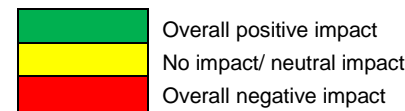


## Appendix 4: Health Impact Policy Scoping Assessment



Issues	Health Impact						Positive or Negative	Affected Populations	Likelihood: definite, probable or possible	Severity: major, moderate or minor	Number of people affected	Strategy/ Action Plan taken forward in (there is an assumption that all will be contained within the Costed Action and Delivery Plan)	
	Social Inclusion	Physical Activity / Obesity	Vulnerable Social Groups	Vulnerable modal groups	Mental Health	Environmental							
<b>SUPPORT</b>													
<b>Strategic Rail Network</b>													
Improved access to Aberdeen and Dyce railway stations by foot, bicycle and public transport	Walking and cycling can have significant health benefits. More people walking, cycling and taking the bus will result in increased physical activity levels benefitting population health and addressing public health issues that result from inactive population, as well as improved air quality						Positive	Commuters, Visitors, Staff, All Users	Definite	Moderate	10000s	CCMP/ SUMP, Station Gateway Development Brief, Active Travel Action Plan	
Additional rail services including increased no. of trains and new stations	More people able to take the train will result in decrease use of cars, which in turn will improve air quality						Positive	Commuters, Visitors, Staff, All Users	Definite	Minor	10000s	Nestrans Rail Action Plan, Abellio and InterCity Annual Plans, National Transport Strategy	
	Noise pollution increase near rail lines as a result of new train stations / increased number of trains						Negative	Population living in proximity to stations/ train lines	Definite	Minor	1000s	Nestrans Rail Action Plan, Abellio and InterCity Annual Plans, National Transport Strategy	

Additional carriages	More people taking the train will improve air quality. Ability to sit down will improve access for more vulnerable users	Positive	Commuters, Visitors, Staff, All Users	Definite	Minor	1000s	Nestrans Rail Action Plan, Abellio and InterCity Annual Plans, National Transport Strategy
Increased number of people using rail network	Reduced stress levels. Evidence suggests car commuters have significantly higher levels of reported stress and, more negative mood compared to train commuters. Reduced air pollution as a result of decreased car use.	Positive	Commuters of rail network	Definite	Minor	1000s	Nestrans Rail Action Plan, Abellio and InterCity Annual Plans, National Transport Strategy
<b>Shipping and Ferry Services</b>							
Maintenance of Northern Isles Ferry at Aberdeen Harbour	No requirement to take vehicle to access ARI - better for vulnerable users or those without access to a vehicle.	Positive	Commuters, Visitors, Staff, All Users	Possible	Moderate	1000s	Nigg Bay Harbour Development
Walking, Cycling and Public Transport access improvements to the Harbour	Walking and cycling can have significant health benefits. More people walking, cycling and taking the bus will result in increased exercise benefitting general health and obesity, as well as improving air quality	Positive	Commuters, Visitors, Staff, All Users	Definite	Moderate	1000s	CCMP/ SUMP, Station Gateway Development Brief, Active Travel Action Plan, Nigg Bay Harbour Development
<b>Air Services</b>							
Improved access to Aberdeen Airport by foot, bicycle and public transport	Walking and cycling can have significant health benefits. More people walking, cycling and taking the bus will result in increased exercise benefitting general health and obesity, as well as improving air quality	Positive	Commuters, Visitors, Staff, All Users	Definite	Major	1000s	Active Travel Action Plan, Nestrans Bus Action Plan, Aberdeen Airport Surface Access Strategy, A96 Cycle Route Delivery
Increased air services from Aberdeen Airport	People more able to access services locally rather than travelling to Edinburgh, Glasgow etc will benefit vulnerable people	Positive	All Users	Probable	Moderate	10000s	Nestrans RTS, Aberdeen Airport Masterplan
	Increased air and noise pollution	Negative	Residents	Possible	Moderate	10000s	



Extension of runway for larger, more fuel efficient planes	Increased noise pollution, more stress	Negative	Residents	Probable	Moderate	1000s	Nestrans RTS, Aberdeen Airport Masterplan
	Improved air quality	Positive	All Residents, users of the Airport/ City	Possible	Moderate	10000s	
<b>Freight</b>							
Exploration of HGV lanes	HGV lanes will mean less time spent sitting in traffic and therefore less affect on air quality	Positive	All residents, users of the City	Possible	Moderate	10000s	Freight Action Plan, Wellington Road Multi-modal Study, Air Quality Action Plan, Nestrans RTS
	Faster moving HGVs in the City Centre may result in additional road safety accidents	Negative	Vulnerable users	Possible	Minor	10s	
Encouragement of shift from road to rail where possible	Removal of freight from roads has positive implications for air quality and road safety in the City	Positive	All residents, Vulnerable users	Possible	Minor	1000s	Freight Action Plan, Rail Action Plan, Nestrans RTS, Air Quality Action Plan
<b>Trunk Road Network</b>							
Ensure that the trunk road is handed to the Council in good maintenance condition	Ensuring that pavements and roads do not require maintenance will benefit vulnerable users	Positive	Users of trunk road network through Aberdeen	Possible	Moderate	10000s	Transport Scotland Strategic Plan, Aberdeen Roads Asset Management Plan
<b>Aberdeen Western Peripheral Route</b>							
New trunk road with associated flyovers, etc	Potential to remove a large amount of strategic traffic through Aberdeen therefore improving local roads for local movements benefitting all users of that network with improvements to air quality and noise	Positive	All residents, users of the City	Definite	Major	100000s	Nestrans RTS, National Transport Strategy, Roads Hierarchy Study, Locking in the Benefits Study
	New road severs many existing walking and cycling networks resulting in longer diversions	Negative	All users of the local walking and cycling networks	Definite	Moderate	1000s	Nestrans Active Travel Action Plan, ACC Active Travel Action Plan, Locking in the Benefits Study

