue to operat	plemented or X the efficience llowing measure e a 3-5 year v	r not. X y of the Counc ures: ehicle lease re	X il's fleet	X gramme with	+ minimum Euro	++	X			
on Assessition 16 rnative 1	whether a nement Proposed Op Assessment C The options in Conti Increa	w option is im X tion: Improve Commentary: ncludes the fo nue to operat ase the size of	plemented or X the efficience llowing measure a 3-5 year voi the Council's	r not. X y of the Counc ures: ehicle lease re electric vehicle	X il's fleet placement proj e fleet with en	gramme with thanced capaci	+ minimum Euro ty for electric v	+ + 6 engine stand vehicle charging	X lards. g points.			
ion 16	whether a nement Proposed Op Assessment C The options in Conti Increa	w option is im X tion: Improve Commentary: ncludes the fo nue to operat ase the size of implementatio	plemented or X the efficience llowing measure a 3-5 year voi the Council's on of these m	r not. X y of the Counc ures: ehicle lease rep s electric vehicle	X placement prop e fleet with en ensure that th	gramme with the hanced capacities council's version of the council of the co	+ minimum Euro ty for electric v hicle fleet are	++ 6 engine stand vehicle charging high quality, ef	X lards. g points. fficient and			
ion 16	whether a nement Proposed Op Assessment C The options in Conti Increa Through the low emitting	w option is im X tion: Improve Commentary: ncludes the fo nue to operat ase the size of implementation vehicles. Increase	plemented or X the efficience llowing measure e a 3-5 year very the Council's pon of these meased available	r not. X y of the Counc ures: ehicle lease rep electric vehicle neasures it will ility and infrast	X placement pro- e fleet with en ensure that th cructure to sup	gramme with i hanced capaci le Council's ve port electric v	+ minimum Euro ty for electric v hicle fleet are ehicles offers z	++ 6 engine stand vehicle charging high quality, ef	X lards. g points. fficient and vehicles for			
tion 16	whether a nement Proposed Op Assessment C The options in Conti Increa Through the low emitting short journey	x tion: Improve Commentary: ncludes the fo nue to operat ase the size of implementatio vehicles. Incre s. Overall this	Notice the efficience of the efficience of the efficience of the efficience of the council's on of these meased available options will p	r not. X y of the Counc ures: ehicle lease re electric vehicle neasures it will ility and infrast provide positive	X placement pro- e fleet with en ensure that th cructure to sup e impacts on P	x gramme with the hanced capaci the Council's ve port electric v opulation and	+ minimum Euro ty for electric v hicle fleet are ehicles offers z	++ 6 engine stand vehicle charging high quality, ef zero emissions v h, Air Quality an	X lards. g points. fficient and vehicles for nd Climatic			
tion 16	whether a nement Proposed Op Assessment C The options in Conti Increa Through the low emitting short journey Factors through	w option is im X tion: Improve Commentary: ncludes the fo nue to operat ase the size of implementation vehicles. Increase yehicles. Increase s, Overall this gh a reduction	plemented or X the efficience llowing measures e a 3-5 year very the Council's on of these meased available options will provide the second se	r not. X y of the Counc ures: whicle lease rep s electric vehicle neasures it will ility and infrast provide positive carbon emissio	X placement pro- e fleet with en ensure that th cructure to sup e impacts on P ons from Counc	gramme with the hanced capacing the Council's very port electric vor population and the council vehicular transmitted to t	+ minimum Euro ty for electric v hicle fleet are ehicles offers z Human Healt wel, improved	+ + 6 engine stand vehicle charging high quality, ef zero emissions v h, Air Quality an air quality with a	X lards. g points. fficient and vehicles for nd Climatic a particular			
tion 16	whether a nement Proposed Op Assessment C The options in Conti Increa Through the low emitting short journey Factors throu relevance at p	w option is im X tion: Improve Commentary: ncludes the fo nue to operat ase the size of implementation vehicles. Increase s. Overall this gh a reduction peak times and	plemented or X the efficience llowing measure e a 3-5 year very the Council's on of these meased available coptions will provide the second in aggregate d in existing A	r not. X y of the Counc ures: ehicle lease rep s electric vehicle neasures it will ility and infrast provide positive carbon emissio QMA's or area	X il's fleet placement pro- e fleet with en ensure that th cructure to sup e impacts on P ons from Counc s with high cor	gramme with the hanced capacities of the council's very port electric very opulation and the council vehicular transportion issues the council vehicular transport of the council vehicular tra	+ minimum Euro ty for electric v hicle fleet are ehicles offers z Human Healt wel, improved	++ 6 engine stand vehicle charging high quality, ef zero emissions v h, Air Quality an	X lards. g points. fficient and vehicles for nd Climatic a particular			
tion 16	whether a nement Proposed Op Assessment C The options in Conti Increa Through the low emitting short journey Factors throu relevance at p	w option is im X tion: Improve Commentary: ncludes the fo nue to operat ase the size of implementation vehicles. Increase s. Overall this gh a reduction peak times and	plemented or X the efficience llowing measure e a 3-5 year very the Council's on of these meased available coptions will provide the second in aggregate d in existing A	r not. X y of the Counc ures: whicle lease rep s electric vehicle neasures it will ility and infrast provide positive carbon emissio	X il's fleet placement pro- e fleet with en ensure that th cructure to sup e impacts on P ons from Counc s with high cor	gramme with the hanced capacities of the council's very port electric very opulation and the council vehicular transportion issues the council vehicular transport of the council vehicular tra	+ minimum Euro ty for electric v hicle fleet are ehicles offers z Human Healt wel, improved	+ + 6 engine stand vehicle charging high quality, ef zero emissions v h, Air Quality an air quality with a	X lards. g points. fficient and vehicles for nd Climatic a particular			

Alternative 2	Proposed Op	ition: Replace	Council fleet	when vehicle	s fail standard	l tests.				
	Assessment	Commentary:								
	This approac	h will ensure t	hat fleet vehi	cles are replac	ed when they	are assessed	to be failing st	andard testing. ⁻	Through this	
	option there	is a risk of h	igher carbon	emissions and	d less fuel eff	icient vehicle	s being used v	vithin the Counc	cil fleet, and	
	therefore the	ere may be a p	otential increa	ased risk of ne	gative impacts	to Air Quality	y and Climatic	Factors. Older an	nd inefficient	
	vehicles use i	more fuel and	have higher a	average costs	related to thei	r running ma	intenance prog	grammes.		
Option Assessi	nent									
Option 17	+	Х	X	X	X	X	+	+	X	\checkmark
Alternative 1	Proposed Op	tion: Supply f	uel efficient d	driver training						
	Assessment (
\checkmark		•	sed on the pro	ovision of fuel	efficient drivin	g training ses	sions for all ap	propriate Council	l employees.	
								benefit of efficie		
	council vehic					0,,			0	
	 Typic 	al annual savi	ngs of £200-2	50 for a car di	river (more for	a van).				
		ced likelihood	-							
				, brakes and cl	lutches					
		ced carbon er	•	, brance and e						
	Through the a	anticipated be	enefits (listed a	above) it is lik	elv to result in	positive imp	acts in relation	to Population a	nd Human	
	-							to Population and risk of accider		
Option 17	-							to Population and risk of acciden		
	Health, Air Q +	uality and Cli X	matic Factors X	through redu X	ced carbon en X	nissions, fuel			nts.	
	Health, Air Q + Proposed Op	uality and Clin X tion: Continu	matic Factors X e only with cu	through redu	ced carbon en X	nissions, fuel			nts.	
	Health, Air Q + Proposed Op Assessment C	uality and Clin X tion: Continu Commentary:	Matic Factors X e only with cu	through redu X urrent testing	ced carbon en X procedures	nissions, fuel X	consumption a –	nd risk of accider	nts. X	
Option 17 Alternative 2	Health, Air Q + Proposed Op Assessment O This option p	tion: Continu Commentary: rovides assure	e only with cu	through redu X urrent testing Council drivers	ced carbon en X procedures	viissions, fuel X uired standa	rds through ex	nd risk of accider	nts. X ms of safety	
	Health, Air Q + Proposed Op Assessment (This option p but it will not	tion: Continu Commentary: rovides assure educate driv	e only with cu ance that all C	through redu X urrent testing Council drivers ficient driving.	ced carbon en X procedures	viissions, fuel X uired standa	rds through ex	nd risk of accider	nts. X ms of safety	
Alternative 2	Health, Air Q + Proposed Op Assessment O This option p but it will not negative imp	tion: Continu Commentary: rovides assure educate driv	e only with cu ance that all C	through redu X urrent testing Council drivers ficient driving.	ced carbon en X procedures	viissions, fuel X uired standa	rds through ex	nd risk of accider	nts. X ms of safety	
Alternative 2	Health, Air Q + Proposed Op Assessment (This option p but it will not negative impa- ment	tion: Continu Commentary: rovides assure educate driv acts to Air Qu	e only with cu ance that all C ers on fuel eff ality and Clim	through redu X urrent testing Council drivers ficient driving. natic Factors.	ced carbon en X procedures s meet the rec This would be	uired standa a missed op	rds through exportunity and	nd risk of accider	nts. X ms of safety I to result in	
Alternative 2 Option Assessi Option 18	Health, Air Q + Proposed Op Assessment (This option p but it will not negative imp ment +	tion: Continu Commentary: rovides assure educate driv acts to Air Qu	e only with cu ance that all C ers on fuel eff ality and Clim	through redu X urrent testing Council drivers ficient driving. natic Factors.	ced carbon en X procedures s meet the rec This would be X	uired standa e a missed op	rds through ex	nd risk of accider	nts. X ms of safety	
Alternative 2	Health, Air Q + Proposed Op Assessment (This option p but it will not negative impa ment + Proposed Op	tion: Continu Commentary: rovides assure educate driv acts to Air Qu X tion: Build on	e only with cu ance that all C ers on fuel eff ality and Clim	through redu X urrent testing Council drivers ficient driving. natic Factors.	ced carbon en X procedures s meet the rec This would be	uired standa e a missed op	rds through exportunity and	nd risk of accider	nts. X ms of safety I to result in	
Alternative 2 Option Assessi Option 18	Health, Air Q + Proposed Op Assessment (This option p but it will not negative imp ment +	tion: Continu Commentary: rovides assure educate driv acts to Air Qu X tion: Build on	e only with cu ance that all C ers on fuel eff ality and Clim	through redu X urrent testing Council drivers ficient driving. natic Factors.	ced carbon en X procedures s meet the rec This would be X	uired standa e a missed op	rds through exportunity and	nd risk of accider	nts. X ms of safety I to result in	

		•	otential to res	suit in negative	impacts depei	nding on the c	overall emission	ns rates of com	nmercial firms	
Alternative 2	Proposed Op on commerci Assessment C This option is	tion: Do mini al firms emis Commentary: likely to pre	mum – contin sions sent similar ir ercial emissior	npacts to thos	e described in	the assessme ficant nature	ent for Alterna of the positive	s and projects tive 1. Howeve	but not focus er, continuing	
Option 18	improvement added benefi vehicles in Ea minimise mile emissions and This option is through redu managed flee	s. The ultima t of saving o st Dunbarton eage. The accr d cleaner air i likely to resu ced carbon t as well as c	te aim is to re perators mor shire to inves reditation sche n the commun It in positive in emissions, fue ommercial ve	eme provides educe fuel cons ney. The scher t in cleaner eng eme offers posi nities the firms mpacts in relati el consumptior hicles operatin Council leadin	sumption which me also provid gines, driver tra- tive publicity for operate in. ion to Populati n and reduced g within East D	n naturally lea des incentives aining, telema or commercial on and Huma risk to air q punbartonshir	ads to fewer ve s to commerci atics systems to l firms and poto an Health, Air (guality through e. This option	chicle emission al firms operato optimise perf ential cost savin Quality and Clin impacts from will ensure that	s and has the ting polluting formance and ngs and lower matic Factors n the Council at the Council	

