

Matrix Schemes Within the Cowes/Newport/Pan area (Cowes Waterfront and Pan)

Location	Newport	Cowes	Cowes	Cowes	Cowes	Cowes	Cowes	Cowes	Cowes	Cowes	Cowes	Cowes	Cowes	Newport	Newport		Cowes		C/E.Cow es
Plan Option/ Measure	Transport Study	Improvements to Somerton Park & Ride	Strategic Freight Routes Study	Residents Parking Zones & Traffic Management (predominantly desegregating resident parking zones)	Footway Baring Road (negotiate purchase of gardens, dismantle stone wall, install footway and rebuild wall)	6'6" Width restriction Baring Road (installing signs)	Cycle Routes 23 link – Town Centre	High Street Access for Cyclists	Pedestrian Improvements Bath Road (Extend pedestrianised areas, remove kerbs and adjust traffic flows)	Traffic Calming & Safety Improvements Bath Road (replace roads humps with more wheel-chair-friendly)	Bus Gate Newport Road – Nodes Road	Pedestrian Improvements Floating Bridge	Cycle Parking Cowes Town Centre (install 'hoops', minor works)	Traffic Calming Sylvan Drive	Junction Improvements Sylvan Drive – Foxes Road	Cycle way signing	Strategic Freight Route Implementation	Cycle Way Construction east Side Medina River	Transport Interchange Improvements
Implementation Year	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	5
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	0	0	0	0	0	0	0	0	0	0	0	0	0	+ / ?	0 / ?	0 / ?
To limit traffic growth.	0	++	0	0	0	0	+	+	0	0	+	0	+	0	0	+	0	+	?
To increase travel choice and the proportion of people using public transport, cycling and walking	0	++	0	+	+	0	+	+	+	0	++	+ / ?	+	0	0	+	0	+	+
To reduce number of car trips	0	+	0	0	0	0	+	+	0	0	+	0	+	0	0	+	0	+	?
To improve air quality	0	+	0	0	0	0	+	+	0	0	+	0	+	0	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	0	0	0	0	0	?	0	0	0	0	?	0	?	0 / ?	0	0	?	?
Avoid damage to the coastline or the loss of amenity as a result of human activity.	0	0	0	0	0	0	?	0	0	0	0	?	0	0	0	0	0	0	?
To avoid contamination of land	0	0	0	0	0	0	0 / ?	0	0	0	0 / ?	?	0	0 / ?	0 / ?	0	0	0	?
To protect areas important for geological processes	0	0	0	0	0	0	0 / ?	0	0	0	0	0	0	0	0	0	0	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	- / ?	0	0	0	0	0 / ?	0	0	0	0 / ?	0 / ?	0	0 / ?	0 / ?	0	0	- / 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	-/?	0	0	0	0	0/?	0	0	0?	0/?	0/?	0	0/?	0/?	0	0	-/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	0	0	0	0	+	0/?	0	0/?	0/?	±	0/?	0	+/?	0	+/?
Positively enhance landscape and settlement character.	0	0/?	0	0	0	0	0	0	+	0/?	0	0/?	0/?	±	0/?	0	+/?	0	+/?
Conserve and enhance the AONB in line with its designated status, purpose and the AONB Management Plan.	0	0	0	0	0	0	0	0	0	0	0	0/?	0	0	0	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	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0/?	0	0	0	0/?	0/?	0	0	0	0	0	--/?	0/?
To maintain biodiversity and the variety of habitats on the Island	0	-/?	0	0	0/?	0	0/?	0	0	0	0/?	0/?	0	-/0/?	-/0/?	0	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	0/?	0	0	0	0	0/?	0	+/?	0/?	0/?	0/?	0	0/?	0/?	0	+/?	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	0	+	0	0	0	0	+	+	+	0	+	0	+	0	0	0/+	0	+	+/?

Accompanying notes

Transport Study

Key Assumptions / uncertainty

Assume that the study will have no effects on the SEA criteria

Key Comments

No effects identified

Mitigation Proposed

None

Improvements to Somerton Park & Ride

Key Assumptions / uncertainty

Assume P&R within industrial estate will not have significant effects re. landscape and townscape, or archaeology/ heritage sites. No SSSI, RIGGS located near Somerton, assumed no potential impacts on geology.

Key Comments

Potential for surface water run-off and pollution impacts from car park. Adjacent to SINC which is allocated as potential burial ground/crematoria. Unlikely to effect noise and vibration in Cowes. Improves access to park & ride buses and therefore town centre services/facilities. Improves transport infrastructure.

Mitigation Proposed

Ensure that improvements do not cause pollution of watercourses/estuary through surface water run-off. Use sustainable urban drainage systems/interceptors. Ensure townscape effects considered. Ensure no impacts on nearby SINC. If extend facility, maximise use of recycled materials in construction.