	New road will result in additional car trips and in an area where no roads currently exist therefore having a negative impact on air and noise pollution and potentially reduced physical activity levels	Negative	All residents in the vicinity of the new road, users of the new road	Definite	Moderate	10000s	Nestrans RTS, National Transport Strategy, Roads Hierarchy Study, Locking in the Benefits Study
Ensure a Roads Hierarchy that benefits all road users not just car drivers and 'locks in the benefits' in a number of locations	Improvements to active and public transport (conversion of road space for these modes) will result in more usage of these modes helping air quality, noise and general health	Positive	All residents, users of the City	Probable	Major	100000s	Nestrans RTS, National Transport Strategy, Roads Hierarchy Study, Locking in the Benefits Study, Active Travel Action Plan
<b>MAINTENANCE</b>							
<b>Road Carriageway and Footway Maintenance</b>							
Improving the maintenance of roads and footways	Ensuring that pavements and roads are in a good condition will benefit vulnerable users (reducing risks of falls and improving the walkability of the environment)	Positive	All residents, users of the City	Probable	Moderate	10000s	Roads Asset Management Plan, Active Travel Action Plan, Bus Lane Enforcement Budget
<b>Lighting</b>							
Improving lighting / replacement of old columns	Updating to new white lighting columns will result in improved safety on the road and footways. Upgrade to new lighting also means that there will be less failures. This benefits all users of the network, but particularly vulnerable users (peds/ cyclists/ women, children, etc).	Positive	All residents, users of the City, vulnerable users	Definite	Moderate	10000s	Roads Asset Management Plan, Active Travel Action Plan, Bus Action Plan

Trial of reduced operating hours for lighting in industrial estates	This option will benefit the environment/ climate change	Positive	All residents, users of the City, vulnerable users	Possible	Minor	1000s	Roads Asset Management Plan, Carbon Management Plan/ Sustainable Energy Action Plan, Active Travel Action Plan
	This option may cause safety concerns for vulnerable users and therefore reduce their physical activity levels	Negative	All residents, users of the City, vulnerable users	Possible	Minor	1000s	Roads Asset Management Plan, Carbon Management Plan/ Sustainable Energy Action Plan, Active Travel Action Plan
<b>Winter Maintenance</b>							
Gritting schedule and other winter maintenance improvements	Priority routes gritted and cleared	Positive	All residents, users of the road network, such as freight	Definite	Major	10000s	Roads Asset Management Plan, Winter Maintenance Operations Programme, Active Travel Action Plan
	Focus on bus routes, pavements and cycle paths will assist the more vulnerable users and assist with social inclusion	Positive	Pedestrians, cyclists, vulnerable users, buses, drivers	Possible	Moderate	10000s	Roads Asset Management Plan, Winter Maintenance Operations Programme, Active Travel Action Plan
<b>Structures</b>							
Strengthening and repair work on bridges	Strengthening bridges, which are critical points on the network for all users, will ensure continued access	Positive	All residents, users of the City	Definite	Major	100000s	Roads Asset Management Plan
	Temporary limitations to access may increase stress levels amongst the local population	Negative	All users of the bridge network	Probable	Minor	10000s	Roads Asset Management Plan
<b>Flooding</b>							

Improved maintenance of gullies and defences	Reducing the amount of flooding and damage will ensure the network runs smoothly when the number of adverse weather events increase as a result of climate change.	Positive	All residents, users of the City	Definite	Moderate	10000s	Roads Asset Management Plan, North East Local Flooding Plan
	Increased accessibility of sites for pedestrians, cyclists, etc	Positive	All pedestrians and cyclists in adverse weather	Probable	Minor	1000s	Roads Asset Management Plan, North East Local Flooding Plan
<b>Contingency Planning and Utilities</b>							
Ensure that roads are repaired promptly and appropriately	This will reduce the length of time where road works cause traffic congestion contributing to air quality, etc. and will also mean reduced amount of time in going back to fix a problem	Positive	All residents, users of the City	Definite	Major	10000s	Roads Asset Management Plan
Ensure that provision is made for vulnerable users such as pedestrians and cyclists, and if not possible, ensure that appropriate diversions are in place	This will ensure that peds/ cyclists do not have lengthy diversions that other traffic is subject to. Where a diversion is in place this will minimise the inconvenience and afford protection as well.	Positive	Vulnerable users, pedestrians, cyclists	Definite	Moderate	10000s	Roads Asset Management Plan, Active Travel Action Plan
Ensure road works information is well-publicised via Smart Journey or to bus companies, or on VMS	This will allow everyone access to information prior to them travelling to ensure that they are well informed and assess whether they require to undertake their journey	Positive	All residents, users of the City	Definite	Moderate	10000s	Roads Asset Management Plan, ITS Plan
<b>MANAGEMENT</b>							
<b>Car Parking</b>							


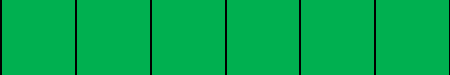
Encourage shorter trips to transfer to walking, cycling and public transport, and longer journeys to use Park & Choose or rail	Walking and cycling can have significant health benefits. More people walking, cycling and taking the bus will result in increased physical activity levels benefitting population health and addressing public health issues that result from inactive population, as well as improved air quality and enable better access for those who have to use vehicles	Positive	All residents, users of the City	Definite	Moderate	10000s	SUMP, Active Travel Action Plan, Bus Action Plan, Roads Hierarchy
Ensuring key bus corridors are kept free of parked cars	Buses which do not get stuck in congestion should reduce fares. This will assist vulnerable users and those suffering from social exclusion as a result of high fares.	Positive	All residents, users of the City	Definite	Major	100000s	Car Parking Action Plan, SUMP, Bus Action Plan
	Clearways will also assist cyclists helping to improve routes and therefore encourage more cycling, but will also result in reduced risk of collisions when cyclists need to switch lanes	Positive	Cyclists	Definite	Minor	1000s	Active Travel Action Plan, Bus Action Plan, Car Parking Action Plan
Facilitate the operation of the Car Club	The car club encourages walking, cycling and public transport journeys so assisting with obesity, health and air quality but also allows those who do not own a vehicle access on an ad hoc basis when necessary.	Positive	Car Club members, no-car households	Definite	Moderate	1000s	Car Parking Action Plan, SUMP
	Success in city centre has allowed roll out to regeneration areas benefiting those in lower socio economic groups	Positive	Car Club members, regeneration areas	Definite	Moderate	1000s	Car Parking Action Plan
Ensure that parking policies take into account the needs of people with mobility impairments and other disabilities	Parking policies which prioritise those with mobility needs will ensure they are appropriately considered as part of any scheme development	Positive	People with mobility impairments or other disabilities	Definite	Moderate	1000s	Car Parking Action Plan, SUMP