	 Poter availa 	ahla								
Option 19	+/0	X	x	X	X	X	+/0	+/0	+/0	
Alternative 2	Proposed Op	tion: Deliver a	an East Dunba	artonshire Car	Share scheme	2				
	Assessment	Commentary:								1
	Whilst this o	ption has the	potential to p	present similar	positive bene	fits to Alterna	tive 1, a signi	ficant amount	of investment	
	will be requi	red to set this	s scheme up.	Furthermore,	the majority	of East Dunba	artonshire res	idents commu	te out of East	
	Dunbartonsh	ire therefore t	the effects ma	ay only be neut	ral as uptake	of the scheme	might be low	compared to a	a regional one.	
Option Assess	ment			-	•		•	1		
Option 20	+	X	X	X	X	×	×	×	+	\checkmark
Alternative 1	Proposed Op	tion: Maintai	n footways ai	nd roads to a h	high standard	in line with th	e Road Asset	Management	Plan	
		Commentary:								
		•								
	in general, it	is anticipated t	that this optio	on will have mir	nimal effects o	n the local env	ironment. Hov	vever this opti	on will present	
	-								on will present road network	
	minor positiv	ve impacts for	Population a	and Human He	ealth and Mat	erial Assets in	terms of ens	uring that the		
	minor positiv within East D	ve impacts for ounbartonshire	Population a e is safe for us	and Human He se and maintair	ealth and Mat ned to a stand	erial Assets ir ard that does	terms of ens	uring that the functionality	road network	
	minor positiv within East D transport ne	ve impacts for ounbartonshire	Population a e is safe for us bad Asset Mar	and Human He se and maintair nagement Plan	ealth and Mat ned to a stand	erial Assets ir ard that does	terms of ens	uring that the functionality	road network of the existing	
	minor positiv within East D transport ne road networl	ve impacts for punbartonshire twork. The Rc k across East D	Population a e is safe for us bad Asset Mar Dunbartonshir	and Human He se and maintair nagement Plan re.	ealth and Mat ned to a stand n (RAMP) will	erial Assets ir ard that does contribute to	i terms of ens not reduce the further manag	uring that the e functionality gement of a sa	road network of the existing	
	minor positiv within East D transport ne road network This is a statu	ve impacts for punbartonshire twork. The Rc k across East D	Population a e is safe for us bad Asset Mar Dunbartonshir	and Human He se and maintair nagement Plan	ealth and Mat ned to a stand n (RAMP) will	erial Assets ir ard that does contribute to	i terms of ens not reduce the further manag	uring that the e functionality gement of a sa	road network of the existing	
	minor positiv within East D transport ne road network This is a statu	ve impacts for punbartonshire twork. The Rc k across East D	Population a e is safe for us bad Asset Mar Dunbartonshir	and Human He se and maintair nagement Plan re.	ealth and Mat ned to a stand n (RAMP) will	erial Assets ir ard that does contribute to	i terms of ens not reduce the further manag	uring that the e functionality gement of a sa	road network of the existing	
Option 21	minor positiv within East D transport ne road network This is a statu	ve impacts for punbartonshire twork. The Rc k across East D	Population a e is safe for us bad Asset Mar Dunbartonshir	and Human He se and maintair nagement Plan re.	ealth and Mat ned to a stand n (RAMP) will	erial Assets ir ard that does contribute to	i terms of ens not reduce the further manag	uring that the e functionality gement of a sa	road network of the existing	
Option 21	minor positiv within East D transport nei road network This is a statu ment +	ve impacts for punbartonshire twork. The Ro k across East D utory requiren	Population a e is safe for us bad Asset Mar Dunbartonshir ment and it is t	and Human He se and maintair nagement Plan re. therefore consi	ealth and Mat ned to a stand n (RAMP) will idered that th	erial Assets in ard that does contribute to ere are no rea	i terms of ens not reduce the further manag sonable altern	uring that the e functionality gement of a sa natives.	road network of the existing afe and usable	✓
Option 21	minor positiv within East D transport ner road network This is a statu ment + Proposed Opt	ve impacts for punbartonshire twork. The Ro k across East E utory requiren X tion: Plan and	Population a e is safe for us bad Asset Mar Dunbartonshir ment and it is t	and Human He se and maintair nagement Plan re. therefore cons	ealth and Mat ned to a stand n (RAMP) will idered that th	erial Assets in ard that does contribute to ere are no rea	i terms of ens not reduce the further manag sonable altern	uring that the e functionality gement of a sa natives.	road network of the existing afe and usable	✓
Option 21	minor positive within East D transport ner road network This is a state This is a state Proposed Opt Assessment C	ve impacts for punbartonshire twork. The Ro k across East D utory requiren X tion: Plan and commentary:	Population a e is safe for us bad Asset Mar Dunbartonshir ment and it is t X deliver an eff	and Human He se and maintair nagement Plan re. therefore consi k fective annual	ealth and Mathed to a stand (RAMP) will idered that th X Winter Service	erial Assets in ard that does contribute to ere are no rea X :e Policy	terms of ens not reduce the further manages sonable altern	uring that the functionality gement of a satives.	road network of the existing afe and usable	✓
Option 21	minor positive within East D transport nei road network This is a statue ment + Proposed Opt Assessment C The impacts of	ve impacts for punbartonshire twork. The Ro k across East D utory requiren X tion: Plan and Commentary: of this option v	Population a e is safe for us bad Asset Mar Dunbartonshir hent and it is t X deliver an eff vill primarily r	and Human He se and maintair nagement Plan re. therefore consi k therefore consi therefore annual relate to Popula	ealth and Mat ned to a stand (RAMP) will idered that th X Winter Service ation and Hur	erial Assets in ard that does contribute to ere are no rea x ere Policy nan Health. As	terms of ens not reduce the further manages sonable altern X s the Winter S	ervice Policy w	road network of the existing afe and usable X	✓
Option 21	minor positive within East D transport ner road network This is a state ment + Proposed Opt Assessment C The impacts of prevent snow	ve impacts for punbartonshire twork. The Ro k across East E utory requiren X tion: Plan and commentary: of this option v and ice, or th	Population a e is safe for us bad Asset Mar Dunbartonshir hent and it is t X deliver an eff vill primarily r e consequence	and Human He se and maintair nagement Plan re. therefore consi therefore consi therefore annual fective annual relate to Popula ces of any othe	ealth and Mat ned to a stand (RAMP) will idered that th X Winter Servio ation and Hur r adverse wea	erial Assets in ard that does contribute to ere are no rea X e Policy nan Health. As ther condition	a terms of ens not reduce the further manages sonable altern X s the Winter So , endangering	uring that the e functionality gement of a sa natives. X ervice Policy w the safe passa	road network of the existing afe and usable X ill help to age of	✓
Option 21	minor positive within East D transport ner road network This is a state ment Proposed Opt Assessment C The impacts of prevent snow vehicular and	ve impacts for punbartonshire twork. The Ro k across East D utory requiren X tion: Plan and commentary: of this option v and ice, or th pedestrian tra	Population a is safe for us bad Asset Mar Dunbartonshir hent and it is t deliver an eff vill primarily r e consequence affic in East Du	and Human He se and maintair nagement Plan re. therefore consi X fective annual relate to Popula ces of any othe unbartonshire,	ealth and Mathed to a stand in (RAMP) will idered that th X Winter Service ation and Hur r adverse weat it is likely to p	erial Assets in ard that does contribute to ere are no rea X e Policy nan Health. As ther condition provide benefit	a terms of ens not reduce the further manages sonable altern X s the Winter S a, endangering ts in terms of h	uring that the e functionality gement of a sa natives. X ervice Policy w the safe passa nealth and safe	road network of the existing afe and usable X vill help to age of ety and	✓
Option Assess Option 21 Alternative 1	minor positive within East D transport new road network This is a state This is a state Proposed Opt Assessment C The impacts of prevent snow vehicular and maintain contribution	ve impacts for punbartonshire twork. The Ro k across East D utory requiren X tion: Plan and commentary: of this option v and ice, or th pedestrian tra nectivity acros	Population a e is safe for us bad Asset Mar Dunbartonshir hent and it is t X deliver an eff vill primarily r e consequence affic in East Du s our boundat	and Human He se and maintair nagement Plan re. therefore consi therefore consi therefore annual fective annual relate to Popula ces of any othe	alth and Mathed to a stand (RAMP) will idered that th X Winter Service ation and Hur r adverse weat it is likely to p een communit	erial Assets in ard that does contribute to ere are no rea X e Policy nan Health. As ther condition provide benefit	a terms of ens not reduce the further manages sonable altern X s the Winter S a, endangering ts in terms of h	uring that the e functionality gement of a sa natives. X ervice Policy w the safe passa nealth and safe	road network of the existing afe and usable X vill help to age of ety and	
Option 21 Alternative 1	minor positive within East D transport new road network This is a state This is a state Proposed Opt Assessment C The impacts of prevent snow vehicular and maintain contribution	ve impacts for punbartonshire twork. The Ro k across East D utory requiren X tion: Plan and commentary: of this option v and ice, or th pedestrian tra nectivity acros	Population a e is safe for us bad Asset Mar Dunbartonshir hent and it is t X deliver an eff vill primarily r e consequence affic in East Du s our boundat	and Human He se and maintair nagement Plan re. therefore const therefore const X fective annual relate to Popula ces of any othe unbartonshire, ries and betwe	alth and Mathed to a stand (RAMP) will idered that th X Winter Service ation and Hur r adverse weat it is likely to p een communit	erial Assets in ard that does contribute to ere are no rea X e Policy nan Health. As ther condition provide benefit	a terms of ens not reduce the further manages sonable altern X s the Winter S a endangering ts in terms of t	uring that the e functionality gement of a sa natives. X ervice Policy w the safe passa nealth and safe	road network of the existing afe and usable X vill help to age of ety and	
Option 21 Alternative 1	minor positiv within East D transport ner road network This is a statu ment Proposed Opt Assessment C The impacts of prevent snow vehicular and maintain conr relation to bu	ve impacts for punbartonshire twork. The Ro k across East E utory requiren X tion: Plan and commentary: of this option v and ice, or th pedestrian tra nectivity acros siness operati X	Population a s is safe for us bad Asset Mar Dunbartonshir hent and it is t X deliver an eff vill primarily r e consequence affic in East Du s our boundar ons and abilit X	And Human He se and maintain nagement Plan re. therefore consi therefore consistency therefore	alth and Mathed to a stand (RAMP) will idered that th X Winter Servio ation and Hur r adverse wea it is likely to p een communit ployment.	erial Assets in ard that does contribute to ere are no rea X ee Policy nan Health. As ther condition provide benefit ies. This could	terms of ens not reduce the further manages sonable altern X s the Winter S , endangering ts in terms of H have economic	ervice Policy w the safe passa natives.	road network of the existing afe and usable X Vill help to age of ety and too in	

		-					conomies of sc			
		•	•	reputation a ge are reduce		ealth by cont	ributing to a s	afer road het	WORK	
Option Assess	· · · ·				u.					
Option 22	+	Х	Х	Х	Х	X	X	X	X	
Alternative 1	Proposed O	ption: Promo	te road safety	/ through scho	ols					
		•	•	-	fety Officers (JI	RSO)				
\checkmark		Commentary			<u>, , , , , , , , , , , , , , , , , , , </u>	,				\checkmark
	-	•	•		•		rojects will dire	•	•	
		•					wledge and un	derstanding of	f good practice	
					y to encourage					
Option 22 Alternative 2	?/+	Х	×	×	×	X	×	×	X	
	_									
	Proposed O	ption: Provid	e signage nea	r schools warn	ing drivers of	children cross	sing			
		ption: Provid Commentary		r schools warn	ing drivers of	children cross	sing			
	Assessment	Commentary	/:				sing afety and take o	consideration c	of children that	
	Assessment This alterna might be in	t Commentary tive option wo the vicinity. T	/: ould provide vi his will be par	isual warnings ticularly impor	to drivers to co tant in areas w	onsider road s vhere there a	afety and take o re schools. How	ever, this option	on is reliant on	
	Assessment This alterna might be in responsible	t Commentary tive option wo the vicinity. T driving and fa	/: ould provide vi his will be par	isual warnings ticularly impor	to drivers to co tant in areas w	onsider road s vhere there a	afety and take o	ever, this option	on is reliant on	
	Assessment This alterna might be in responsible and Human	t Commentary tive option wo the vicinity. T driving and fa	/: ould provide vi his will be par	isual warnings ticularly impor	to drivers to co tant in areas w	onsider road s vhere there a	afety and take o re schools. How	ever, this option	on is reliant on	
Option Assess	Assessment This alterna might be in responsible and Human ment	tive option wo the vicinity. T driving and fa Health.	<i>I</i> : buld provide vi his will be par ils to educate	isual warnings ticularly impor young people	to drivers to co tant in areas w of road safety,	onsider road s vhere there a reducing the	afety and take or re schools. How potential for po	ever, this options in the second s	on is reliant on	
Option Assess Option 23	Assessment This alterna might be in responsible and Human	t Commentary tive option wo the vicinity. T driving and fa	/: ould provide vi his will be par	isual warnings ticularly impor	to drivers to co tant in areas w	onsider road s vhere there a	afety and take o re schools. How	ever, this option	on is reliant on	
option Assess Option 23	Assessment This alterna might be in responsible and Human ment +	tive option wo the vicinity. T driving and fa Health.	y: buld provide vi his will be part ils to educate X	isual warnings ticularly impor young people X	to drivers to co tant in areas w of road safety, X	onsider road s vhere there an reducing the X	afety and take or re schools. How potential for po	ever, this options in the second seco	on is reliant on for Population +	✓
option Assess Option 23	Assessment This alterna might be in responsible and Human ment + Proposed O Assessment	tive option wo the vicinity. T driving and fa Health. X option: Identif	y: buld provide vi his will be part ils to educate X y suitable loca	isual warnings ticularly impor young people X ations and roll	to drivers to co tant in areas w of road safety, X out Urban Tra	onsider road s vhere there ar reducing the X affic Control s	afety and take of the schools. How potential for po	ever, this optionsitive impacts +/+ + ove traffic ma	on is reliant on for Population + nagement	✓
ption Assess Option 23	Assessment This alterna might be in responsible and Human ment + Proposed O Assessment The roll out	tive option wo the vicinity. T driving and fa Health. X Pption: Identif t Commentary of Urban Traf	y: buld provide vi his will be part ils to educate X y suitable loca y: ffic Control Sys	isual warnings ticularly impor young people X ations and roll	to drivers to co tant in areas w of road safety, X out Urban Tra appropriate, w	onsider road s vhere there ar reducing the X affic Control s ill have a dire	afety and take of re schools. How potential for po +/+ + ystems to impr ct influence on	ever, this options sitive impacts +/+ + ove traffic ma traffic flow wh	on is reliant on for Population + nagement ich in turn will	✓
ption Assess Option 23	Assessment This alterna might be in responsible and Human ment + Proposed O Assessment The roll out directly pos	tive option wo the vicinity. T driving and fa Health. Aption: Identif t Commentary of Urban Traf	y: buld provide vi his will be part ils to educate X y suitable loca y: fic Control Sys on Air Qualit	isual warnings ticularly impor young people X ations and roll stems, where a ty, Climatic Fa	to drivers to co tant in areas w of road safety, X out Urban Tra appropriate, w ctors, Materia	onsider road s where there an reducing the X affic Control s ill have a dire al Assets and	afety and take of re schools. How potential for po +/+ + ystems to impr ct influence on Population and	ever, this options sitive impacts +/+ + ove traffic ma traffic flow wh d Human Heal	on is reliant on for Population + nagement hich in turn will h in terms of	✓
ption Assess Option 23	Assessment This alterna might be in responsible and Human ment + Proposed O Assessment The roll out directly pos reducing co	tive option wo the vicinity. T driving and fa Health. yption: Identif t Commentary of Urban Traf		isual warnings ticularly impor young people X ations and roll stems, where a ty, Climatic Fa	to drivers to co tant in areas w of road safety, X out Urban Tra appropriate, w ictors, Materia contribute to u	onsider road s vhere there ar reducing the X affic Control s ill have a dire al Assets and urban heating	afety and take of re schools. How potential for po +/+ + ystems to impr ct influence on Population and and poor air qu	ever, this options itive impacts +/+ + ove traffic ma traffic flow wh d Human Heal ality, especiall	on is reliant on for Population + nagement nich in turn will th in terms of y in areas such	✓
option Assess Option 23	Assessment This alterna might be in responsible and Human ment + Proposed O Assessment The roll out directly pos reducing co as Bishopbr	tive option wo the vicinity. T driving and fa Health.	y: buld provide vi his will be part ils to educate X y suitable loca y: fific Control System con Air Qualit associated em sden where ar	isual warnings ticularly impor young people X ations and roll stems, where a ty, Climatic Fa issions which o n AQMA is des	to drivers to co tant in areas w of road safety, X out Urban Tra appropriate, w ictors, Materia contribute to u ignated, impro	onsider road s vhere there ar reducing the X affic Control s ill have a dire al Assets and urban heating oving journey	afety and take of re schools. How potential for po +/+ + ystems to impr ct influence on Population and and poor air qu times and contr	ever, this options sitive impacts +/+ + ove traffic ma traffic flow wh d Human Heal sality, especiall ributing to effici	n is reliant on for Population + nagement hich in turn will th in terms of y in areas such cient transport	✓
Option Assess	Assessment This alterna might be in responsible and Human ment + Proposed O Assessment The roll out directly pos reducing co as Bishopbr networks. S	tive option wo the vicinity. T driving and fa Health. X ption: Identif t Commentary of Urban Trafitively impact ngestion and iggs and Bears uch systems of		isual warnings ticularly impor young people X ations and roll stems, where a issions which o n AQMA is des o detect incide	to drivers to co tant in areas w of road safety, X out Urban Tra appropriate, w ictors, Materia contribute to u ignated, impro ents which can	onsider road s vhere there an reducing the X affic Control s ill have a dire al Assets and urban heating oving journey for increase safe	afety and take of re schools. How potential for po +/+ + ystems to impr ct influence on Population and and poor air qu	ever, this options sitive impacts +/+ + ove traffic ma traffic flow wh d Human Heal sality, especiall ributing to effice s and further e	here is reliant on for Population + nagement hich in turn will th in terms of y in areas such cient transport ensure that the	✓

