

Perth and Kinross Council Mobility Strategy

Compatibility and Cumulative Assessment Matrix (**Appendix D**)

Assessing compatibility of the SEA Themes with the Mobility Strategy delivery themes.

Matrix Key:

Compatible	✓
Not Compatible (potential for conflict)	✗
Uncertain/Unknown Compatibility	?

	Delivery Theme 1: Behaviour Change, Education and Awareness	Delivery Theme 2: Accessibility and Inclusivity	Delivery Theme 3: Innovation and Future Mobility	Delivery Theme 4: Public Realm	Delivery Theme 5: Organisation, Planning, and Regulations	Delivery Theme 6: Road Network	Delivery Theme 7: Sustainable Transport	Delivery Theme 8: Business-as-Usual and Committed for Delivery	Summary of Overall Effects (including Cumulative or Synergistic) and Mitigation
Biodiversity, Flora, and Fauna	✓	✓	✓	✓	✓	✓	✓	✓	Actions within the delivery themes seek to reduce the need for land associated with large-scale transport infrastructure projects, and to protect biodiversity, flora, and fauna by assessing proposed schemes for their potential impacts and proposing mitigations. Protecting biodiversity, flora, and fauna can have cumulative positive impacts on air quality, water, and soil.

									<p>The strategic actions also aim to enabled reduced levels of transport related pollution, emissions, noise and artificial light which can negatively impact upon vulnerable habitats and species within Perth and Kinross. Further, the Mobility Strategy actions will seek to include opportunities for biodiversity and enhancement within active travel routes.</p> <p>The Mobility Strategy actions also seek to support the development of active travel networks that bring Perth and Kinross residents into closer contact with natural spaces which will likely have cumulative impacts for wellbeing and public health.</p> <p>Other potentially positive impacts include protection to habitats and species from maintenance and flood prevention schemes.</p> <ul style="list-style-type: none"> ▪ Integrated planning can enhance the expected positive impacts. ▪ Impact assessments and mitigation actions can reduce potential adverse impacts. ▪ Construction impact assessments and mitigation plans will be required on a scheme-by-scheme basis.
Population and Human Health	✓	✓	✓	✓	✓	✓	✓	✓	<p>Delivery of the Mobility Strategy will have largely very positive impacts on population and public health indicators through:</p> <ul style="list-style-type: none"> ▪ Making travel options more affordable

									<ul style="list-style-type: none"> ▪ Improving sustainable transport options ▪ Improving efficiencies on the transport network ▪ Improving that quality and connectivity of active travel infrastructure ▪ Improving connectivity between centres of activity. ▪ Improving access to key goods and services that are required for wellbeing. ▪ Reducing the need for car-dependence. ▪ Improving access to greenspaces for both health and recreational benefits. <p>Such actions will likely improve the viability of active travel and public transport, which will facilitate an increase in physical activity, improve air quality, and improve access to key services such as health, education, and employment opportunities.</p> <p>Making the transport network more accessible will improve equalities and social inclusion outcomes, making the network accessible by all regardless of income, age, physical ability, or other socio-economic characteristics.</p> <p>Public realm strategic actions also aim to improve the sense of place and enjoyment of</p>
--	--	--	--	--	--	--	--	--	--

									<p>place, which can have positive impacts on wellbeing.</p> <p>Strategic actions of the Mobility Strategy also seek to improve road safety outcomes by reducing injuries and fatalities, delivering additional public health benefits.</p>
Soil	✓	✓	✓	✓	✓	✓	✓	✓	<p>It is expected that delivery of the Mobility Strategy will have positive impacts on soil due to reduced land take required for large-scale transport infrastructure projects over the longer term. As the uptake of sustainable transport options increase, the need for large-scale transport infrastructure is expected to decrease.</p> <p>Supportive blue and green infrastructure and further lessen potential adverse impacts of transport infrastructure construction and maintenance.</p> <p>Improved protection and enhancement of soil quality has positive benefits for population and human health.</p> <p>Construction, maintenance, improvement works, and flood prevention schemes could result in the release of pollutants into the soil, and effective mitigation strategies are required on a scheme-by-scheme basis.</p>