To increase compliance with disabled parking arrangements and reduce fraudulent use	Prosecuting individuals who abuse blue badges will result in a better service for those who actually require it	Positive	People with mobility impairments or other disabilities	Definite	Minor	100s	Car Parking Action Plan
<b>Taxis and Private Hire Cars</b>							
Improve the safety of School and Social Work transport	Ensuring all vehicles involved in moving school children or vulnerable adults are following safety procedures will help to reduce accidents	Positive	School children or vulnerable adults	Probable	Minor	10000s	
Monitor the cap on taxi licences and modify according to demand	Continued monitoring of the number of taxis will allow for flexibility in ensuring enough taxis are on the network to cope with demand - thereby facilitating public transport movement	Positive	All individuals requiring flexible public transport	Definite	Minor	1000s	Licensing Committee
Comply with the Equality Act and ensure all taxis are wheelchair accessible	All wheelchair accessible taxis will allow for maximum transport options for people with mobility impairments or disabilities	Positive	People with mobility impairments or other disabilities	Definite	Moderate	1000s	Licensing Committee
Investigate potential for increasing the number of low emission vehicles in the fleet	Reduction in polluting vehicles will result in improved air quality	Positive	All residents, users of the City	Definite	Moderate	1000s	Air Quality Action Plan
Continue the night time taxi zone with marshals	The scheme has reduced incidents reported to the police therefore improving safety for all evening users in the city centre	Positive	All evening users of the City Centre	Definite	Moderate	10000s	Road Safety Action Plan
<b>Traffic Management and Road Safety</b>							





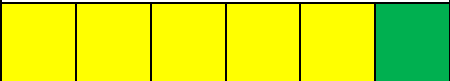
Additional 20mph zones	Reduced speeds reduces number of accidents/ injuries and makes it safer to walk, cycle or play on the street resulting in healthier lifestyles	Positive	All residents living on or nearby 20mph streets or using streets for cycling	Definite	Moderate	10000s	Road Safety Action Plan, Sustainable Urban Mobility Plan, Active Travel Action Plan
Deliver the Joint Road Safety Plan	Targeted expenditure and resources into priority areas around the north east should benefit vulnerable users.	Positive	All vulnerable users of the road network	Definite	Minor	1000s	Road Safety Action Plan, Sustainable Urban Mobility Plan, Active Travel Action Plan
Implement a combination of encouragement, enforcement, education and engineering measures to improve road safety	Targeted expenditure and resources into priority areas relating to encouragement, enforcement, education and engineering will reduce accidents	Positive	All users of the road network	Definite	Moderate	100000s	Road Safety Action Plan, Sustainable Urban Mobility Plan, Active Travel Action Plan
Implement further traffic calming schemes	Traffic calming schemes will reduce speeds, reducing the number of accidents/ injuries and also reducing seriousness of accidents making it safer to walk, cycle or play on the street resulting in healthier lifestyles	Positive	All residents living on or nearby 20mph streets or using streets for cycling	Definite	Moderate	10000s	Road Safety Action Plan, Sustainable Urban Mobility Plan, Active Travel Action Plan
	20mph zones generally lead to an increase in per vehicle pollutant emissions. However area wide strategies that reduce traffic volumes can compensate for an increase in per vehicle emissions or even reduce total emissions in the intervention area	Negative/ Positive	All residents living on or nearby 20mph streets	Definite	Minor	10000s	Road Safety Action Plan, Sustainable Urban Mobility Plan, Active Travel Action Plan
Identification of hot spots for collision analysis	Targeted analysis with targeted improvements to help vulnerable users will improve road safety for those users, but also encourage more walking and cycling, etc resulting in healthier lifestyles	Positive	All users of the road network	Definite	Minor	100s	Road Safety Action Plan, Sustainable Urban Mobility Plan, Active Travel Action Plan
<b>Enforcement</b>							

Continue to enforce bus lanes	Ensuring buses can flow freely will benefit those using the service and potentially result in cheaper fares which will equate to greater social inclusion	Positive	All users of the road network along bus routes	Definite	Moderate	10000s	Bus Action Plan, SUMP, CCMP, Statutory Quality Partnership Agreements
	Ensuring buses can flow freely will reduce air pollution	Positive	All residents living along bus routes	Probable	Moderate	10000s	Bus Action Plan, SUMP, CCMP, Statutory Quality Partnership Agreements
Greater enforcement of urban clearways	Ensuring traffic can flow freely will reduce air pollution	Positive	All users of the road network along bus routes	Possible	Minor	10000s	Bus Action Plan, SUMP, CCMP, Statutory Quality Partnership Agreements
Address indiscriminate parking outside of schools	Will improve road safety and encourage walking and cycling for a healthier lifestyle	Positive	School children	Definite	Minor	1000s	Bus Action Plan, SUMP, CCMP, Road Safety Plan+A65
Support implementation of speed cameras to improve safety	Will improve road safety and encourage walking and cycling for a healthier lifestyle	Positive	All users of the road network	Possible	Minor	1000s	Road Safety Action Plan
Continue maintenance of CCTV in managing City's road network	Will improve traffic movement and therefore air quality	Positive	All users of the strategic road network	Possible	Moderate	10000s	Road Safety Action Plan
Continue maintenance of CCTV in managing City's urban realm	Improvement in safety within public realm will help vulnerable users	Positive	All users of the public realm covered by CCTV	Possible	Minor	10000s	Road Safety Action Plan
<b>Air Quality</b>							
Improve air quality throughout the City by implementing measures designed to reduce air pollution (low emission zones, alternatively fuelled vehicles, improvements of cycling routes)	Improvements to the walking, cycling and public transport networks will not only assist with air quality but will also provide infrastructure to assist with healthy living	Positive	All residents living within Air Quality Management Areas, all users of the City networks	Definite	Major	100000s	Air Quality Action Plan, SUMP, CCMP, Roads Hierarchy Study, AWPR LIB

