

Assessment of K.4.3 summary of key actions in Ensuring Effective Management

Plan Option/ Measure	Key Actions Ensuring Effective Management (K.4.3)			Worksheet completed by:	WSP Environmental	
SEA Headline Criteria	SEA Criteria	Description of the value and vulnerability of the area likely to be affected	Description of the magnitude of the effect including timing, duration, & potential cumulative effects	Level of certainty (H/M/L), and assumptions	Mitigation measure(s) proposed	Significance of the residual effect (ie after mitigation)
<p>Air Quality To develop the transport network to maximise access whilst minimising detrimental impacts on air quality.</p> <ul style="list-style-type: none"> - To reduce congestion in Newport - To limit traffic growth. - To increase travel choice and the proportion of people using public transport, cycling and walking - To reduce number of car trips - To improve air quality <p>Overall significance after mitigation: Slight positive</p>	Should help tackle congestion through effective management of the highways network	<p>Congestion currently experienced within Newport at peak times</p> <p>The LDF growth scenarios for the Island are likely to result in population growth and therefore could result in traffic growth.</p> <p>Currently no AQMA on the Island but Environmental Health Department advise that air quality thresholds could be exceeded in the future if major development takes place on the Island increasing population and if ferry sizes and/or activity increases</p>	Not enough detail available to comment on magnitude	Low – no details provided. Assume that measures proposed elsewhere in the Five Year Strategy will be the methods of meeting targets to improve air quality, encourage the use of public transport, walking and cycling etc.	This section of the Plan should cross-refer to the rest of the report to improve air quality.	Slight positive – based on assumption that measures proposed elsewhere in Five Year Strategy will be methods used to tackle congestion, improve travel choice etc which should improve air quality.
	Should help limit traffic growth through working to achieve appropriate targets					Slight positive – as above
	Should help increase travel choice through working to achieve appropriate public transport, walking and cycling targets					Slight positive – as above
	Should help reduce the number of car trips through working to achieve appropriate targets					Slight positive – as above
	Should improve air quality through working to achieve appropriate targets.					Slight positive – as above
<p>Soil and geology To ensure the transport network does not adversely impact upon geology and soils, and which reduces the risk of erosion and instability due to human activity.</p> <ul style="list-style-type: none"> - To reduce the risk to property and people from erosion and instability - Avoid damage to the coastline or the loss of amenity as a result of human activity. - To avoid contamination of land - To protect areas important for geological processes <p>Overall significance after mitigation: No effect</p>	Not applicable because no changes to physical infrastructure proposed.					No effect
	Not applicable because no changes to physical infrastructure proposed.					No effect
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	Not applicable because no changes to physical infrastructure proposed.					No effect
<p>Water To maintain and improve the quality of the Island's watercourses, groundwater systems and to prevent an increase in risk from flooding.</p> <ul style="list-style-type: none"> - To ensure that highways works do not give rise to increases in surface run-off. - To protect the quality of water by controlling transport related development likely to adversely affect groundwater, surface water, bathing water, and 	Not applicable because no changes to physical infrastructure proposed.					No effect
	Not applicable because no changes to physical infrastructure proposed.					No effect

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estuaries quality. Overall significance after mitigation: No effect						
Landscape and townscape To protect and enhance the Island's landscape and settlement character. - To protect the landscape and settlement character of the Island and ensure that transport and its associated infrastructure does not negatively impact on the existing character of the area. - Positively enhance landscape and settlement character. - Conserve and enhance the AONB in line with its designated status, purpose and the AONB Management Plan. - Conserve and enhance the Tennyson and Hamstead Heritage Coasts in line with their status, purpose and AONB management plan. Overall significance after mitigation: No effect	Not applicable because no changes to physical infrastructure proposed.					No effect
	Not applicable because no changes to physical infrastructure proposed.					No effect
Biodiversity, fauna and flora To conserve and enhance the Islands biodiversity, fauna and flora. - To avoid net loss (direct and indirect), damage to, or fragmentation of designated wildlife sites and the qualifying habitats and species on which they depend (Marine, estuarine, terrestrial and freshwater). - To maintain biodiversity and the variety of habitats on the Island Overall significance after mitigation: No effect	Not applicable because no changes to physical infrastructure proposed.					No effect
	Not applicable because no changes to physical infrastructure proposed.					No effect
Archaeology and cultural heritage To protect the Islands historic environment and cultural resource - To protect the fabric and setting of designated and non-designated archaeological sites, monuments, historic parks and gardens, maritime heritage and listed buildings locally important historic buildings and conservation areas Overall significance after mitigation: No effect	Not applicable because no changes to physical infrastructure proposed.					No effect