Option 23	+	X	X	X	X	X	+	+	+
Alternative 2	Proposed O	ption: Implen	nent MOVA sy	stems at indiv	vidual junction	s across the a	uthority area		
	Assessment	: Commentary	/:						
			• •		• •				uality, Climatic
					-		-		onshire, where
						•	•		traffic patterns
			••	ortunities to i	mprove traffic	flow particula	arly at pressur	e points whic	ch can limit the
		ure of the imp	acts.						
Option Assessn		2/	27	2/		2/	. /		. /
Option 24 Alternative 1	+/++	?/-	?/-	?/-	+	?/-	+/+ +	+/+ +	+/-
	•	ures can inclu	••••	ate measures f	or reducing ve	nicie speeds t	o ennance the	appear of sus	stainable travel
		riageway mark							
V		alised road na	-						
			0.	contro onviro	nments e.g. pu	blic realm imr	vovements		
		nph speed lim		centre enviro	innents e.g. pu		novements		
		Commentary							
		•		or positive im	nacts across t	ne Fast Dunha	artonshire Cou	ncil-wide are	a as a result of
		•		•	•				ial Assets, such
	as the follow	•				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,
		•	king and localis	ed narrowing	would help to	naturally disco	ourage speedin	g which could	be particularly
			-	-	•	•		-	provision is not
	as v	vell integrated	d into the road	d network. Im	proved safety	for pedestria	ns and cyclists	could also co	ontribute to an
	incr	ease in active	travel particip	ation as an alt	ernative to car	travel.			
			•						d to/from new
		-					-		ith appropriate
						· ·			el. These place
		-		•					ually appealing
		•	•		neys. This can	have seconda	ry positive imp	acts to touris	m, active travel
		•	economic grov						
		•	•						ore sustainable
	tran	isport networ	k, the option	is likely to der	monstrate a co	mmitment to	reducing loca	lised air and	noise pollution

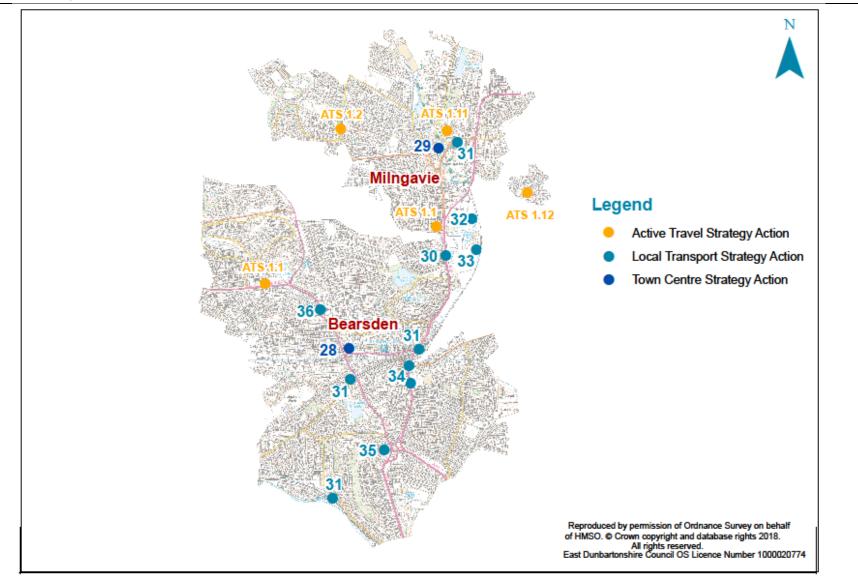
	two the	AQMA (Bisho risks of climat	e change at a	earsden Cros local level ind	s). This will als	o promote a oan heat islan	change in cult	ure and behav	unbartonshire's iour to address uvial and fluvial		
	impacts to a potential th potential to disturb valu	rise as a resul at alterations create constru ed soil assets	lt. Further info to the width uction waste, r	ormation will k of carriagew remove and/o and impact or	be required to vays will requind r disrupt habit n water due to	determine th re changes to ats and specie	e full nature or the existing the existing the existing the existing the existing the exist the exist of the	f the impacts, infrastructure risk of habitat	lity of negative but there is the which has the fragmentation, n Conservation		
	designations reusing or re changes as t All measures	s relating to b s or valued as ecycling waste the work is im s should also t	sets. Good pr wherever po plemented. take account c	actice guidan ssible. Provision of any cultural	ce should also on of alternati	be followed ve routes wou such as Listec	in relation to Ild also help to	reducing cons minimise any	l impact on any truction waste, impacts due to ction Areas and		
Option 24 Alternative 2	+	X	X	X	X	X	+/-	+/-	×		
		•		nes along the	majority of th	e A81 and A8	803 corridors.				
	Assessment Commentary:										
	This approach would contribute to slowing down traffic and help to reduce noise pollution, contributing towards minor positive impacts to Air Quality and Climatic Factors. In addition, reduced speeds along these main corridors would help to improve										
	impacts to A	Air Quality an			ion, reduced s	peeds along t	hese main cor	ridors would h	elp to improve		
	impacts to A safety and r	Air Quality an redress the ba	alance of prior	ity for differe	ion, reduced s ent road users	peeds along t as well as im	hese main cor prove the pec	ridors would h lestrian enviro	elp to improve nment in town		
	impacts to A safety and r centres with	Air Quality an redress the ba n positive imp	alance of prior acts to Popula	ity for differe ation and Hur	ion, reduced s ent road users man Health. H	peeds along t as well as im owever, the l	hese main cor prove the pec penefits of 20r	ridors would h lestrian enviro nph zones alor	elp to improve nment in town ng the A81 and		
	impacts to A safety and r centres with A803 have t	Air Quality an redress the ba n positive imp he potential t	alance of prior acts to Popula o be counter-	rity for differe ation and Hur productive in	ion, reduced s ent road users man Health. H comparison to	peeds along t as well as im owever, the l the benefits	hese main cor prove the pec penefits of 20r of reduced sp	ridors would h lestrian enviro nph zones alou eed limits in re	elp to improve nment in town ng the A81 and esidential, town		
	impacts to A safety and r centres with A803 have t centre and s	Air Quality an redress the ban positive imp he potential t chool zones as	alance of prior acts to Popula o be counter- s this may incr	ity for different ation and Hur productive in ease traffic co	ion, reduced s ent road users man Health. H comparison to ngestion, espe	peeds along t as well as im owever, the l the benefits cially at pinch	hese main cor prove the pec penefits of 20r of reduced sp points and pea	ridors would h lestrian enviro nph zones alou eed limits in re ak times, and ir	elp to improve nment in town ng the A81 and		

Parking

				SEA ENVIE	RONMENTAL	FACTORS				
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity , Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assessm	nent				-	-				
Option 25	+/+ +	Х	X	X	X	X	+	+	+	\checkmark
Alternative 1	Proposed Opt	tion: Produce	a Parking Stra	tegy for East [Dunbartonshir	e				
	Assessment C									
\checkmark	A Parking Stra	tegy for East	Dunbartonshir	e at key locatio	ons such as tov	vn centres, ra	ilway stations, r	esidential are	as and near	
	schools has th	ne potential to	encourage mo	ore people to t	travel sustaina	bly as parking	options will be	limited, encou	uraging a	
		-	•		• •		al Assets, Popu			
							es to improve he			
							AQMAs, and er			
		•	-	•			otions to create			
Ontion 25		erefore prese			in significant p		ts to Population			
Option 25 Alternative 2	?	ſ	<u> </u>	?	?	/ ?	<u> </u>	?	?	
Alternative 2			e to make deci	sions on an ac	l-hoc basis in li	ne with curre	ent practice			
	Assessment C	-	tion will not a	ncura concista		ng parking on	tions in East Du	nhartanchira	Thoroforo it	
					· ·		ts are uncertain			
			bach to parking			xtent of enec		at this stage (
Option Assessn				Simpletemen						
Option 26	+/+ +	?	?	?	?	?	+/+ +	+/+ +	+/+ +	
Alternative 1	•	tion: Increase	the availabili	tv of electric v	ehicle chargin	-		•		
	Assessment C									-
_		•	icles is expecte	d to increase	in the coming (decades. Asse	essing the currer	nt infrastructu	re and ways	
×			•		-		and ensuring a		•	
	charging poin	ts are availab	le to ED resid	ents. This will	present mino	r positive imp	acts to Materia	al Assets, Pop	ulation and	
	Human Healt	h, Climatic Fa	ctors and Air C	Quality, with th	ne potential for	r significant in	npacts, includin	g:		
	 A mo 	dal shift towa	rds sustainabl	e transport op	tions. Develop	ment of the	necessary infra	structure thro	ughout East	

	 Greater access to electric vehicle and related infrastructure has the potential to improve localised air quality particularly in areas of high pollutant levels such as Bearsden Cross and Bishopbriggs, which in turn will contribute to reducing the negative effects of climate change at a local level. This has secondary positive impacts to health and wellbeing. At this stage in the assessment, the nature of the impacts on the other environmental factors is unknown. This will be dependent on the type and number of infrastructure changes required as well as their location. Factors such as proximity to water bodies, cultural assets, soil assets and natural designations will need to be considered. 										
Option 26 Alternative 2	0/+	X	X	X	X	X	+	+	0/+		
Alternative 2	Proposed Opt	tion: Maintai	n the current l	Electric Vehicle	charging infr	astructure				1	
	Assessment C	commentary:								1	
	In comparisor	n to Alternativ	e 1, this optio	on is less likely	to result in b	enefits to the	environment	to the same ex	ctent. While		
						•		with the latest	011		
		•				•		ture that the in			
	in public space	es is unable to	cope with the	e rise in deman	d for electric v	ehicle chargir	ng, especially fo	or those who ca	nnot access		
	charging poin	ts within their	own homes.	Therefore posit	ive impacts to	Air Quality a	nd Climatic Fa	ctors are likely	to be minor		
	and impacts t	o Population	and Human He	eath and Mate	rial Assets neu	utral.					

Bearsden and Milngavie



27. Active Travel Strategy Actions

These actions will be delivered in line with the approach set out in East Dunbartonshire's Active Travel Strategy 2015 – 2020. Each of these options have been assessed as part of the SEA for East Dunbartonshire Council's Active Travel Strategy and therefore it has been determined that they will not be assessed as part of the LTS to avoid duplication.