Require mitigation measures for new developments where additional vehicle trips will impact adversely on air quality	Improvements to the walking, cycling and public transport networks will not only assist with air quality but will also provide infrastructure to assist with healthy living	Positive	All residents living within Air Quality Management Areas, all users of the City networks	Definite	Minor	1000s	Air Quality Action Plan, SUMP, Aberdeen Local Development Plan, ALDP Supplementary Guidance
<b>Noise</b>							
Identify Noise Management Areas	Noise Management Areas will require mitigation measures that will protect individuals from additional noise - thereby reducing stress, etc.	Positive	All residents living near Noise Management Areas, all users of strategic walking, cycling and public transport network	Possible	Minor	1000s	Noise Action Plan
Require mitigation measures of new developments where additional noise will occur	Improvements to the walking, cycling and public transport networks will not only assist with reducing noise pollution but will also provide infrastructure to assist with healthy living	Positive	All residents living near Noise Management Areas, all users of strategic walking, cycling and public transport network	Possible	Minor	1000s	Noise Action Plan
<b>SUSTAINABLE DEVELOPMENT &amp; TRAVEL</b>							
<b>Land Use Planning</b>							

Ensure new developments are accessible by a range of modes, prioritising sustainable transport modes	Range of modes will help those without access to a car and therefore aid social inclusion	Positive	All residents/ employees of new developments	Definite	Moderate	10000s	Aberdeen Local Development Plan, Supplementary Planning Guidance, Active Travel Action Plan
	Providing infrastructure for active transport will support healthier lifestyles	Positive	All residents/ employees of new developments	Definite	Moderate	10000s	Aberdeen Local Development Plan, Supplementary Planning Guidance, Active Travel Action Plan
Require developers to contribute towards sustainable transport measures off site	Providing infrastructure for active transport will support healthier lifestyles	Positive	All residents of the City/ users of the road network	Probable	Minor	1000s	Aberdeen Local Development Plan, Supplementary Planning Guidance, Active Travel Action Plan
Ensure maximum car parking standards are not exceeded	Limiting parking will limit the number of vehicles on site and therefore aid the promotion of other modes which will assist with social inclusion and healthier lifestyles	Positive	All residents/ employees of new developments	Definite	Moderate	1000s	Aberdeen Local Development Plan, Supplementary Planning Guidance, Car Parking Action Plan
Support the implementation of Home Zones and low/ no car housing	Homes zones make the roads safer for increasing active travel, they also make street play more appealing assisting with healthier lifestyles and low/ no car housing will limit vehicles on site therefore aiding promotion of other modes which will assist with social inclusion	Positive	All residents/ employees of new developments	Definite	Moderate	10000s	Aberdeen Local Development Plan, Supplementary Planning Guidance
Support development of brownfield sites and mixed communities	Brownfield sites assist with reducing travel to key destinations as they tend to already be embedded within communities. Mixed communities also help with social inclusion	Positive	All residents/ employees of new developments	Definite	Moderate	1000s	Aberdeen Local Development Plan, Supplementary Planning Guidance
Use masterplans to identify appropriate infrastructure and services where developments take place over a number of years	Progression of joined up development will allow for services to be delivered on a phased basis rather than being forgotten - thereby assisting with reducing travel and improving social inclusion	Positive	All residents/ employees of new developments	Definite	Major	10000s	Aberdeen Local Development Plan, Supplementary Planning Guidance, Active Travel Action Plan
<b>Travel Plans</b>							


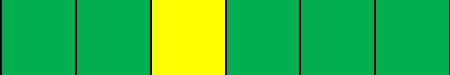
All new developments to be accompanied by a travel plan	Travel Plans outline, provide and promote a variety of measures to the site, thereby improving accessibility for all	Positive	All residents/ employees of new developments	Definite	Moderate	10000s	Aberdeen Local Development Plan, Supplementary Planning Guidance
Require travel packs to be issued to new residents/ employees of all new large new developments	Travel Packs highlight the travel options and nearby facilities within walking, cycling and public transport distances to all individuals / households, thereby improving access to information for all	Positive	All residents/ employees of new developments	Definite	Moderate	10000s	Aberdeen Local Development Plan, Supplementary Guidance
Encourage uptake of voluntary travel plans for schools	Travel Plans outline, provide and promote a variety of measures to the site, thereby improving accessibility for all	Positive	School children/ staff working at schools	Possible	Minor	1000s	Aberdeen Local Development Plan, Supplementary Guidance
Continue to work with Getabout to share information	Getabout provides travel information to all, thereby improving access to all	Positive	All Aberdeen residents/ users of the network	Definite	Moderate	10000s	Active Travel Action Plan, Nestrans Regional Transport Strategy
Promote smarter working for employers	Provision of information helps improve access for all	Positive	All employees	Possible	Minor	1000s	Active Travel Action Plan
<b>Car Sharing</b>							
Promote car sharing	Additional transport option will improve access for all	Positive	All residents/ users of network	Definite	Minor	1000s	Nestrans Regional Transport Strategy, ALDP TAN: Travel Planning Guidance
Introduce preferential spaces for car sharers	Prioritisation of car sharing spaces will help improve this mode of transport	Positive	All visitors to Council owned car parks	Possible	Minor	100s	Car Parking Action Plan, Council Travel Plan, ALDP TAN: Travel Planning Guidance
<b>Car Clubs</b>							
Encourage the development of the Car Club in new locations and developments	Additional transport option will improve access for all. Car Club users are also more likely to use walking, cycling and public transport as they realise the cost of their car use compared to car driving counterparts	Positive	All residents	Definite	Moderate	1000s	ALDP Supplementary Guidance, Car Parking Action Plan, Air Quality Action Plan

