Matrix Schemes Within the Ryde area

Town	Ryde	Ryde	Ryde	Ryde
Plan Option/ Measure	Cycle Routes	Traffic management & safety Improvements	Urban Traffic Calming	Pedestrian Improvements & Links to Smallbrook Stadium
Implementation Year	1	3	3	4
SEA Criteria	**Potential effects: - - major negative, – slight negative, 0 no effects likely, + slight positive, ++ major positive, ? Uncertainty, ⇆ could be positive or negative depending on how scheme is implemented**			
Air Quality To develop the transport network to maximise access whilst minimising detrimental impacts on air quality.				
To reduce congestion in Newport	0	+ / ?	0	0
To limit traffic growth.	+	0	0	+
To increase travel choice and the proportion of people using public transport, cycling and walking	+	0	0	+
To reduce number of car trips	+	0	0	+
To improve air quality	+	0	0	+
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.				
To reduce the risk to property and people from erosion and instability	0	?	?	?
Avoid damage to the coastline or the loss of amenity as a result of human activity.	0	?	?	?
To avoid contamination of land	0	?	?	?
To protect areas important for geological processes	0	?	?	?
Water To maintain and improve the quality of the Island's watercourses, groundwater systems and to prevent an increase in risk from flooding.				
To ensure that highways works do not give rise to increases in surface run-off.	0	?	?	?
To protect the quality of water by controlling transport related development likely to adversely affect groundwater, surface water, bathing water, and estuaries quality.	0	?	?	?
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.	0	- / 0 / ?	- / 0 / ?	- / 0 / ?
Positively enhance landscape and settlement character.	0 / ?	- / 0 / ?	- / 0 / ?	- / 0 / ?

Conserve and enhance the AONB in line with its designated status, purpose and the AONB Management Plan.	0 / ?	0	0	?
Conserve and enhance the Tennyson and Hamstead Heritage Coasts in line with their status, purpose and AONB management plan.	0	0	0	0
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).	- / 0 / ?	?	?	- / 0 / ?
To maintain biodiversity and the variety of habitats on the Island	- / 0 / ?	?	?	- / 0 / ?
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	- / 0 / ?	⇆	⇆	⇆
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	+	0	0	+
To increase the amount of renewable fuels / technology used to power vehicles	0	0	0	0
To limit development at risk from flooding and the effects of climate change	- / ?	?	?	?
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	0	+ +	+ +	0 / ?
To increase opportunities for walking and cycling	+ +	+ / ?	+ / ?	+ +
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	0	0	0 / ?	0
To limit / reduce the risk of the adverse noise and vibration effects of transport movement in the urban centres	0	0	0	0
To protect tranquil areas on the Island and avoid risk to them from light and noise pollution due to increases in traffic	0	0	0	+ / 0 / ?
Population To improve accessibility for all sectors of the community, and minimise severance by sea.				
To minimise the impact of severance by sea	0	0	0	0
To ensure transport is accessible for all sectors of the community regardless of age, income and mobility	0	0	0	0
To improve access to services and facilities (e.g. retail, education, employment, health, leisure, sporting, cultural etc)	+	+ / 0 / ?	0 / ?	+ +
To increase access to the countryside	+	0	0	+ / ?
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.	0 / ?	0 / ?	0 / ?	0
To improve the physical quality of the island's transport infrastructure network through appropriate investment	0	+	0	0

Accompanying notes:

Cycle Routes

Key assumptions / uncertainty
Uncertain potential to increase surface water run-off; effect on townscape, conservation area, flood risk, biodiversity due to lack of info. re. locations of tracks.
Key comments
Will help create east-west cross-Island cycle track. Will provide increased opportunities for walking and cycling. SINCS located adjacent to old railway line between Wootton and Newport but works are likely to be of a minor nature.
Mitigation proposed
Avoid damage to SINCs between Wootton and Newport through development of Route 22 cross-Island cycle track. Maximise use of existing railway route to minimise impacts to countryside. Ensure pollution during construction/surface run-off. Ensure routes enhance conservation area and townscape such as through reflecting historic street patterns and increase permeability. Use recycled materials in path construction if practicable.

Traffic management & safety Improvements
Key assumptions / uncertainty
Locations unknown therefore potential effects on biodiversity, water quality, instability, heritage sites and conservation areas etc unknown.
Key comments
Will predominantly improve safety for drivers, pedestrians and cyclists.
Mitigation proposed
Ensure enhancements of conservation area through traffic management measures rather than adverse impacts of e.g. signs etc. Use recycled materials in construction where practicable.

Urban Traffic Calming
Key assumptions / uncertainty
Uncertainty over nature of works and locations therefore unknown potential impacts with relation to flood risk, surface run-off, biodiversity, heritage etc. Potential for calming to affect noise and vibration levels?
Key comments
Will predominantly improve safety and access for all road users.
Mitigation proposed
Ensure townscape particularly conservation areas are not adversely effected by traffic calming – ensure fit in with design guides for the area.

Pedestrian Improvements & Links to Smallbrook Stadium
Key assumptions / uncertainty
Little detail regarding proposed scheme therefore uncertain impacts with respect to soils and geology, water quality, heritage resources, flood risk etc
Key comments
Will provide increased opportunities for walking and cycling. SINCS located near to stadium..
Mitigation proposed
Avoid adverse effects on the nearby SINC and to wider countryside. Have consideration for impacts relating to surface water run-off, soil and geology, water, and heritage resources when planning scheme.

General Notes
Proposed schemes are not well defined with respect to location or extent of works.