28. Bearsden Town Centre Strategy Actions

These actions will be delivered in line with the approach set out in the Bearsden Town Centre Strategy. It was determined as part of the Screening for the Town Centre Strategy that effects were unlikely to be significant and therefore it has been determined that they will not be assessed as part of the LTS to avoid duplication.

29. Milngavie Town Centre Strategy Actions

These actions will be delivered in line with the approach set out in the Milngavie Town Centre Strategy. It was determined as part of the Screening for the Town Centre Strategy that effects were unlikely to be significant and therefore it has been determined that they will not be assessed as part of the LTS to avoid duplication.

Public Transport

				SEA ENVI	RONMENTAL	FACTORS				
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assess	ment									
Option 30	Proposed Op	tion: Deliver a	n A81 Quality	Bus Corridor						
Alternative	Assessment Commentary:									
1	This option w	as assessed as	part of the en	vironmental a	ssessment of t	he A81 Route:	Corridor Study	/ and, as the e	nvironmental	
	baseline has	not changed s	ignificantly, it	has been det	ermined that t	this option wi	ll not be subje	ct to an asses	sment at this	
	stage in order	r to reduce du	plication of as:	sessments.						
Option 30	+	?	?	?	?	-	+	+	+/-	
	Proposed Op	tion: Bus park	and ride on a	site alongsid	e the A81					

	Assessment (Commentary:																			
2	Creating a bus park and ride alongside the A81 in Bearsden will provide a means to reduce traffic levels around Bearsden and																				
	into Glasgow,	, potential con	gestion and as	sociated emis	ssions due to th	ne introductior	າ of a more sເ	ustainable mode	e of transport.												
	In addition, a	park and ride	facility in Bear	rsden will help	o to fill the exis	sting gap in ter	ms of access	to public transp	port provision												
	in relation to the current residential properties and planned development at Kilmardinny near Mosshead Road. This has the																				
	potential to reduce existing traffic levels along the A81, especially following an influx of people in relation to the Kilmardinny																				
	development, and will help to reduce air pollution and emissions levels. Overall, it is anticipated that this proposal would																				
	present minor positive environmental effects for Population and Human Health, Material Assets, Climatic Factors and Air Quality. However, this option will require new or changes to infrastructure within a primarily residential area which can disrupt current transport links and significant increase the risk of construction waste, construction traffic and surface-water run-off and release of pollutions to waterbodies and the air, presenting potential negative effects for Material Assets and																				
												Water Qualit	у.								
											Option Asses							_			
											Option 31	+/-	-	×	Х	-	×	-/+	-/+/	-/+	
Alternative	Proposed Option: Investigate the design and implementation requirements of parking options at rail stations on the A81																				
1	corridor																				
	The 2015 and 2018 A81 route corridor studies have included a number of options for increasing parking at rail stations																				
		l 2018 A81 rou	ite corridor stu	udies have inc	luded a numbe	er of options fo	or increasing	parking at rail s	stations												
\checkmark	including:			udies have inc	cluded a numbe	er of options fo	or increasing	parking at rail s	stations												
✓	including: - Decking at N	Ailngavie stati	on	udies have inc	luded a numbo	er of options fo	or increasing	parking at rail s	stations												
√	including: - Decking at N - Decking at V	∕lilngavie statio Vesterton stat	on ion	udies have inc	cluded a numbo	er of options fo	or increasing	parking at rail s	stations												
√	including: - Decking at N - Decking at V - Decking at E	Milngavie statio Westerton stat Bearsden statio	on ion on				or increasing	parking at rail s	stations												
~	including: - Decking at N - Decking at V - Decking at E - Provision of	Milngavie statio Westerton stat Bearsden statio additional par	on ion on		cluded a numbo		or increasing	parking at rail s	stations												
√	including: - Decking at N - Decking at V - Decking at E - Provision of Assessment (Milngavie station Westerton stat Bearsden station additional par Commentary:	on ion on rking for Hillfo	ot station at s	outh Kilmardir	ny															
•	including: - Decking at N - Decking at V - Decking at E - Provision of Assessment O The full natur	Milngavie station Westerton station Bearsden station additional par Commentary: The of effects ar	on ion on rking for Hillfo re likely to be o	ot station at s dependent or	south Kilmardir In the chosen lo	nny poation for par	king both on	and off-site. He	owever, there												
•	including: - Decking at N - Decking at N - Decking at E - Provision of Assessment O The full natur are likely to b	Milngavie station Westerton station Bearsden station additional par Commentary: The of effects ar	on ion on rking for Hillfo re likely to be o	ot station at s dependent or	south Kilmardir In the chosen lo	nny poation for par	king both on		owever, there												
•	including: - Decking at N - Decking at N - Decking at E - Provision of Assessment O The full natur are likely to b effects:	Milngavie station Westerton station Bearsden station additional par Commentary: re of effects ar be negative im	on ion on rking for Hillfo re likely to be o pacts to Cultu	ot station at s dependent or Iral Heritage,	outh Kilmardir the chosen lo Landscape, Ai	nny ocation for par r Quality and (king both on Climatic Fact	and off-site. Ho	owever, there the following												
•	including: - Decking at N - Decking at N - Decking at E - Provision of Assessment O The full natur are likely to b effects: • Poter	Milngavie station Westerton station Bearsden station additional par Commentary: re of effects ar be negative im Intial detraction	on ion rking for Hillfo re likely to be o pacts to Cultu n from the adja	ot station at s dependent or Iral Heritage, acent Conserv	outh Kilmardir In the chosen lo Landscape, Air vation Area stat	nny ocation for pari r Quality and o tus and Towns	king both on Climatic Fact	and off-site. Ho ors in terms of	owever, there the following is within close												
•	including: - Decking at N - Decking at N - Decking at E - Provision of Assessment O The full natur are likely to b effects: • Poter proxi	Milngavie station Westerton station Bearsden station additional par Commentary: re of effects ar be negative im Intial detraction mity of Milnga	on ion on rking for Hillfo re likely to be o pacts to Cultu n from the adja ivie railway sta	ot station at s dependent or Iral Heritage, acent Conserv Ition car park	south Kilmardir In the chosen lo Landscape, Air vation Area stat and the Old Be	nny ocation for part r Quality and o tus and Townso arsden Conser	king both on Climatic Fact cape Protecti vation Area i	and off-site. Ho	owever, there the following is within close												
	including: - Decking at N - Decking at N - Decking at E - Provision of Assessment O The full natur are likely to b effects: • Poter proxi static	Milngavie station Vesterton station Bearsden station additional par Commentary: re of effects ar be negative im Intial detraction mity of Milnga on is located du	on ion on rking for Hillfo re likely to be o pacts to Cultu n from the adja ivie railway sta ue to the visua	ot station at s dependent or iral Heritage, acent Conserv ition car park a al impact of de	south Kilmardir In the chosen lo Landscape, Air vation Area stat and the Old Be ecking in the to	nny ocation for par r Quality and tus and Towns arsden Conser own centre are	king both on Climatic Fact cape Protecti vation Area i a;	and off-site. Ho fors in terms of ion Area which i n which the Bea	owever, there the following is within close ursden railway												
	including: - Decking at M - Decking at M - Decking at E - Provision of Assessment (The full natur are likely to b effects: • Poter proxi static • Encor	Milngavie station Vesterton station Bearsden station additional par Commentary: re of effects ar pe negative im Intial detraction mity of Milnga on is located de uragement of mil	on ion rking for Hillfor re likely to be o pacts to Cultu n from the adja ivie railway sta ue to the visua car use to acce	ot station at s dependent or tral Heritage, acent Conserv tion car park s al impact of de ess the train s	outh Kilmardir In the chosen lo Landscape, Air vation Area stat and the Old Be ecking in the to tation for onwa	nny ocation for part r Quality and o tus and Towns arsden Conser own centre are ard travel, resu	king both on Climatic Fact cape Protecti vation Area i a;	and off-site. Ho ors in terms of	owever, there the following is within close ursden railway												
	including: - Decking at N - Decking at N - Decking at E - Provision of Assessment O The full natur are likely to b effects: • Poter proxi static • Encou in all	Milngavie station Vesterton station Bearsden station additional par Commentary: re of effects ar be negative im Initial detraction mity of Milnga on is located do uragement of a locations and	on ion on rking for Hillfo re likely to be o pacts to Cultu n from the adja ivie railway sta ue to the visua car use to acce contributing to	ot station at s dependent or iral Heritage , acent Conserv ition car park al impact of de ess the train s o localised eff	south Kilmardir In the chosen lo Landscape, Air vation Area stat and the Old Be ecking in the to	nny ocation for part r Quality and tus and Towns arsden Conser own centre are ard travel, resu	king both on Climatic Fact cape Protecti vation Area i va; ulting in an in	and off-site. Ho fors in terms of ion Area which i n which the Bea acrease of localis	owever, there the following is within close ursden railway												

	train for onw provision was poor Air Qua risk area, whi secondary im related impa Although the sustainable o be negative in However, the to all locatio particularly w air quality ha Proposed Mi Some of the	vard travel by l s an issue rest lity locally and ch may result pacts to train s cts for Popula proposed opti ptions for onw mpacts to Mat ere is the poter ns by enhanci vhere parking v <u>s the potential</u> tigation: negative impa	helping to end ricting use pro- increasing the in significant e service efficient tion and Hur ion will promo- vard travel, the rerial Assets in the train of the presen- ing connectivities was a constraint to affect heap cts of this opt	courage conne eviously, this e negative effe effects to Clim ncies. The imp nan Health as one option does n terms of con it positive imp ty for people nts for using t lth negatively	ectivity for Po option is likely ects for Climat atic Factors by acts to air qua s there will be the current tr not entirely p struction was acts for Popul to access ess he rail networ as a result of ith EDC's cont	pulation and l v to increase p ic Factors. Fur y increasing the lity and flood r e an enhanced ansport netwo promote sustante. ation and Hur sential services k for onward t emissions in the crol at this stage	e effects; this o Human Health, private vehicle o thermore, the s e risks for futur isks has the pot d risk of exposi ork to some ext inable transpor man Health and s, employment travel. However he air, particula	particularly v use, further c site is located re flooding in ential for seco ure to transpo ent in terms c t networks. T Material Ass and leisure r, the mentior	where parking ontributing to within a flood this area, with ondary health- ort emissions. of encouraging here may also ets in relation opportunities, hed impacts to able people.	
	 Imple 	ptions such as ementation of I practice guida	construction	management	plans	-	clude:			
		sion of alterna			-	·				
Option 31	+/+ +	-	X	X	X	X	+	+	+	
Alternative 2		tion: Extensio	n of segregat	ed Bears Way	cycleway (ph	ases 2 and 3)				
2	The proposal encouraging beneficial for to utilise a s Bearsway has as an alterna	greater use of Population and afer environm the potential tive to vehicle	f cycling as a nd Human He ent for active to contribute use, reducing	means of act ealth, with the e travel as we to a shift tow local emission	ive travel for potential for ell as to bene vards a more s ns and helping	both leisure a significant eff fit from the h sustainable tra ; to improve ai	Kessington to (nd commuting ects, as it will g ealth benefits nsport networl r quality and lir lity, Climatic Fa	into Glasgov vive people th of cycling. In k which in tur miting the neg	v. This will be e opportunity addition, the n can be used gative impacts	✓

	changes to the	ne existing roa	for Phase 2 pa d network, the impacts to Clin	ere is the pote					lve significant acting from its	
Option Assess	sment								÷	
Option 32	?	?	?	?	?	?	?	?	?	
Alternative 1	Proposed Option: Undertake a study in line with Scottish Transport Appraisal Guidance on the A81 Corridor to assess options for enabling a shift to sustainable transport, including options for improving performance of the Milngavie railway line									\checkmark
√				cts on each e	environmental	factor is unc	ertain until th	e study findin	gs have been	
Option 32	?	?	?	?	?	?	?	?	?	
Alternative	Proposed Op	otion: Await th	ne outcome of	the work bein	ng taken forwa	ard by the Sco	otRail Alliance			
2	At this stage reported and		ment the effe	cts on each e	environmental	factor is unc	ertain until th	e study findin	gs have been	
Option Assess	sment +		2	?			. /			
Option 33 Alternative	-	-	•	•	+	- Dovelonm	+/-	+/-	+/- rail station at	
1			an associated			cal Developm	ient Plan 2 10	a potential	rail station at	
		Commentary:								
•	The safeguar preserving an access in ord this option v	rding of land for n opportunity ler to reduce t vill be minor p nift towards a	or a new rail st for a new sus he proportion	tainable trans of journeys m pulation and	sport facility is nade by privat Human Healt	a made, with te vehicle. The h, Air Quality	the potential terefore it is an c. Climatic Fac	to improve put ticipated that tors and Mate	ommitment to blic transport the effects of erial Assets in ons and better	~
	station and P need to be g creating the f	&R facility in t given to the va facilities on dra		ight result in r signation. Fur er flood risks s	negative impa thermore, the should be cons	cts to Cultural e site is within sidered as the	l Heritage and n medium risk re may be the	therefore con flood risk are potential for n	sideration will ea; impacts of ninor negative	