Promote the car club as a feasible alternative to additional private car spaces as part of developments	Reduced car parking allowances will result in less car use having positive environmental impacts and improving take up of alternative modal choices and positive impact on health, social inclusion, etc	Positive	All residents living in new developments, staff members in new developments	Definite	Moderate	1000s	ALDP Supplementary Guidance, Car Parking Action Plan, Air Quality Action Plan
Support the Car club in the roll out of ULEVs	Having cleaner vehicles in the car club has environmental benefits for air quality/ climate change/ noise quality (especially given the 1300+ members) but also allows members of the public the ability to try new technology	Positive	All users of the car club, residents/ users of the City	Definite	Minor	10000s	Car Parking Action Plan, Air Quality Action Plan
<b>Ultra Low Emission Vehicles</b>							
Develop publicly available EV Charging network and hydrogen refuelling station	Providing facilities will encourage uptake of cleaner vehicles will result in improvements to air quality	Positive	All ULEV owners, Hydrogen bus patrons	Definite	Minor	1000s	Car Parking Action Plan, Air Quality Action Plan
Encourage installation of EV infrastructure in new developments	Providing facilities will encourage uptake of cleaner vehicles will result in improvements to air quality	Positive	Residents/ staff of new developments	Definite	Minor	100s	ALDP Supplementary Guidance, Car Parking Action Plan, Air Quality Action Plan
Purchase ULEVs for Council fleet	Improving the Council fleet not only improves air quality but it also improves visibility/ sets an example to encourage others within the City to take up cleaner vehicles	Positive	Council staff, all residents/ users of Aberdeen City	Probable	Minor	1000s	Council Travel Plan, Car Parking Action Plan, Air Quality Action Plan
Promote benefits of ULEVs	Promoting benefits should assist with take up and therefore help improve air quality/ climate change	Positive	All residents	Probable	Minor	100s	Car Parking Action Plan, Air Quality Action Plan

Trial ULEVs with public	Promoting benefits should assist with take up and therefore help improve air quality/ climate change	Positive	All residents	Definite	Minor	100s	Car Parking Action Plan, Air Quality Action Plan
	ULEVs are still vehicles and therefore are not discouraging car use	Negative	All residents/ users of network	Definite	Minor	100s	Car Parking Action Plan, Air Quality Action Plan
<b>Travel Information and Awareness</b>							
Coordinate all behaviour change messages and promotional activity via Getabout brand	Promotion under a single brand sends clearer messages which will assist with behaviour change and direct people to the correct information to help them make informed decisions	Positive	All residents/ users of network	Definite	Minor	10000s	Active Travel Action Plan, ALDP TAN: Travel Planning
Continue to work on Bike Week and EMW	Participation in events helps to change behaviour for short and long term if repeated - also assists with encouraging physical activity etc	Positive	All participants of events	Probable	Minor	1000s	Active Travel Action Plan
Update and publish walking, cycling, public transport maps, etc	Provision of information informing the public of choices will help with social access but also with making informed decisions prior to travelling	Positive	All residents/ users of network	Definite	Minor	10000s	Active Travel Action Plan
Maintain and update the Council's website and ensure information is available in a variety of formats	Provision of information in a variety of formats will enhance access to that information and therefore help the public to make informed decisions about their travel	Positive	All residents/ users of network	Definite	Minor	1000s	Active Travel Action Plan
Expand VMS	Provision of information at points of entry into the City will help them to avoid areas of congestion and therefore help reduce stress as well as improve air quality	Positive	All users of the strategic road network	Definite	Moderate	10000s	Intelligent Transport Systems Action Plan

School Travel and Young People												
Develop School Travel Plans	Provision of travel information to school children will help to reduce congestion during the morning and evening peaks but also encourage active and sustainable transport resulting in improved air quality and greater physical activity	Positive	All users of the network, especially school children	Probable	Minor	1000s	Active Travel Action Plan, School Travel Plan Guidance					
Encourage walking buses and park and stride schemes	Greater uptake of these initiatives will improve air quality, safety around schools and uptake of physical activity	Positive	All users of the network, especially school children	Probable	Minor	100s	Active Travel Action Plan, School Travel Plan Guidance					
Traffic management solutions outside schools	Slower moving vehicles will potentially result in less accidents/ injuries therefore improving road safety and perception of road safety	Positive	All users of the network, especially school children	Definite	Moderate	10000s	Active Travel Action Plan, School Travel Plan Guidance, Road Safety Action Plan					
Work on promotional campaigns	Taking part in national campaigns reinforces positive messages and encourages uptake of active and sustainable transport improving air quality, road safety and physical activity	Positive	All users of the network, especially school children	Possible	Minor	1000s	Active Travel Action Plan, School Travel Plan Guidance					
Provide cycle parking etc facilities	Provision of facilities will help to encourage uptake of cycling; improving air quality, road safety and physical activity	Positive	All users of the network, especially school children	Definite	Minor	100s	Active Travel Action Plan, School Travel Plan Guidance					
Maintain mandatory or part time 20mph zones outside schools	Slower moving vehicles will potentially result in less accidents/ injuries therefore improving road safety and perception of road safety	Positive	All users of the network, especially school children	Definite	Moderate	10000s	Active Travel Action Plan, School Travel Plan Guidance, Road Safety Action Plan					