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Climatic factors To reduce the Islands contribution to climate change and to limit transport development at risk from flooding and the effects of climate change - To reduce the amount of greenhouse gas emissions on the Island - To increase the amount of renewable fuels / technology used to power vehicles - To limit development at risk from flooding and the effects of climate change Overall significance after mitigation: Slight positive	Should help limit emissions of greenhouse gases from transport through working to achieve appropriate targets such as restricting traffic growth and encouraging more public transport use.		Targets include restricting traffic growth to 3% per annum, achieving a 12.1% increase in bus passenger journeys, achieving a 20% increase in train passenger journeys and achieving a 10.6 % increase in ferry passenger journeys.	Moderate – although effect on greenhouse gases emitted is not measured and therefore cannot be quantified.	Look for opportunities to further reinforce this effect by promoting use of alternative fuels, reducing the need to travel etc.	Slight positive
	No effect – because actions do not include alternative fuels.					No effect
	Not applicable because no changes to physical infrastructure proposed.				Ensure that partnership working includes planning transport infrastructure and services to reduce the vulnerability to the effects of climate change.	No effect
Human health and safety To protect and improve the safety and health of the population. - To make the Island's roads safer and reduce accidents - To increase opportunities for walking and cycling Overall significance after mitigation: Slight positive	Will make the Island's roads safer through working to achieve appropriate targets and effective management of the highways network and meeting targets to reduce road network where structural maintenance should be considered.	Powered two-wheeler and car casualties are substantially higher than for the whole of England. Injuries to older drivers are more than in the whole of Great Britain. Severity rate is worse on Island than whole of Great Britain and highway maintenance trends on recent years identified increasing number of crash locations where low skidding resistance may have been a contributory factor. Highways infrastructure on Island in need of significant investment to improve condition and increase safety.	Targets are to reduce the percentage of road network where structural maintenance should be considered but does not state how much structural maintenance this will involve to achieve the target or where the priorities areas are located.	low – more details required. Targets do not provide detail of what structural maintenance will be undertaken.	Look for opportunities to improve the safety of Island roads. Through maintenance of the highways network.	Slight positive
	Should increase opportunities for walking and cycling through working to achieve appropriate targets such as to have no deterioration of footways; to achieve 100% of pedestrian crossings with facilities for disabled and to increase cycling trips.	-	Not enough detail available to comment on magnitude. Do not know extent of footways in need of maintenance, or explicitly how cycling trips will be increased.	low – no detail as to how these targets will be met is provided.	Look for opportunities to improve opportunities for walking and cycling where the greatest need for improvements in opportunities exist.	Slight positive
Noise and Vibration To limit the risk of adverse noise and vibration effects and protect tranquil areas. - To limit / reduce the risk of the adverse noise and vibration effects of vehicle movements at the ferry ports - To limit / reduce the risk of the adverse noise and vibration effects of transport movement in the urban centres - To protect tranquil areas on the Island and avoid risk to them from light and noise pollution due to increases in traffic Overall significance after mitigation: No effect	Not applicable because no changes to physical infrastructure or routes proposed.					No effect
	Not applicable because no changes to physical infrastructure or routes proposed.					No effect
	Not applicable because no changes to physical infrastructure or routes proposed.					No effect
Population To improve accessibility for all sectors of the community, and minimise severance by sea. - To minimise the impact of severance by sea - To ensure transport is accessible for all sectors of the community regardless of age, income and mobility - To improve access to services	May not affect the impact of severance by sea because actions do not specifically address cross-Solent travel.	Severance by sea mainly a result of cost of ferries	Not enough detail available to comment on magnitude.	low – more details required. Does not state whether effective management will improve costs for passengers.	Uncertain mitigation available as Council has little influence over cost of cross-Solent travel.	No effect
	Should ensure transport is accessible for all sectors of the community through working to achieve appropriate targets	-	Not enough detail available to comment on magnitude	low – no details provided other than that effective management will work towards achieving targets.	More detail required in order to know what mitigation to propose	Slight positive
	Should improve access to services and facilities through working to achieve appropriate targets	-	Not enough detail available to comment on magnitude	low – no details provided other than that effective management will work towards achieving targets.	More detail required in order to know what mitigation to propose	Slight positive

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and facilities (e.g. retail, education, employment, health, leisure, sporting, cultural etc) - To increase access to the countryside Overall significance after mitigation: Slight positive	Is not likely to affect access to the countryside because no changes to footpaths/cyclepaths proposed within actions.		Not enough detail available to comment on magnitude	low – no details provided other than that effective management will work towards achieving targets.	More detail required in order to know what mitigation to propose	No effect
Material assets To improve and maintain the physical quality of the Island's transport infrastructure network - To ensure the use of recycled materials for road repair and construction. - To improve the physical quality of the island's transport infrastructure network through appropriate investment Overall significance after mitigation: Moderate positive	Not applicable because no changes to physical infrastructure proposed.					No effect
	Will improve the physical quality of the Island's transport infrastructure through effective management of highways infrastructure through better co-ordination, information and liaison.	Highways infrastructure on Island in need of significant investment to improve condition	Not enough detail available to comment on magnitude – e.g. what type of investment, where are priorities etc? Effects likely to be permanent long term but whether Island-wide is uncertain..	low – more details required regarding confidence that funding will be made available. If funding is available, there is still uncertainty regarding the location of improvements e.g. whether improvements will be localised or Island-wide.	More detail required	Slight positive

Summary

This set of key actions is difficult to assess because it is a set objectives as opposed to measures. Therefore it has been possible to show where these objectives are compatible with the sub-criterion. The magnitude of any compatibility (i.e. effect) has not been possible to comment on due to the lack of detail regarding measures which will be put in place. However, the measures associated with this section (Ensuring Effective Management) are those which are set out within the Implementation section of the LTP2 and these have been assessed.

The assessment of this section has only been able to show moderate positive effects with respect to Material Assets, Population, Human Health and Safety and Air Quality. A slight positive effect has been identified with respect to Climatic Factors. However these key actions are not found to affect Soil and Geology, Water, Landscape and Townscape, Biodiversity Fauna and Flora, Archaeology and Cultural Heritage and Noise and Vibration.

Notes

This Worksheet has been adapted from the worksheet template suggested in TAG guidance on SEA of LTPs. It has been amended to reflect the specifics of the SEA of the proposed Isle of Wight LTP2 SEA. The worksheet has been developed to provide a useful mechanism for assessing and recording the environmental effects of different options for measures/actions in the LTP2 and has therefore been structured to allow recording of effects against all SEA criteria on one worksheet. Separate worksheets have been completed for each alternative measure/option.

To aid consistency of appraisals and ease of comparison of alternatives, standardised scales of impact magnitude and impact significance have been used. These are based on the following:

Major negative – moderate negative – slight negative – no effect – slight positive – moderate positive – major positive