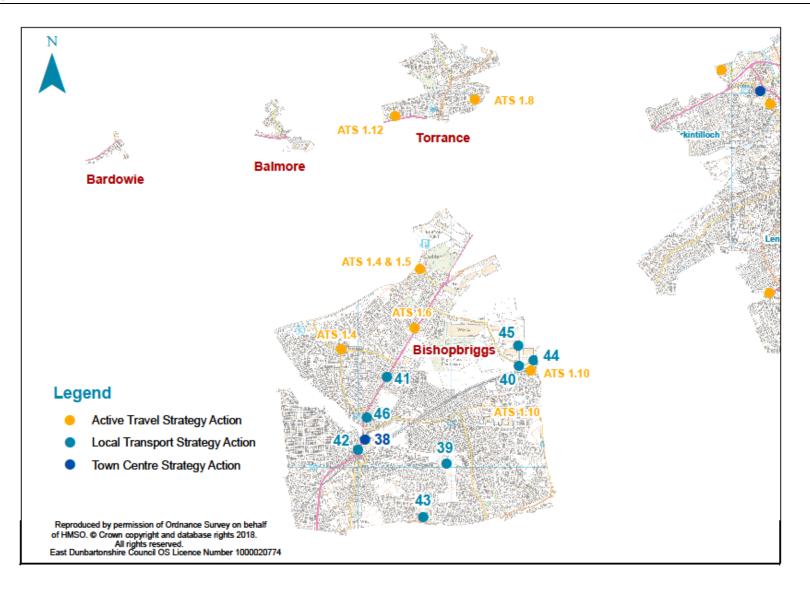
	impacts to constructio	Material Assets n waste.	in terms of re	equiring infrast	ructure chang	es which may	disrupt the ex	isting network	and result in
		Air Quality, wh ea especially at		•	•	•		ould be increa	ased traffic in
		pment of a nev pacts to Soil and		d encourage o	options for re	mediation of	contaminated	land, therefor	re presenting
	Proposed N								
	des	verse effects on t ign and approp os) and by reduc	riateness of s	treet furniture					
	to a	ure that all new ppropriate envi ensure that the o	ronmental pr	otection stand	ards, good cod	es of practice,	construction	principles and	design guides
	 Ens 	ure all new tran imise pollution	nsport interve	entions and tra	insport improv	vement works	will implement	-	
	infr	ere disruption astructure in the	e short-term			C C		·	
Option 33	• Goo	od practice guid		X		X	anagement an	u waste mana	X
Iternative	-				~	^	-	-	
2	-	ption: Remove	safeguarding	of the land					
		t Commentary:	any opportur	vities to provid	a a now susta	inable transp	ort option in P	oarsdon Thor	ofore there is
		would prevent no effects to m							
		Quality and Cl				•		-	
		n private vehicle				is will be redu			
		private verner							

Roads

Option Assessment	
Option 34 Proposed Option: Deliver junction improvements on the A81	

Alternative										\checkmark
	Improve the c	•	•							
_		Ailngavie Road	-	-						
\checkmark		Bearsden/A8	1 Milngavie Ro	bad/West Cha	ipelton Avenu	e				
	Assessment C	•								
									environmental	
		-				•	•		ssment at this ner study it is	
	considered th		•		As this optic	on has been c	committed to	through anoth	ier study it is	
Option Assess				ternative.						
Option 35		X	X	X	×	X			. /	
Alternative	+	-	-	-	X	~	+/+ +	+	+/-	V
1	Proposed Opt	•	Canniesburn	Toll for all roa	ad users					
	Assessment C	-								
				-			-	-	involving the	
\checkmark		•	-		•			•	reallocation of	
	•			•					n and Human	
	Health. Impr	ovements to t	the pedestriar	n environment	t will help to o	dispel barriers	to walking an	d cycling there	efore increase	
	active travel	participation	and would als	so help to rec	duce congesti	on, journey ti	mes are likely	to be reduce	d, the overall	
			•			•	-	• •	mproved. This	
							-	-	Area (AQMA);	
	improvement	s to localised	air quality as a	a result of this	option has th	e potential to	result in signif	ficant positive	effects for Air	
	Quality. Addi	tional benefit	s of delivering	g this option ir	nclude improv	ed access and	d parking for n	earby busines	ses. However,	
	there is scope	within the op	tion to improv	ve the functior	n of the round	about at Cann	iesburn Toll; th	his has the pote	ential to result	
	in negative in	npacts to Mat	erial Assets ir	n terms of req	uiring infrastr	ucture change	es which may o	disrupt the exi	sting network	
	and result in o	construction v	vaste.							
	Proposed Mit	tigation:								
	 Wher 	e disruption	to routes and	l bus stops/sh	nelters occurs	arrangement	s should be n	nade to provi	de alternative	
	infras	tructure in th	e short-term							
	 Good 	practice guida	ance should b	e followed rel	ating to const	ruction dust m	nanagement ar	nd waste mana	agement	
Option 35	+/-	X	X	X	X	X	X	X	+/-	
Alternative 2	Proposed Opt	tion: Re-desig	n roundabout	t at Canniesbu	ırn Toll					
	Assessment C									

	 part signalising of the roundabout removal of pedestrian path round the outside of the roundabout 	
	 redesign the area outside the front of the shops (no clear design decided yet for this, possible options include a bypass road directly outside the row of shops. 	
	This option has the potential to result in minor positive impacts to both Population and Human Health and Material Assets as it will provide positive infrastructure changes to help improve connectivity throughout Bearsden and wider to Glasgow in a way that encourages safe travel. However, there is also the potential for minor negative to Population and Human Health in terms of possible fragmentation of the existing paths for walking and cycling. There may also be short-term disruption for local businesses.	
Option Asses	sment	
Option 36 Alternative	Proposed Option: Continue to monitor air quality in Bearsden and deliver actions for improving local air quality in line with obligations for an Air Quality Management Area	\checkmark
1	Assessment Commentary: The monitoring of air quality in designated AQMAs in East Dunbartonshire is a statutory requirement. The most recent	
\checkmark	Bishopbriggs Air Quality Management Plan has previously been subject to SEA (Screening) where it was determined that the Plan was unlikely to result in significant positive or negative environmental impacts. Therefore this option will not be subject to SEA at this stage and consequently, there are no reasonable alternatives.	



Active Travel – Walking and Cycling

37. Active Travel Strategy Actions

Each of these options have been assessed as part of the SEA for East Dunbartonshire Council's Active Travel Strategy and therefore it has been determined that they will not be assessed as part of the LTS to avoid duplication.

38. Bishopbriggs Town Centre Strategy Actions

These actions will be delivered in line with the approach set out in the Bishopbriggs Town Centre Strategy. It was determined as part of the Screening for the Town Centre Strategy that effects were unlikely to be significant and therefore it has been determined that they will not be assessed as part of the LTS to avoid duplication.

				SEA ENVI	RONMENTAL	FACTORS				
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assess	sment									
Option 39	+	X	X	Х	X	X	+	+	+	\checkmark
Alternative	Proposed Op	tion: Deliver i	mprovements	to the Bisho	briggs path n	etwork				
1	Assessment	Commentary:	-							
	Improving th	e path netwo	rk throughout	Bishopbriggs	will help to im	prove conne	ctivity to existi	ng paths and	networks and	
\checkmark							ncourage activ			
		•	•	•			nan Health, an			
	•	•		uality and Cli	matic Factors i	n terms of th	e potential pro	moting active	travel has on	
	reduce assoc	iated emissior	IS.					1	.	
Option 39	0	X	0	X	X	X	×	X	X	
Alternative	Proposed Op	tion: Maintai	n current core	path networl	k	1	1	1	1	
2	Assessment	Commentary:		-						

While maintenance of the current path network ensures they are at kept at a consistent standard, it fails to build on their connections to the wider active travel links throughout Bishopbriggs. Therefore effects to Population and Human Health, and Biodiversity, Flora and Fauna are likely to be neutral due to limitations of expanding the existing network.

Public Transport

				SEA ENVI	RONMENTAL	FACTORS				
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assess	sment									
Option 40				ility of a Bus P	ark and Ride a	adjacent to W	esterhill Road	and rail line		\checkmark
Alternative		Commentary:								
1			•				803 Route Co	•		
\checkmark			-				hat this optior	n will not be s	subject to an	
Option 40			order to reduc			1				
Alternative	+	X	X	X	X	X	+	+	+/-	
Alternative 2	Proposed Op	otion: Bus Parl	k and Ride in t	he vicinity of t	the B757/KLR					
		Commentary:								
	-	•		•			reduce traffic l			
							almore and B			
	· ·	-					of a more sust			
		•			•		nental effects t			
							l require new o le risk of const	-		
			•	•	-		air, presenting			
	for Material					bules and the	an, presenting		gative effects	
		A35Ct3.								
Uption Assess										
•	Proposed Or	tion: Deliver	an A803 Quali	ty Bus Corrido	or					
Option Assess Option 41 Alternative		otion: Deliver Commentary:	an A803 Quali	ty Bus Corrido	or					\checkmark

			•				A803 Route C that this optio	•			
V			-		of assessmen						
Option 41	+/+ +	Х	X	X	X	X	+	+	+/-		
lternative 2	Proposed Option: Continue to develop bus infrastructure through reliance on annual SPT capital programme for stop and shelter improvements										
	Bus stop and term basis wi provide valua of bus travel areas where a bus travel as impacts on C more sustain air quality.	ith direct posi able assistance in an area wh access to rail s well as impro limatic Factor able network	vements, in ge tive and pote e and improve here bus patro stations is limit ove its attract rs, Air Quality and support s	ntially signific ements for the onage is lower ted. These imp viveness as a s and Materia sustainable tra	antly positive e overall passe than the nation provements are sustainable tra I Assets in ter avel agendas ir	mpacts to Penne experient onal averages e likely to import vel mode. The ms of encourt n its role towa	ucture enhance opulation and nce. This is like s, particularly i prove the effect ere is also like raging a modal ards reduction -scale there m	Human Health ly to encourag n more rural le tiveness and fu ely to be secor shift in transp air pollution a	as it aims to ge greater use ocations or in unctionality of ndary positive portation to a and improving		
				construction in	npacts and the	•	ninor short-ter	m disruptions	to routes and		
ption Assess	use of bus sto	ets in terms o ops and shelte		construction ir	npacts and the	•	ninor short-ter	m disruptions	to routes and		
	use of bus sto			construction ir	npacts and the	•	hinor short-ter	m disruptions	to routes and		
Option 42	use of bus sto sment +	ops and shelte	ers.	X	×	ere may be m	+			✓	
Option 42	use of bus sto sment + Proposed Op	ops and shelte	x an integrated	X		ere may be m	+			√	
Option 42	use of bus sto sment + Proposed Op Assessment (X tion: Deliver a	x X An integrated	X transport huk	X D in Bishopbrig	ere may be m X gs town cent	+	+	+		
Option 42	use of bus sto sment Proposed Op Assessment O An Integrated Bishopbriggs	bps and shelte X tion: Deliver a Commentary: d Transport H Town Centre	an integrated Hub and asso will enable loo	X transport hut ciate public r cal residents t	in Bishopbrig ealm works (a o have better	ere may be m X gs town cent as part of th access to mu	+ re e Bishopbrigg: lti-modal trans	+ s Town Centre	+ e Strategy) in This will likely	~	
Option 42	use of bus sto sment + Proposed Op Assessment C An Integrated Bishopbriggs result in posit	X tion: Deliver a Commentary: d Transport F Town Centre tive impacts to	an integrated Hub and asso will enable loo D Population a	X transport huk ciate public r cal residents t and Human He	X b in Bishopbrig realm works (a to have better ealth by provid	ere may be m X gs town cent as part of th access to mu ling better op	+ e Bishopbrigg: lti-modal trans	+ s Town Centre sport options. To people to acc	+ e Strategy) in This will likely ress their local	~	
Option 42	use of bus sto sment Proposed Op Assessment O An Integrated Bishopbriggs result in posit town centre a	tion: Deliver a Commentary: d Transport H Town Centre tive impacts to and use a rang	An integrated Hub and asso will enable loo Population a e of transport	X transport huk ciate public r cal residents t and Human He coptions for fu	a in Bishopbrig ealm works (a to have better ealth by provic irther travel, fo	ere may be m X gs town cent as part of th access to mu ling better op r example int	+ e Bishopbriggs lti-modal trans oportunities for co Glasgow. Thi	+ s Town Centre sport options. people to acc s will encourag	+ e Strategy) in This will likely sess their local ge sustainable	✓	
Option 42	use of bus sto sment Proposed Op Assessment O An Integrated Bishopbriggs result in posit town centre a travel and im	tion: Deliver a Commentary: d Transport H Town Centre tive impacts to and use a rang prove connect	An integrated Hub and asso will enable loo population a se of transport ctivity, resultin	X transport hut ciate public r cal residents t and Human He coptions for fu ng in minor po	X b in Bishopbrig realm works (a to have better ealth by provic orther travel, for ositive impacts	ere may be m X gs town cent as part of th access to mu ling better op r example int s to Material	+ e Bishopbrigg lti-modal trans oportunities for to Glasgow. Thi Assets. Furth	+ s Town Centre port options. people to acc s will encourage ermore, this o	+ e Strategy) in This will likely tess their local ge sustainable ption has the	✓	
Option 42	use of bus sto sment + Proposed Op Assessment C An Integrated Bishopbriggs result in posit town centre a travel and im potential to r	tion: Deliver a Commentary: d Transport F Town Centre tive impacts to and use a rang prove connect reduce car jou	An integrated Hub and asso will enable loo D Population a re of transport ctivity, resultin urneys throug	X transport huk ciate public r cal residents t and Human He coptions for fu ng in minor pe	a in Bishopbrig realm works (a to have better ealth by provid orther travel, for ositive impacts to Town Centre	ere may be m X gs town cent as part of th access to mu ling better op r example int s to Material e with benef	+ e Bishopbriggs Iti-modal trans oportunities for to Glasgow. Thi Assets. Furthe its to Air Qual	+ s Town Centre sport options. people to acc s will encouragermore, this o ity and Climat	+ e Strategy) in This will likely ress their local ge sustainable ption has the tic Factors by	✓	
Option Assess Option 42 Alternative 1	use of bus sto sment + Proposed Op Assessment O An Integrated Bishopbriggs result in posit town centre a travel and im potential to r reducing asso	tion: Deliver a Commentary: d Transport H Town Centre tive impacts to and use a rang prove connect reduce car jou pociated emissi	An integrated Hub and asso will enable loo D Population a e of transport ctivity, resultin urneys throug ons. This will	X transport huk ciate public r cal residents t and Human He coptions for fu ng in minor po gh Bishopbrigg have longer-t	X b in Bishopbrig realm works (a to have better ealth by provid orther travel, for ositive impacts as Town Centra erm benefits f	ere may be m X gs town cent as part of th access to mu ling better op r example int s to Material e with benef or the overal	+ e Bishopbriggs lti-modal trans oportunities for co Glasgow. Thi Assets. Furthe its to Air Qual ll air pollution	+ s Town Centre sport options. people to acc s will encourage ermore, this o ity and Climat levels at Bisho	+ e Strategy) in This will likely sess their local ge sustainable ption has the tic Factors by opbriggs Cross	✓	
Option 42	use of bus sto sment Proposed Op Assessment O An Integrated Bishopbriggs result in posit town centre a travel and im potential to r reducing asso which is curre	tion: Deliver a Commentary: d Transport H Town Centre tive impacts to and use a rang prove connect reduce car jou pociated emissi	An integrated Hub and asso will enable loo D Population a ce of transport ctivity, resultin urneys throug ons. This will ed as an Air Qu	X transport huk ciate public r cal residents t and Human He coptions for fu ng in minor po gh Bishopbrigg have longer-t	X b in Bishopbrig realm works (a to have better ealth by provid orther travel, for ositive impacts as Town Centra erm benefits f	ere may be m X gs town cent as part of th access to mu ling better op r example int s to Material e with benef or the overal	+ e Bishopbriggs Iti-modal trans oportunities for to Glasgow. Thi Assets. Furthe its to Air Qual	+ s Town Centre sport options. people to acc s will encourage ermore, this o ity and Climat levels at Bisho	+ e Strategy) in This will likely sess their local ge sustainable ption has the tic Factors by opbriggs Cross	✓	