Encourage all schools to deliver Bikeability training	Training will result in better cycling ability and encourage uptake of cycling therefore improving air quality, road safety and physical activity. Adventure Aberdeen who deliver the Bikeability training also bring bikes for those children who do not have their own, thereby assisting with social inclusion	Positive	All users of the network, especially school children	Definite	Moderate	1000s	Active Travel Action Plan, School Travel Plan Guidance
Provide statutorily required transport services to schools	Ensuring that children are transported to school in an appropriate, safe and secure manner will improve road safety and social independence	Positive	All users of the network, especially school children	Definite	Moderate	10000s	Active Travel Action Plan, School Travel Plan Guidance
<b>Climate Change and Adaptation</b>							
Ensure that flooding risk and environmental impacts taken into account in design and construction of infrastructure	Less disruption to the transport network as a result of flooding will result in less stress to the travelling public	Positive	All users of the road network	Definite	Moderate	10000s	Road Asset Management Plan
Reduce carbon emissions by use of smaller, low emission vehicles and encourage people to take active and public transport	Lower emission vehicles will result in improvements to air quality (they also tend to be less noisy as well) and increasing uptake of active and public transport will improve air quality as well as physical activity	Positive	All users of the road network	Definite	Moderate	10000s	Active Travel Action Plan, Bus Action Plan
Use green landscaping where possible rather than hard landscaping	Green space helps mental health as well as soaking up flood water, therefore resulting in less disruption and less stress for the travelling public	Positive	All users of the road network	Definite	Minor	1000s	Road Asset Management Plan, ALDP Supplementary Guidance
<b>Biodiversity &amp; Green Space Network</b>							

Take opportunities to create new habitats as part of improvement schemes	Green space helps mental health as well as soaking up flood water, therefore resulting in less disruption and less stress for the travelling public	Positive	All users of the road network	Possible	Minor	1000s	Roads Asset Management Plan, ALDP Supplementary Guidance, Open Space Strategy
Conserve and enhance natural landscape	Green space helps mental health and certain plants can absorb air pollution	Positive	All users of the road network	Possible	Minor	1000s	Roads Asset Management Plan, ALDP Supplementary Guidance, Open Space Strategy
Ensure people can travel on foot and by bike	Walking and cycling can have significant health benefits. More people walking, cycling and taking the bus will result in increased physical activity levels benefitting population health and addressing public health issues that result from inactive population, as well as improved air quality and enable better access for those who have to use vehicles	Positive	All users of the road network	Definite	Moderate	10000s	Active Travel Action Plan, ALDP, Supplementary Guidance, Open Space Strategy
Reduce the need to travel by improving access to local services and green space	Green space helps mental health and certain plants/ trees can absorb air pollution, while local services available on foot assist with social inclusion and improving physical activity and air pollution	Positive	All residents of the City	Probable	Moderate	10000s	Active Travel Action Plan, ALDP, Supplementary Guidance, Open Space Strategy
Reduce the negative effects of transport by protecting wildlife, habitats and landscapes	Green space helps mental health and certain plants/ trees can absorb air pollution	Positive	All residents of the City	Possible	Minor	1000s	Active Travel Action Plan, ALDP, Supplementary Guidance, Open Space Strategy
<b>IMPROVEMENTS</b>							
<b>Walking</b>	-	-	-	-	-	-	-

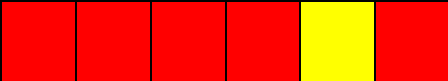
Additional traffic calming to encourage walkable neighbourhoods	Traffic calming schemes will reduce speeds, reducing the number of accidents/ injuries and also reducing seriousness of accidents making it safer to walk, cycle or play on the street resulting in healthier lifestyles	Positive	All residents living on or nearby 20mph streets or using streets for cycling	Definite	Moderate	10000s	Road Safety Action Plan, Sustainable Urban Mobility Plan, Active Travel Action Plan
	20mph zones generally lead to an increase in per vehicle pollutant emissions. However area wide strategies that reduce traffic volumes can compensate for an increase in per vehicle emissions or even reduce total emissions in the intervention area	Negative/ Positive	All residents living on or nearby 20mph streets	Definite	Minor	10000s	Road Safety Action Plan, Sustainable Urban Mobility Plan, Active Travel Action Plan
Increasing pedestrian facilities - crossings, footways, lighting, pedestrianised areas etc	Walking can have significant health benefits. More people walking will result in increased physical activity levels benefitting population health and addressing public health issues that result from inactive population, as well as improved air quality and enable better access for those who have to use vehicles	Positive	All residents using the pedestrian network	Definite	Moderate	10000s	Road Safety Action Plan, Sustainable Urban Mobility Plan, Active Travel Action Plan, Intelligent Transport Systems Action Plan, Air Quality Action Plan
Improve, promote and expand the City's Core Path network	Improving the pedestrian environment will help increase walking uptake, improve physical activity/ mental health and reduce air pollution	Positive	All residents using the pedestrian network	Definite	Minor	1000s	Open Space Strategy, Core Paths Plan, Active Travel Action Plan
Raise awareness of the health benefits of active travel	Ensuring the public is aware of the benefits to health as a result of active travel may increase uptake of the mode with associated benefits	Positive	All residents	Probable	Minor	1000s	Active Travel Action Plan, Open Space Strategy
Develop the Regional Active Travel Plan	Delivering the Regional Active Travel Action Plan will improve the strategic links to Aberdeenshire therefore reducing the number of private cars/ commuter journeys into the City with associated benefits for air quality, noise, etc	Positive	All residents and residents of Aberdeenshire on strategic networks	Definite	Minor	10000s	Active Travel Action Plan, Core Paths Plan

Develop the Aberdeen Active Travel Plan	Delivering improved sporting facilities will facilitate greater uptake in recreational and commuter journeys by active travel modes with associated benefits for air quality, noise, etc	Positive	All residents	Definite	Minor	1000s	Active Travel Action Plan, Core Paths Plan
Monitor the wayfinding pilot and consider additional areas for roll out	Provision of information on walking around the City Centre will facilitate walking therefore increasing physical activity, air quality, etc	Positive	All users of the wayfinding project	Possible	Minor	1000s	City Centre Masterplan, Sustainable Urban Mobility Plan
<b>Cycling</b>							
Develop the Regional Active Travel Plan	Delivering the Regional Active Travel Action Plan will improve the strategic links to Aberdeenshire therefore reducing the number of private cars/ commuter journeys into the City with associated benefits for air quality, noise, etc	Positive	All residents and residents of Aberdeenshire on strategic networks	Definite	Minor	10000s	Active Travel Action Plan, Core Paths Plan
Ensure needs of cyclists are prioritised during all new road construction and improvement schemes	Enabling cyclists to bypass diversion routes will facilitate their journeys improving road safety	Positive	All cyclists using corridors with new road construction	Probable	Minor	100s	Roads Asset Management Plan, Active Travel Action Plan, Sustainable Urban Mobility Plan
Improve and increase off road cycling facilities	Off road facilities will encourage uptake by new/ novice cyclists and improve physical health, air quality, etc	Positive	All residents	Definite	Moderate	1000s	Active Travel Action Plan, Core Paths Plan, Sustainable Urban Mobility Plan, Air Quality Action Plan
Increase opportunities for recreational cycling	Cycling can have significant health benefits. More people cycling will result in increased physical activity levels benefitting population health and addressing public health issues that result from inactive population, as well as improved air quality and enable better access for those who have to use vehicles	Positive	All residents	Definite	Minor	1000s	Active Travel Action Plan, Core Paths Plan, Air Quality Action Plan