Water	✓	✓	✓	✓	✓	✓	✓	✓	<p>It is expected that delivery of the Mobility Strategy will have positive impacts on water due to reduced land take required for large-scale transport infrastructure projects over the longer term. As the uptake of sustainable transport options increase, the need for large-scale transport infrastructure is expected to decrease.</p> <p>Supportive blue and green infrastructure and further lessen potential adverse impacts of transport infrastructure construction and maintenance.</p> <p>Improved protection and enhancement of water quality has positive benefits for population and human health.</p> <p>Construction, maintenance, improvement works, and flood prevention schemes could result in the release of pollutants into watercourses, and effective mitigation strategies are required on a scheme-by-scheme basis.</p>
Air	✓	✓	✓	✓	✓	✓	✓	✓	<p>Delivery of the Mobility Strategy will have largely very positive impacts on air quality by seeking to reduce the need to travel, to reduce reliance on the private car, to reduce the indiscriminate use of the car within Perth and Kinross and to enable a shift to sustainable modes of transport:</p> <ul style="list-style-type: none"> ▪ Lift clubs ▪ Public transport

									<ul style="list-style-type: none"> ▪ Car sharing ▪ Active travel ▪ Alternative energy (e.g., EVs) <p>More sustainable travel modes are associated with less pollution and emissions and thus have positive impacts on air quality – this will likely reduce the number of people across Perth and Kinross exposed to poor air quality, particularly those in deprived or vulnerable communities, and those groups at risk.</p> <p>Improved protection and enhancement of air quality has positive benefits for population and human health.</p>
Climatic Factors	✓	✓	✓	✓	✓	✓	✓	✓	<p>Delivery of the Mobility Strategy will have a long-term positive impact on climate change and emissions, although some potentially negative impacts have been identified. The Mobility Strategy seeks to reduce the need to travel, to reduce reliance on the private car, to reduce the indiscriminate use of the car within the area, and to enable sustainable mode choices (avoid, shift, improve).</p> <p>Reduced emissions will have positive impact on population and human health indicators, as well as on air quality, soil, and water.</p> <p>These impacts are also anticipated for freight transport, as the Mobility Strategy seeks to enable sustainable freight modes and thereby boost economic efficiency.</p>

									<p>Actions related to adaption will help to improve the resilience of the area's transport network to the predicted effects of a changing climate, which has positive impacts for population wellbeing.</p> <p>Short-term adverse impacts on climatic factors arising from construction and maintenance works should be mitigated through appropriate construction management plans. Congestion and traffic displacement resulting from road improvement and maintenance schemes should also be managed accordingly.</p>
Material Assets									<p>The impact of the Mobility Strategy on material assets (transport and active travel) is anticipated to be mostly positive. Mobility Strategy strategic and supporting actions seek to improve the efficient use of the existing and future transport network and to improve its resilience to climate change impacts.</p> <p>This will likely have positive impacts for the travel experiences of people and businesses, and improved network efficiencies are associated with improved economic outcomes.</p> <p>Improved protection and enhancement of material assets will likely have positive benefits for population wellbeing.</p>

									<p>The Mobility Strategy actions also seek to support sustainable locations for development via a sustainable transport and active transport network and to support an increase in EV infrastructure provision across Perth and Kinross. Supporting development in sustainable locations is likely to have cumulative positive impacts on population wellbeing.</p>
Cultural Heritage	✓	✓	✓	✓	✓	✓	✓	✓	<p>The impact of the Mobility Strategy on cultural heritage is anticipated to be mostly positive, although some potentially negative impacts have been identified.</p> <p>Positive impacts largely relate to the Mobility Strategy’s objective of reducing indiscriminate car trips over the longer term, making cultural heritage sites less car dominated and more enjoyable. This also has public wellbeing benefits, enabling greater enjoyment of historically significant sites. Proposed actions also seek reductions in carbon emissions and pollution across Perth and Kinross, improving enjoyment of historically significant sites. Accessibility improvements in accessibility will also have long-term benefits in allowing more people to reach and enjoy such sites.</p> <p>Cultural heritage assets will be protected by an increase in flood defences.</p>

									Short-term adverse impacts on the cultural heritage sites and assets arising from construction and maintenance works should be mitigated through appropriate construction management plans on a scheme-by-scheme basis.
Landscape	✓	✓	✓	✓	✓	✓	✓	✓	<p>The impact on the landscape of delivery of the Mobility Strategy is mixed, although more positive than negative impacts are anticipated. As the Mobility Strategy primarily seeks to reduce the number of indiscriminate car trips within the region and an increase in the use of sustainable modes of transport, it is anticipated that less large-scale transport infrastructure projects (which can have adverse landscape impacts) will be implemented over the longer term.</p> <p>A reduction in traffic congestion, improved transport network improvements, and associated public realm improvements, as part of implementing the Mobility Strategy, would likely have positive impacts on streetscapes, townscapes, and landscapes.</p> <p>Flood prevention schemes also serve to offer protection to the landscape.</p> <p>Improved protection and enhancement of the Perth and Kinross landscape will likely also have positive benefits for population wellbeing.</p>