Option 42	+	?/-	?/-	?/-	X	?/-	+/-	+/-	+/-
Alternative 2	Proposed Op	tion: Segregat	ted cycleway	on A803					
		Commentary:							
				e A803 that run	-			-	•
		•	Population a	nd Human Hea	alth, Air Qua	ity, Climatic F	actors and M	aterial Assets	including the
	following effe							a for a literative literative	
				sustainable tra in car-relatior	•	-	•		•
				nis is particular				0 0	•
			-	as the cyclewa	•		-		
			•	e rest of East D		-		is busy route t	
	-	•		g health and we			of cycling incre	ase due to the	role of active
				l and physical h	• •		, .		
	Bette	er connectivity	between Stra	athkelvin Retai	l Park, Bishop	briggs Town C	entre and Bish	opbriggs Rail S	tation; and,
	 A seg 	regated cyclev	way has the p	otential to red	uce speeding	due to a reduc	ction in the roa	ad width.	
	or secondary Quality, Air C Althc scale of co level; Rook the ir There greer	negative impa Quality, Climat ough the work of construction ngestion along ery Plantation mpact of creat	acts that may tic Factors and likely to be re- on, there is the g the A803 wh LNCS for bio ing a segrega secondary im	benefits for the result for Cultu d Material Ass equired to crea e potential that ich in turn can diversity is loca ted cycleway o pacts of const	Iral Heritage , ets including te a segregate t any interver enhance the ated to the w n biodiversity	Biodiversity, I the following: ed cycleway ale ation of the exi risk of traffic e est of the A80 value; and,	Flora and Faur ong the A803 v sting road net missions and p 3 – considerat	na, Soil and Ge will be minimu work could inc boor air quality ion will need t	ology, Water m in terms of rease the risk at a localised o be given to
Option Asses	sment		-	-		-	-		
Option 43	+/+ +	X	X	X	X	X	+/+ +	+/+ +	+/+ +
Alternative	Proposed Op	tion: Deliver a	a bus hub in A	uchinairn	1				
		Commentary:							

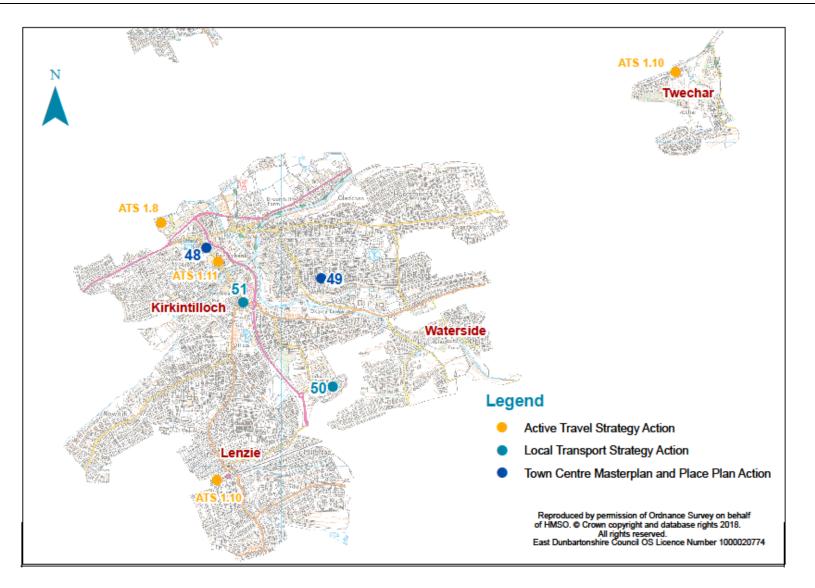
	and climate ch Health, Air Q enhance integ travel within E to a car. Furth	nange benefit: uality, Mater grated travel r ast Dunbarto nermore, this d Bishopbrigg	s. In particular rial Assets an networks betw nshire. It will a proposal is lik gs, in particula	, the proposed d Climatic Fa veen cycling, v also specificall kely to encour ar, and the im	d option may p ctors, with the walking and bu ly benefit those rage a modal s oproved bus us	resent minor e potential fo s use. This wil e who are soci hift in transpo	acts for the loc positive effects r significant effects l provide more ally excluded o ort to a more so reduce emiss	to Population ffects, as it we copportunitie or don't have r sustainable ne	n and Human yould actively s for locals to regular access etwork within
Option 43	+	X	Х	X	X	X	+	+	+
lternative 2	Proposed Opt	ion: Impleme	ent RTPI in Bis	hopbriggs and	d Lenzie alone				
			se checes ue		assessment 0		Option 2 Altern		e breater rear
ption Assess	benefits for th					only have the	ese units in the	town centres	s reduces the
Option 44	benefits for th					only have the	ese units in the	town centres	s reduces the
Option Assess Option 44 Alternative 1	benefits for th sment +	tion: Continu	llation of East -/ e to safeguar	Dunbartonshi ? d land in the	emerging Loo	X	1	+/-	+/-

	to the prop impacts to	pment of a new posed location. Biodiversity, Flo ased traffic and	This would be ora and Fauna	e adversely im depending on	npact on this I the scale of t	designation \ he station an	with the poten d park and ride	tial for signific facility. There	ant negative is also likely	
	Proposed N Adv qua (bu Ens adr des gro Ens mir • Wh	Aitigation: verse effects or ality, design and s stops) and by sure that all ne nere to appropu- sign guides to en undwater. sure all new tran nimise pollution nere disruption	the characte appropriatence reducing stree w transport i riate environm nsure that the nsport interve from surface to routes and	er and quality ess of street fu et clutter. nterventions a nental protect correct meas ntions and tra water runoff e	of conservation irniture, lightion and transport ion standards ures are imploon nsport improonation .g. oil separat	on areas will ng, road signs : improvement s, good codes emented to p vement work ors and silt tr	be avoided or s, safety feature nt works invol s of practice, o prevent the pol s will implement aps.	reduced by in es, public trans ving constructi construction pr lution of surface nt appropriate	nproving the port facilities ion activities rinciples and ce water and measures to	
		astructure in th od practice guid		e followed rela	ating to const	ruction dust r	nanagement ar	nd waste mana	gement	
Option 44 Alternative	X	X	X	X	X	X	-	-	X	
2	Assessmen	Option: Remove t Commentary:		ities to provide			ort option in Be	arsden. Theref	ore there is e effects in	

Roads

SEA ENVIRONMENTAL FACTORS

Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assess	sment									
Option 45	?	?	?	?	?	?	?	?	?	
Alternative	Proposed Op	tion: Work or	n developing a	Glasgow City	Region City De	al project for	East Dunbart	onshire		
1	Assessment	Commentary:								
	At this stage	, the likely eff	ects on each of	the environn	nental factors	cannot be det	termined. Furt	her details of	the project,	
\checkmark	which have n	ot been finalis	sed, would be r	equired to ful	ly assess this o	ption.				
	There are no	reasonable al	ternatives at th	is stage.						
Option Assess	sment									
Option 46	Proposed Op	tion: Continu	e to monitor ai	r quality in Bi	shopbriggs and	d deliver actio	ons for improv	ing local air q	uality in line	
Alternative	with obligati	ons for an Air	Quality Manag	gement Area			-		-	
1	Assessment	Commentary:								
	The monitori	ng of air qualit	y in designated	AQMAs in Ea	st Dunbartons	hire is a statut	ory requireme	nt. The updat	ed Bearsden	
		• •	, lan (2017) has j					•		
		-	nificant positive	•	•		-			
		-	quently, there	-		•	·		-	



Active Travel – Walking and Cycling

47. Active Travel Strategy Actions

These actions will be delivered in line with the approach set out in the Active Travel Strategy 2015 – 2020. Each of these options have been assessed as part of the SEA for East Dunbartonshire Council's Active Travel Strategy and therefore it has been determined that they will not be assessed as part of the LTS to avoid duplication.

48. Kirkintilloch Town Centre Masterplan Actions

These actions will be delivered in line with the approach set out in the Kirkintilloch Town Centre Strategy. It was determined as part of the Screening for the Town Centre Strategy that effects were unlikely to be significant and therefore it has been determined that they will not be assessed as part of the LTS to avoid duplication.

49. Draft Hillhead and Harestanes Place Plan Actions

				SEA ENVI	RONMENTAL	FACTORS				
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversit y, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assess	ment									
Alternative	?	?	?	?	?	?	?	?	?	
	• •	etwork identi	fied in Place St	•		• •	t barriers or pe alk at night, po			
	Assessment	Commentary:								
	At this stage	in the asses	sment, the nat	ure of the in	npacts on the	other enviror	nmental factor	rs is unknown	. This will be	
	-		e of the analysi		-		-			
							llhead and Har			
			•	•		are no reason	able alternativ	es. The Place F	Plan and Local	
	Outcomes Im	provement P	lan have been s	subject to SEA	۱.					
Option Assess	ment									