Measures to improve safety such as Advanced Stop lines, toucan crossing and priority measures	Improving conditions for cycling will increase uptake therefore improving air quality, noise, physical activity and road safety, etc	Positive	All residents	Definite	Minor	1000s	Active Travel Action Plan
Work with partners on safety campaigns	Improving road safety will improve conditions and perception of cycling therefore increasing uptake and improving physical activity, air quality, noise, etc	Positive	All cyclists	Probable	Minor	100s	Active Travel Action Plan, Road Safety Plan
Ensure all traffic management and road maintenance schemes incorporate cyclists measures	Enabling cyclists to bypass diversion routes will facilitate their journeys improving road safety	Positive	All cyclists using corridors with maintenance improvements	Probable	Minor	100s	Roads Asset Management Plan, Active Travel Action Plan, Sustainable Urban Mobility Plan
Maximise integration with other modes of transport	Ensuring seamless journeys with other modes of transport (bus, rail, car) will encourage more individuals to cycle with consequent air quality and physical activity, etc improvements	Positive	All cyclists	Probable	Minor	1000s	Active Travel Action Plan, Sustainable Urban Mobility Plan, Bus Action Plan, Rail Action Plan, Regional Transport Strategy
Ensure cycle facilities are incorporated into all new developments	Ensuring facilities are available at all destinations will make it easier to cycle and therefore uptake for benefits to physical health, etc	Positive	Residents/ staff of new developments	Definite	Minor	1000s	Active Travel Action Plan, ALDP, Supplementary guidance
Increase cycle parking throughout the City	Ensuring facilities are available at all destinations will make it easier to cycle and therefore uptake for benefits to physical health, etc	Positive	All cyclists	Definite	Minor	1000s	Active Travel Action Plan, Sustainable Urban Mobility Plan
Support and assist with Bikeability training for children and training for adults	Ensuring all school children are trained in cycling proficiency will improve road safety and reduce chance of collisions/ injuries	Positive	All school children, novice cyclists	Definite	Moderate	10000s	Active Travel Action Plan
<b>Bus</b>							

Continue to work with bus operators through the Health and Transport Action Plan to ensure health services are accessible by public transport	Ensuring that health services are accessible by public transport will assist with social inclusion, aid vulnerable groups and help boost physical activity	Positive	Visitors to NHS facilities	Definite	Moderate	1000s	Bus Action Plan, Health and Transport Action Plan
Review provision of bus services to ensure services meet peoples needs and consider provision of supported services where these are deemed socially necessary	Identifying areas where services would help those in regeneration areas for access to work, etc would assist those suffering from social exclusion. PT users also achieve half of daily exercise on average and this would assist with physical health, etc as well.	Positive	Vulnerable individuals/ socio economic groups	Probable	Moderate	1000s	Bus Action Plan, Regional Transport Strategy
Ensure all new developments are planned and designed with public transport access and penetration in mind	Inclusion of public transport from the start of the development helps to embed PT use as people are more willing to try something new when their situation changes (new job, new house, etc)	Positive	All residents/ staff at new developments	Definite	Moderate	10000s	Bus Action Plan, ALDP, Supplementary Guidance
Maintain, manage and improve bus stop infrastructure	Provision of adequate bus stop infrastructure including dropped kerbs and shelters can help more vulnerable groups feel more comfortable taking the bus	Positive	All residents	Definite	Minor	1000s	Bus Action Plan
Encourage further adoption of low emission zones	A significant proportion of PM10 and Nox emissions in the City Centre AQMA relate to buses, in particular buses stuck in congestion or dwelling at bus stops. Cleaner buses will therefore help reduce air pollution.	Positive	All those living within or moving through Air Quality Management Areas	Possible	Moderate	10000s	Air Quality Action Plan
Complete construction of new Park and Choose site at A96	Construction of the Park & Choose will enable residents to park and either car share, cycle or take the bus to their destination, reducing congestion and improving air quality in the city centre	Positive	Users of A96 corridor and City Centre	Definite	Minor	1000s	Bus Action Plan, Regional Transport Strategy

Support Aberdeenshire in the development of Park and Ride at Portlethen	Construction of the Park & Choose will enable residents to park and take the bus to their destination, reducing congestion and improving air quality in the city centre	Positive	Residents of Aberdeen City and living on Portlethen strategic corridor	Possible	Minor	1000s	Aberdeenshire Council Local Transport Strategy, Regional Transport Strategy
Continue to enforce bus lane violations and increase coverage	Ensuring buses can run to time helps bus companies to improve services and makes the bus more comparable with the car - encouraging uptake with the benefits that brings, reducing stress and improving social inclusion.	Positive	All residents and users of strategic bus corridors	Definite	Moderate	10000s	Bus Action Plan
Develop regional fares and ticketing plan	A regional fares and ticketing plan will simplify bus fares, making it more user friendly and transparent to use the bus	Positive	All bus users in the north east	Probable	Moderate	10000s	Bus Action Plan, Regional Transport Strategy
Improve bus information through bus information plan	A coherent plan for information at all bus stops and on the websites will help members of the public understand where buses run, how much they cost, etc thereby making it easier to use the bus and helping encourage use	Positive	All bus users in the north east	Probable	Minor	10000s	Bus Action Plan
<b>Rapid Transit</b>							
Undertake a study into future public transport options to connect new housing developments with existing and future employment areas	High speed links connecting commuter areas to areas of employment will private car use, reducing congestion, stress and improving air quality	Positive	All residents living and working on the rapid transit line	Possible	Minor	1000s	Local Development Plan/ Strategic Development Plan, Strategic Infrastructure Plan
<b>Powered Two Wheelers</b>							
Implement road improvement schemes to increase the safety of motorcyclists	Schemes to improve road safety for motorcyclists will reduce risk of collision/ injury	Positive	Motorcyclists	Probable	Minor	100s	Road Safety Action Plan