	+/+ +	X	Х	Х	Х	X	+/+ +	+/+ +	+/+ +	\checkmark				
1	Proposed O	ption: Throug	h the develo	pment of loc	al access and	active travel	projects, fo	r example as	part of the					
	Kirkintilloch	Town Centre I	Masterplan o	r ED Loop, ens	ure connectio	ons and linkage	es to neighbo	urhoods such	as HHHS are					
\checkmark	considered.													
	Assessment	Commentary:												
		s likely to prese	•											
		the potential	-		•	ential to prom	ote active tra	vel, move tov	vards a more					
	sustainable t	ransport netwo	ork and impro	ve connectivit	у.									
		ممم بينال لمم ماما	ivered in line						Diam and the					
		ons will be del been establish												
		provement Pla	•	•		are no reasona								
ption Asses					<u> </u>									
Alternative	+/+ +	?	?	?	?	?	+/+ +	+/+ +	+/+ +					
1	Proposed Op	tion: Explore o	opportunities	for a new cycl	+/++ ? ? ? ? +/++ +/++ Proposed Option: Explore opportunities for a new cycle and walking path from Banks Road to Tintock Tunnel									
	Assessment Commentary:													
	· · · · · · · · · · · · · · · · · · ·	•												
√	Assessment	•	••	-	-	•								
✓	Assessment This option is Assets, with	Commentary: s likely to prese the potential	ent positive ef for significant	ffects to Popul	ation and Hui	man Health, Ai ential to prom	ir Quality, Cli ote active tra	matic Factors vel, move tov	and Material vards a more					
√	Assessment This option is Assets, with sustainable t	Commentary: s likely to prese the potential ransport netwo	ent positive ef for significant ork and impro	ffects to Popul effects, in terve ve connectivity	ation and Hui rms of its pote 7. However im	man Health, Ai ential to prom	ir Quality, Cli ote active tra	matic Factors vel, move tov	and Material vards a more					
✓	Assessment This option is Assets, with sustainable t	Commentary: s likely to prese the potential	ent positive ef for significant ork and impro	ffects to Popul effects, in terve ve connectivity	ation and Hui rms of its pote 7. However im	man Health, Ai ential to prom	ir Quality, Cli ote active tra	matic Factors vel, move tov	and Material vards a more					
✓	Assessment This option is Assets, with sustainable t be determine	Commentary: s likely to prese the potential ransport netwo ed when oppor	ent positive ef for significant ork and impro- tunities, inclu	ffects to Popul effects, in terve ve connectivity ding routes, ar	ation and Hur rms of its pote y. However im re known.	man Health, A ential to prom pacts to the ot	ir Quality, Clin ote active tra her environm	matic Factors vel, move tow ental factors w	and Material vards a more vould need to					
✓	Assessment This option is Assets, with sustainable t be determine As these acti	Commentary: s likely to prese the potential ransport netwo ed when oppor ons will be del	ent positive ef for significant ork and impro tunities, inclu livered in line	ffects to Popul effects, in terve connectivity ding routes, an with the appro	ation and Hur rms of its pote y. However im re known. pach set out in	man Health, Ai ential to prom pacts to the ot n the Draft Hill	ir Quality, Clin ote active tra her environm head and Har	matic Factors vel, move tow ental factors w estanes Place	and Material vards a more vould need to Plan and the					
•	Assessment This option is Assets, with sustainable t be determine As these acti actions have	Commentary: s likely to prese the potential ransport netwo ed when oppor ons will be del been establish	ent positive ef for significant ork and impro tunities, inclu livered in line ed through co	ffects to Popul effects, in terve connectivity ding routes, ar with the appro mmunity cons	ation and Hur rms of its pote 7. However im re known. oach set out in ultation there	man Health, Ai ential to prom pacts to the ot n the Draft Hill	ir Quality, Clin ote active tra her environm head and Har	matic Factors vel, move tow ental factors w estanes Place	and Material vards a more vould need to Plan and the					
Votion Asses	Assessment This option is Assets, with sustainable t be determine As these acti actions have Outcomes In	Commentary: s likely to prese the potential ransport netwo ed when oppor ons will be del	ent positive ef for significant ork and impro tunities, inclu livered in line ed through co	ffects to Popul effects, in terve connectivity ding routes, ar with the appro mmunity cons	ation and Hur rms of its pote 7. However im re known. oach set out in ultation there	man Health, Ai ential to prom pacts to the ot n the Draft Hill	ir Quality, Clin ote active tra her environm head and Har	matic Factors vel, move tow ental factors w estanes Place	and Material vards a more vould need to Plan and the					
Detion Asses	Assessment This option is Assets, with sustainable t be determine As these acti actions have Outcomes In	Commentary: s likely to prese the potential ransport netwo ed when oppor ons will be del been establish pprovement Pla	ent positive ef for significant ork and impro tunities, inclu livered in line ed through co	ffects to Popul effects, in terve connectivity ding routes, ar with the appro mmunity cons subject to SEA	ation and Hur rms of its pote 7. However im re known. oach set out in ultation there	man Health, Ai ential to prom pacts to the ot n the Draft Hill are no reasona	ir Quality, Clin ote active tra her environm head and Har able alternativ	matic Factors vel, move tow ental factors w estanes Place es. The Place F	and Material vards a more vould need to Plan and the					
•	Assessment This option is Assets, with sustainable t be determine As these acti actions have Outcomes In sment	Commentary: s likely to prese the potential ransport netwo ed when oppor ons will be del been establish pprovement Pla	ent positive ef for significant ork and impro tunities, inclu livered in line ed through co an have been s	ffects to Popul effects, in terve connectivity ding routes, and with the approximunity cons subject to SEA	ation and Hur rms of its pote y. However im re known. oach set out in ultation there	man Health, Ai ential to prom pacts to the ot n the Draft Hill are no reasona	ir Quality, Clin ote active tra her environm head and Har able alternativ ?/-	matic Factors vel, move tow ental factors w estanes Place	and Material vards a more vould need to Plan and the Plan and Local	✓				
Alternative	Assessment This option is Assets, with sustainable t be determine As these acti actions have Outcomes In sment + Proposed Op	Commentary: s likely to prese the potential ransport netwo ed when oppor ons will be del been establish provement Pla X otion: Update p	ent positive ef for significant ork and impro tunities, inclu livered in line ed through co an have been s	ffects to Popul effects, in terve connectivity ding routes, and with the approximunity cons subject to SEA	ation and Hur rms of its pote y. However im re known. oach set out in ultation there	man Health, Ai ential to prom pacts to the ot n the Draft Hill are no reasona	ir Quality, Clin ote active tra her environm head and Har able alternativ ?/-	matic Factors vel, move tow ental factors w estanes Place es. The Place F	and Material vards a more vould need to Plan and the Plan and Local	✓				
Iternative	Assessment This option is Assets, with sustainable t be determine As these acti actions have Outcomes In sment + Proposed Op Assessment	Commentary: s likely to prese the potential ransport netwo ed when oppor ons will be del been establish provement Pla X otion: Update p Commentary:	ent positive ef for significant ork and impro- tunities, inclu livered in line ed through co an have been s - paths at Merk	ffects to Popul effects, in terve connectivity ding routes, ar with the appro mmunity cons subject to SEA	ation and Hur rms of its pote y. However im re known. oach set out in ultation there X cure Reserve a	man Health, Ai ential to prom pacts to the ot n the Draft Hill are no reasona X nd extension o	ir Quality, Cli ote active tra her environm head and Har ble alternativ ?/- of car park	matic Factors vel, move tow ental factors w estanes Place es. The Place F ?/-	and Material vards a more vould need to Plan and the Plan and Local +					
Alternative	Assessment This option is Assets, with sustainable t be determine As these acti actions have Outcomes Im sment + Proposed Op Assessment This option is	Commentary: s likely to prese the potential ransport netwo ed when oppor ons will be del been establish provement Pla X otion: Update p	ent positive ef for significant ork and impro- tunities, inclu livered in line ed through co an have been - oaths at Merk	ffects to Popul effects, in terve connectivity ding routes, ar with the appro mmunity cons subject to SEA X Iand Local Nat	ation and Hur rms of its pote y. However im re known. oach set out in ultation there X sure Reserve a	man Health, Ai ential to prom pacts to the ot n the Draft Hill are no reasona X nd extension o	ir Quality, Clinote active transformed and Haraber environm head and Haraber alternative ?/- pf car park	matic Factors vel, move tow ental factors w estanes Place es. The Place P ?/-	and Material vards a more vould need to Plan and the Plan and Local + f its potential	✓				

Public Transport

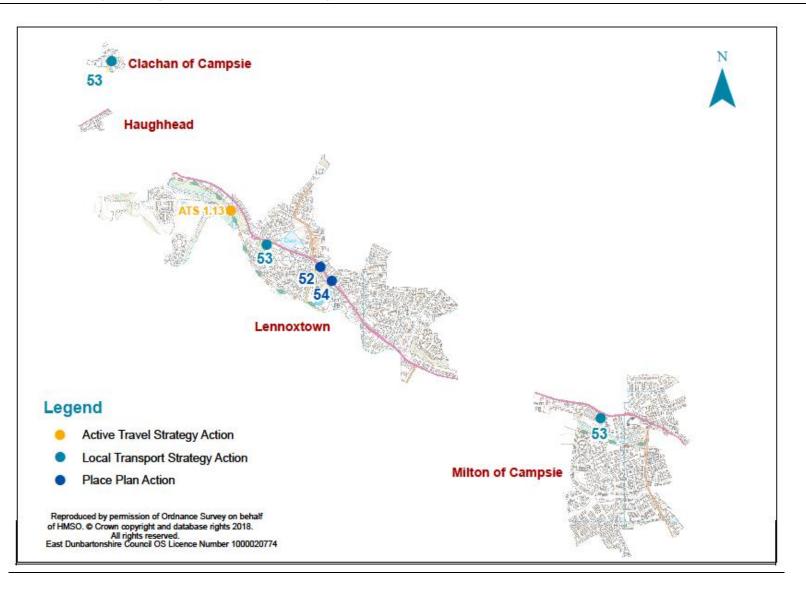
				SEA ENVIR	RONMENTAL	FACTORS				
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assess	ment			•						
Option 50	Proposed Op	otion: Continu	e to work with	SPT to invest	igate ways of	improving bu	s provision bet	ween Kirkint	illoch, Lenzie	
Alternative	and Woodile	e								
1	Assessment	Commentary:								
	This option w	vas assessed as	s part of the env	ironmental as	sessment of th	e A803 Route	Corridor Study	and, as the e	nvironmental	V
	baseline and	l action have	not changed s	ignificantly, tl	his option has	been screen	ed out and th	e assessmen	t will not be	
	duplicated at	t this stage.	-	-	-					
Option 50	?/+	X	X	X	X	Х	?/+	?/+	?/+	

Alternative	Proposed Option: Do nothing and allow the deregulated bus market to provide services on a commercial basis					
2	Assessment Commentary:					
	Whilst the deregulated bus market currently does not provide bus services along the Kirkintilloch Link Road (KLR) between					
	Lenzie and Kirkintilloch with access to other locations in East Dunbartonshire and out with, for example Glasgow, there is the					
	potential that implementation of such services will present some minor positive impacts. Whilst the full nature of the effects					
	is unclear at this stage and will be dependent on factors such as the routes provided, compliance with the bus market,					
	frequency of services and uptake, minor positive impacts may result for Population and Human Health, Air Quality, Climatic					
	Factors and Material Assets due to the following:					
	 Better provision for local residents to utilise public transport and therefore travel to other locations; 					
	• Potential reductions in car use and associated emissions with benefits to localised air quality and effects of climate					
	change; and,					
	• A shift towards more sustainable modes of transport.					

Town Improvements

				SEA ENVI	RONMENTAL	FACTORS				
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assess	ment									
Option 51	+/+ +	Х	X	X	X	Х	?	?	+/+ +	
Alternative 1	• •	•	e the layout and Centre Masterpl		ansport infras	tructure in Kii	kintilloch Tow	n Centre thro	ugh a refresh	
~	throughout the for it to cope Population a investigate in	will be facilit his process. The better with and Human H nproved conn	ated by EDC but ne main transpo the volume of lealth in terms ectivity betwee ts whilst also er	rt impacts this f traffic curre of improved n cycle routes	s initiative will ntly passing t safety from t s. This has the p	have is to add hrough it. Th raffic and po potential to p	ress the main T is has the pot tential speeding romote a chang	Fownhead jun ential to pose ng. There is a ge in transpor	ction in order e benefits to also scope to t modes with	

	impacts on Air Quality and Climatic Factors will be dependent on the outcomes of this consultation exercise with community groups.	
	This option is being facilitated by the regeneration team within the Council and funding is already in place to recruit a consultant and, therefore, there is no reasonable alternative.	



Active Travel – Walking and Cycling

52. Lennoxtown Place Plan Actions

				SEA ENVIRONMENTAL FACTORS						
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversit y, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferrec Option
Option Asses	sment									
Alternative	?	?	?	?	?	?	?	?	?	
	Proposed Option: As part of the public realm feasibility, look at options to create better and additional pedestrian crossing									
	opportunitie	s along the m	ain street							
	Assessment	Commentary:								
	At this stage	in the assessm	nent the effect	s are unknow	n without a fea	sibility study	being undertak	en.		
	As these acti	ons will be de	livered in line	with the appr	oach set out in	the Lennoxto	own Place Plan	and the actio	ns have been	
	established t	hrough comn	nunity consult	ation there a	ire no reasona	ble alternativ	ves. The Place	Plan and Loc	al Outcomes	
		•	nunity consult en subject to S		ire no reasona	ible alternativ	ves. The Place	Plan and Loc	al Outcomes	
Option Asses	Improvemen	•	•		ire no reasona	ible alternativ	ves. The Place	Plan and Loc	al Outcomes	
Alternative	Improvemen	•	•		re no reasona	able alternativ	ves. The Place	Plan and Loc +/++	al Outcomes	✓
·	Improvemen sment +/+ +	t Plan have be	en subject to S	SEA.	X	X		+/+ +	+/+ +	✓
Alternative	Improvemen sment +/+ + Proposed Op	t Plan have be	en subject to S X I link between	SEA.	X	X	+/++	+/+ +	+/+ +	✓
Alternative	Improvemen sment +/+ + Proposed Op Assessment	t Plan have be X stion: Create a Commentary:	ken subject to S X I link between	SEA. X the Strathke	X vin Railway Pa	X oth and the vi	+/++	+/+ + Station Road	+/++	✓
Alternative	Improvement sment +/+ + Proposed Op Assessment of This option is	t Plan have be X otion: Create a Commentary: 5 likely to pres	en subject to S X In link between ent positive ef	SEA. X the Strathke	X Ivin Railway Pa	X Ith and the vi man Health, /	+/+ + llage centre via	+/+ + Station Road natic Factors	+/++ and Material	✓
Alternative	Improvement sment +/+ + Proposed Op Assessment of This option is Assets, with	t Plan have be X tion: Create a Commentary: b likely to pres the potential	en subject to S X In link between ent positive ef	EA. X the Strathke	X Ivin Railway Pa Ilation and Hur erms of its pote	X Ith and the vi man Health, /	+/+ + llage centre via Air Quality, Clir	+/+ + Station Road natic Factors	+/++ and Material	✓
Alternative	Improvement sment +/+ + Proposed Op Assessment of This option is Assets, with	t Plan have be X tion: Create a Commentary: b likely to pres the potential	ken subject to S X I link between Sent positive ef for significant	EA. X the Strathke	X Ivin Railway Pa Ilation and Hur erms of its pote	X Ith and the vi man Health, /	+/+ + llage centre via Air Quality, Clir	+/+ + Station Road natic Factors	+/++ and Material	✓
Alternative	Improvement sment +/+ + Proposed Op Assessment of This option is Assets, with sustainable to	t Plan have be X tion: Create a Commentary: 5 likely to pres the potential ransport netw	en subject to S X In link between Sent positive ef for significant York and improv	EA. X the Strathkel fects to Popu effects, in te ve connectivit	X Ivin Railway Pa Ilation and Hur erms of its pote	X Ith and the vi man Health, J ential to pror	+/+ + llage centre via Air Quality, Clir	+/+ + Station Road natic Factors vel, move tov	+/+ + and Material vards a more	✓
Alternative	Improvement sment +/+ + Proposed Op Assessment of This option is Assets, with sustainable to As these action	t Plan have be X btion: Create a Commentary: s likely to pres the potential ransport netw ons will be de	en subject to S X I link between Sent positive ef for significant York and improvision	EA. X the Strathkel fects to Popu effects, in te ve connectivit with the appr	X Ivin Railway Pa Ilation and Hur erms of its pote ty. oach set out in	X man Health, A ential to pror	+/+ + Ilage centre via Air Quality, Clir note active tra	+/+ + Station Road matic Factors vel, move tow and the actio	+/+ + and Material vards a more ns have been	✓
Alternative	Improvement sment +/+ + Proposed Op Assessment of This option is Assets, with sustainable to As these active established to	t Plan have be X tion: Create a Commentary: s likely to pres the potential ransport netw ons will be de chrough comm	en subject to S X I link between Sent positive ef for significant York and improvision	EA. X the Strathkel fects to Popu effects, in te ve connectivit with the appr ation there a	X Ivin Railway Pa Ilation and Hur erms of its pote ty. oach set out in	X man Health, A ential to pror	+/+ + Ilage centre via Air Quality, Clir note active tra-	+/+ + Station Road matic Factors vel, move tow and the actio	+/+ + and Material vards a more ns have been	✓
Option Assess Alternative 1 Option Assess	Improvement sment +/+ + Proposed Op Assessment of This option is Assets, with sustainable to As these active established to Improvement	t Plan have be X tion: Create a Commentary: s likely to pres the potential ransport netw ons will be de chrough comm	en subject to S X Ink between Sent positive ef for significant vork and impro- livered in line v nunity consult	EA. X the Strathkel fects to Popu effects, in te ve connectivit with the appr ation there a	X Ivin Railway Pa Ilation and Hur erms of its pote ty. oach set out in	X man Health, A ential to pror	+/+ + Ilage centre via Air Quality, Clir note active tra-	+/+ + Station Road natic Factors vel, move tow and the actio	+/+ + and Material vards a more ns have been	✓