Participate in promotional initiatives to raise awareness	Joint promotion will help spread clear messages improving safety	Positive	Motorcyclists	Probable	Minor	100s	Road Safety Action Plan
Undertake a review of trials for motorcycles in bus/ taxi/ cycle lanes	Improved accessibility may result in mode shift to motorbikes which can help reduce congestion for other modes	Positive	All users of the road network	Possible	Minor	1000s	Active Travel Action Plan, Bus Action Plan Road Safety Plan
	Opening up bus lanes may negatively impact on cyclists who are the more vulnerable road user (the study will determine this). May also result in increased noise pollution.	Negative	Cyclists, residents living near bus lanes	Possible	Minor	1000s	Active Travel Action Plan, Bus Action Plan, Road Safety Plan
<b>Road Improvements</b>							
Progression of urban infrastructure to address pinch points in the City's road network	Increasing road space will help to reduce congestion (likely in the short term) which will have positive impacts on stress levels and if traffic flows freely improvements to air quality	Positive	Users of the new transport infrastructure	Definite	Major	100000s	ALDP, Roads Asset Management Plan, Strategic Infrastructure Plan
	Road improvements which do not 'lock in' improvements for buses, etc tend to encourage car use and become congested after a period of time, resulting in a decline in air quality after initial improvement.	Negative	Users of the new transport infrastructure, residents living along improvement corridors	Definite	Major	100000s	
	Additional traffic in the city centre will not improve the pedestrian, cycle, bus experience, or encourage these modes and can act as barriers for social inclusion resulting in community severance	Negative	All residents of the City, users of the network	Definite	Major	10000s	
Ensure projects prioritise sustainable transport modes	Ensuring facilities for other modes are built alongside road improvements will mean benefits are built in to enable those modes to run efficiently, thereby encouraging their use/ uptake	Positive	All users of the improvement corridor	Possible	Moderate	1000s	Active Travel Action Plan, ALDP



Intelligent Transport Systems											
Use ITS to improve network efficiency and manage traffic flow	Better traffic flow will result in improvements to air quality and reduced stress as cars will not be idling/ sitting in congestion	Positive	All users of the City/ network	Definite	Moderate	10000s	ITS Strategy/ Action Plan				
	Improved traffic flow can result in more accidents as faster speeds likely. In addition may encourage more vehicles to use the network rather than taking other modes, resulting in reduced physical activity, more air pollution, etc	Negative	All users of the City/ network	Definite	Moderate	10000s	ITS Strategy/ Action Plan				
Give priority to particular types of vehicle or road user	Prioritising different users of the network can improve journey times for active and sustainable travel, making them more efficient and therefore more appealing to use - resulting in the associate benefits to the environment and for personal health	Positive	All users of the priority lanes	Definite	Moderate	10000s	ITS Strategy/ Action Plan, Bus Action Plan				
Provide reliable travel information so people can make informed decisions before and during their journey	Adequate information provided can influence journey mode and route allowing individuals to avoid congested periods and areas, thereby improving air quality and reducing stress	Positive	All users of the City/ network	Definite	Minor	10000s	ITS Strategy/ Action Plan, Air Quality Action Plan, Bus Action Plan				
Improve road safety advice	Provision of transport information can help people to make informed transport choices thereby improving road safety	Positive	All users of the City/ network	Probable	Minor	1000s	ITS Strategy/ Action Plan, Road Safety Action Plan				
Update the travelling public on environmental conditions	Provision of transport information can help people to make informed transport choices thereby improving road safety	Positive	Users of the City/ network	Probable	Minor	1000s	ITS Strategy/ Action Plan, Air Quality Action Plan, Bus Action Plan				

Develop a Journey Time Monitoring System linked to VMS on strategic routes / at Park and Ride sites	Recording detailed information on length of journey times for different modes will allow the Council to establish average journey speeds and promote these to members of the public via VMS directing to them to appropriate routes for avoiding congestion or onto Park and Choose buses if this is the quickest method of accessing the City Centre	Positive	Users of the strategic network	Definite	Minor	10000s	ITS Strategy/ Action Plan, Air Quality Action Plan
<b>Public Realm and the SUMP</b>							
Improve the pedestrian experience in the core City Centre	Walking can have significant health benefits. More people walking will result in increased physical activity levels benefitting population health and addressing public health issues that result from inactive population, as well as improved air quality and enable better access for those who have to use vehicles	Positive	Users of the City Centre, residents of the City Centre	Definite	Moderate	10000s	City Centre Masterplan, SUMP, Active Travel Action Plan, Road Safety Action Plan
Improve general access to the City Centre	Ensuring the City Centre is accessible from all areas will help with social inclusion	Positive	Users of the City Centre, residents	Definite	Moderate	10000s	City Centre Masterplan, SUMP, Active Travel Action Plan, Air Quality Action Plan
Increase space for other uses than road traffic	Improving the active and public transport experience in the City Centre will increase lingerability, increase numbers undertaking said activities with associated physical activity, air quality, social accessibility, etc improvements	Positive	Users of the City centre, residents	Probable	Moderate	10000s	City Centre Masterplan, SUMP, Active Travel Action Plan, Bus Action Plan
Reduce the detrimental impact of motor vehicles on the City Centre environment	Improving air quality and the road safety in the City Centre will make the environment better for all using it	Positive	Users of the City Centre, residents	Possible	Moderate	10000s	City Centre Masterplan, SUMP, Active Travel Action Plan