					a ca to supp		I walking choid		o mese		
1	Assessment C	ommentary:									
	This option is	likely to prese	ent positive ef	ffects to Popu	lation and Hu	man Health, /	Air Quality, Cli	imatic Factors a	and Material		
\checkmark	Assets, with t	he potential f	for significant	effects, in te	rms of its pot	ential to pror	note active tra	avel, move tow	vards a more		
	sustainable transport network and improve connectivity. However impacts to the other environmental factors would need to be determined when opportunities, including routes, are known.										
	be determine	d when oppor	tunities, inclu	ding routes, a	re known.						
	As these actio	ns will he deli	ivered in line	with the annr	oach set out ir	the Lennovt	own Place Plar	n and the actior	ns have been		
				• •				e Plan and Loca			
	Improvement	-	•				ves. The Hace		ai outcomes		
ption Assess	•										
lternative	+/+ +	X	X	X	X	X	X	X	X	\checkmark	
			nore consister	nt pedestrian	signage that v	vill help to m	ove around M	ain Street and	to the wider		
	path network										
\checkmark	Assessment Commentary:										
	This option is anticipated to increase awareness of the path network in Lennoxtown therefore encouraging better connectivity										
	and linkages. This is likely to be positive for Population and Human Health, with the potential for significant impacts, as people										
		•		•							
	and linkages. 7	This is likely to	be positive fo	r Population a	and Human He	alth, with the	potential for s	ignificant impac	cts, as people		
	and linkages. T are more like	This is likely to ly to have the	be positive fo	r Population a	and Human He	alth, with the	potential for s		cts, as people		
	and linkages. 7	This is likely to ly to have the	be positive fo	r Population a	and Human He	alth, with the	potential for s	ignificant impac	cts, as people		
	and linkages. T are more like environment.	This is likely to ly to have the	be positive fo e knowledge a	r Population a and want to ι	and Human He utilise the patl	alth, with the n network in	potential for s order to have	ignificant impac better access	cts, as people to the wider		
	and linkages. T are more like environment. As these actio	This is likely to ly to have the ons will be deli	be positive fo e knowledge ivered in line	r Population a and want to u with the appro	and Human He utilise the patl	alth, with the n network in n the Lennoxto	potential for s order to have own Place Plar	ignificant impac better access	cts, as people to the wider ns have been		
	and linkages. T are more like environment. As these actio established th	This is likely to ly to have the ons will be deli nrough comm	be positive fo e knowledge ivered in line punity consult	r Population a and want to u with the appro ation there a	and Human He utilise the patl	alth, with the n network in n the Lennoxto	potential for s order to have own Place Plar	ignificant impac better access	cts, as people to the wider ns have been		
	and linkages. T are more like environment. As these actio established th Improvement	This is likely to ly to have the ons will be deli nrough comm	be positive fo e knowledge ivered in line punity consult	r Population a and want to u with the appro ation there a	and Human He utilise the patl	alth, with the n network in n the Lennoxto	potential for s order to have own Place Plar	ignificant impac better access	cts, as people to the wider ns have been		
ption Assess	and linkages. T are more like environment. As these actio established th Improvement sment	This is likely to ly to have the ons will be deli prough comm Plan have bee	be positive fo e knowledge ivered in line unity consult en subject to s	with the approaction a and want to u with the approaction there a SEA.	and Human He utilise the path oach set out ir re no reasona	alth, with the n network in n the Lennoxto able alternativ	potential for s order to have own Place Plar ves. The Place	ignificant impac better access n and the action Plan and Loca	cts, as people to the wider ns have been al Outcomes		
lternative	and linkages. T are more like environment. As these actio established th Improvement sment +	This is likely to ly to have the ons will be deli nrough comm Plan have bee X	be positive fo e knowledge ivered in line nunity consult en subject to s	and want to u with the appro- ation there a SEA.	and Human He utilise the path bach set out ir re no reasona	alth, with the n network in the Lennoxto able alternativ	potential for s order to have own Place Plar ves. The Place +	ignificant impac better access an and the action Plan and Loca +	to the wider hs have been al Outcomes		
	and linkages. T are more like environment. As these actio established th Improvement sment +	This is likely to ly to have the ons will be deli nrough comm Plan have bee X	be positive fo e knowledge ivered in line nunity consult en subject to s	and want to u with the appro- ation there a SEA.	and Human He utilise the path bach set out ir re no reasona	alth, with the n network in the Lennoxto able alternativ	potential for s order to have own Place Plar ves. The Place +	ignificant impac better access n and the action Plan and Loca	to the wider hs have been al Outcomes		
lternative	and linkages. T are more like environment. As these actio established th Improvement sment +	This is likely to ly to have the ons will be deli nrough comm Plan have bee X tion: Market a	be positive fo e knowledge ivered in line nunity consult en subject to s	and want to u with the appro- ation there a SEA.	and Human He utilise the path bach set out ir re no reasona	alth, with the n network in the Lennoxto able alternativ	potential for s order to have own Place Plar ves. The Place +	ignificant impac better access an and the action Plan and Loca +	to the wider hs have been al Outcomes		
lternative	and linkages. T are more like environment. As these actio established th Improvement sment + Proposed Opt	This is likely to ly to have the ons will be deli nrough comm Plan have bee X tion: Market a ire	be positive fo e knowledge ivered in line nunity consult en subject to s	and want to u with the appro- ation there a SEA.	and Human He utilise the path bach set out ir re no reasona	alth, with the n network in the Lennoxto able alternativ	potential for s order to have own Place Plar ves. The Place +	ignificant impac better access an and the action Plan and Loca +	to the wider hs have been al Outcomes		
lternative	and linkages. T are more like environment. As these actio established th Improvement sment + Proposed Opt Dunbartonshi Assessment C	This is likely to ly to have the ons will be deli- nrough comm Plan have bee X cion: Market a ire commentary:	be positive fo e knowledge a ivered in line nunity consult en subject to s X and promote to	r Population a and want to u with the appro- ation there a SEA. X the village as p	and Human He utilise the path bach set out ir re no reasona X part of existin	alth, with the n network in the Lennoxto able alternativ X g and future o	potential for s order to have own Place Plar ves. The Place + cycle and activ	ignificant impac better access an and the action Plan and Loca +	to the wider to the wider al Outcomes + around East	✓	
lternative	and linkages. T are more like environment. As these actio established th Improvement sment + Proposed Opt Dunbartonshi Assessment C This option ha	This is likely to ly to have the ons will be deli- nrough comm Plan have bee X ion: Market a ire commentary: as the potent	be positive for e knowledge a ivered in line unity consult en subject to s X and promote to cial to encoura	and want to u with the appro ation there a SEA. X the village as p age greater pa	and Human He utilise the path oach set out ir re no reasona X part of existin	alth, with the n network in the Lennoxto able alternativ X g and future o active travel,	potential for s order to have own Place Plar ves. The Place + cycle and activ	ignificant impac better access n and the action Plan and Loca re travel routes encourage a m	to the wider hs have been al Outcomes + around East hodal shift in	✓	
lternative	and linkages. T are more like environment. As these actio established th Improvement sment + Proposed Opt Dunbartonshi Assessment C This option has transport to m	This is likely to ly to have the ons will be deli- nrough comm Plan have bee X cion: Market a commentary: as the potent nore sustainab	be positive for e knowledge a ivered in line punity consult en subject to s X and promote to tial to encoura ole methods, t	and want to u with the appro ation there a SEA. X the village as p age greater pa herefore prese	and Human He utilise the path oach set out ir re no reasona X part of existin articipation in enting positive	alth, with the n network in the Lennoxto able alternation X g and future of active travel, impacts to Po	potential for s order to have own Place Plar ves. The Place + cycle and activ , which could opulation and	ignificant impac better access n and the action Plan and Loca + re travel routes encourage a m Human Health a	to the wider to the wider hs have been al Outcomes + around East hodal shift in and Material	✓	
ternative	and linkages. T are more like environment. As these actio established th Improvement sment + Proposed Opt Dunbartonshi Assessment C This option has transport to m	This is likely to ly to have the ons will be deli- nrough comm Plan have bee X ion: Market a ire commentary: as the potent hore sustainab has the poten	be positive for e knowledge a ivered in line nunity consult en subject to s X and promote to tial to encoura- ble methods, to tial to result	r Population a and want to u with the appro- ation there a SEA. X the village as p age greater pa herefore prese in secondary	and Human He utilise the path bach set out in re no reasona X part of existin articipation in enting positive positive impa	alth, with the n network in the Lennoxto able alternation X g and future of active travel, impacts to Po	potential for s order to have own Place Plar ves. The Place + cycle and activ , which could opulation and	ignificant impac better access n and the action Plan and Loca re travel routes encourage a m	to the wider to the wider hs have been al Outcomes + around East hodal shift in and Material	✓	

As these actions will be delivered in line with the approach set out in the Lennoxtown Place Plan and the actions have been established through community consultation there are no reasonable alternatives. The Place Plan and Local Outcomes Improvement Plan have been subject to SEA.

Public Transport

				SEA ENVI	RONMENTAL	FACTORS				
Options and Alternatives	Population and Human Health	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	SEA Preferred Option
Option Assess	sment						-		•	
Option 53	+	Х	X	Х	X	Х	+	+	+	
Alternative 1	Assessment of Ensuring the commuting a greater use of As the powe	Commentary: continuation ind leisure pu if public trans rs for provisio e able to prov	ith operators and of this bus servious rposes and in the port as a more service on of bus service ride an alternation	ce will be ben urn will help sustainable op es, commerci	eficial for local to meet air qu otion and reduc al or subsidise	people, giving ality improve ce emissions. d, generally l	g them greater ment agendas lie with operat	access to Glas at a local leve ors and SPT, t	gow for both el, encourage he Council is	

Roads

54. Lennoxtown Place Plan Actions

				SEA ENVIR	RONMENTAL	FACTORS				SEA
Options and Alternatives	Population	Cultural Heritage	Biodiversity, Flora and Fauna	Soil and Geology	Landscape	Water Quality	Air Quality	Climatic Factors	Material Assets	Preferred Option

	Human											
	Health											
ption Assess	sment	•				•		•				
Iternative	?	?	?	?	?	?	?	?	?			
1	Proposed Option: Commission feasibility work to develop options for public realm improvements in the area identified in											
	the Charrette process. This includes: new multi-functional village space; traffic calming measures; reconfigurations and											
√	enhancements to street layout; and street furniture upgrades throughout the Main Street area											
	Assessment Commentary:											
	This action will be delivered in line with the approach set out in the Lennoxtown Place Plan. At this stage the effects are											
	uncertain until the feasibility work has been carried out.											
	ancer tann an											
	uncertain un		-,									
			are no reasona	ble alternative	es to this optic	on. Work is on	going to delive	er improveme	nts that were			
	It is consider	ed that there			•		going to delive	er improveme	nts that were			
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