Strategic Freight Routes Study

Key Assumptions / uncertainty

Assume that the study will have no effects on the SEA criteria

Key Comments

No effects identified

Mitigation Proposed

None

Residents Parking Zones & Traffic Management

Key Assumptions / uncertainty

Uncertain location and extent of zones and therefore unable to understand extent to which this will reduce traffic in the town centre or reduce car trips

Key Comments

Key benefit is to discourage use of the private car by restricting parking for non-residents.

Mitigation Proposed

None.

Footway Baring Road

Key Assumptions / uncertainty

Assume no effects on biodiversity/designated wildlife sites as no designated sites within close proximity. Some garden areas will be purchased and potentially destroyed but biodiversity value unknown. Uncertain impacts re. noise and vibration for residents – slowing traffic could potentially reduce noise and vibration

Key Comments

Council has been in discussions with Conservation Team. Works will rebuild existing stone wall and will therefore not adversely affect the character of the area. Benefits pedestrians by providing more co-ordinated footpath and improves safety. Surface water unlikely to be affected and will be dealt with through current drainage system.

Mitigation Proposed

Maximise use of recycled materials in construction of the footpath.

6'6" Width restriction Baring Road

Key Assumptions / uncertainty

Uncertain impacts re. noise and vibration for residents – slowing traffic could potentially reduce noise and vibration

Key Comments

Benefits cyclists and pedestrians by limiting width of vehicles using the road and improves safety..

Mitigation Proposed

None

Cycle Routes 23 link – Town Centre

Key Assumptions / uncertainty

Route of path extension unknown. Assume route is only within town centre and scheme does not include route outside of Cowes. Uncertain affects on biodiversity, landscape, heritage sites. Assume will not achieve significant enough modal shift to affect noise levels in town centre.

Key Comments

Improves access to the countryside by foot and bicycle, provides improved facilities and access to town centre for cyclists/ pedestrians, encourages alternative mode to private car – potentially decrease traffic growth/air pollution.

Mitigation Proposed

Ensure works do not affect surface water run-off and nature conservation sites. Ensure visual impact of route is minimised to avoid adverse townscape impacts.

High Street Access for Cyclists

Key Assumptions / uncertainty

Assume no adverse impacts on townscape likely because scheme will be painting lines on road at the most..

Key Comments

Benefits cyclists, increasing access by bicycle to town centre facilities.

Mitigation Proposed

.None

Pedestrian Improvements Bath Road

Key Assumptions / uncertainty

Unknown risk of instability, location of junction in relation to watercourse, potential for biodiversity/species/habitats impacts, geology impacts, and archaeology and heritage impacts. Uncertain potential for use of recycled materials.

Key Comments

Predominantly improves access for pedestrians, cyclists and mobility impaired in town centre.

Mitigation Proposed

Ensure works enhances conservation areas rather than adversely affecting them. Ensure works do not increase surface run-off and give rise to pollution.

Traffic Calming & Safety Improvements Bath Road

Key Assumptions / uncertainty

Uncertain potential for use of recycled material.

Key Comments

Unlikely traffic calming will affect noise and vibration levels. Scheme will predominantly improve safety and accessibility..

Mitigation Proposed

Ensure works enhances conservation areas rather than adversely affecting them.

Bus Gate Newport Road – Nodes Road

Key Assumptions / uncertainty

Assume minor engineering works required to install bus gate. Potential for impacts on biodiversity, heritage sites. Unknown potential for risks to instability and geology, water pollution, surface water run-off. Effect on landscape not likely.

Key Comments

Allows priority for buses at junction making travel by bus into Cowes more attractive.

Mitigation Proposed

Ensure scheme does not give rise to adverse impacts relating to biodiversity, soils and geology, water, etc.

Pedestrian Improvements Floating Bridge

Key Assumptions / uncertainty

Exact nature of works unknown. Likely to be located in area at risk from flooding, but type of development could potentially be suitable in this area.

Key Comments

Makes walking in town centre/using bridge on foot more attractive by increasing safety. Improves access by foot.

Mitigation Proposed

Ensure flood risk and pollution to watercourses in particular are considered when planning scheme.

Cycle Parking Cowes Town Centre

Key Assumptions / uncertainty

Location of cycle parking or number unknown.

Key Comments

Makes cycling in town centre more attractive and increases access to cycling facilities.

Mitigation Proposed

Ensure design of cycle parking is in accordance with design guidelines for the area e.g. within conservation area.

Traffic Calming Sylvan Drive

Key Assumptions / uncertainty

Exact nature of works unknown. Uncertain potential for impacts to water quality, surface run-off, heritage, biodiversity and potential for use of recycled materials. Part of road may be at risk from flooding where it crosses a watercourse.

Key Comments

Improves safety predominantly for residents/pedestrians and cyclists.

Mitigation Proposed

Ensure flood risk, pollution of watercourses, soil and geology biodiversity etc are considered when planning scheme.

Junction Improvements Sylvan Drive – Foxes Road

Key Assumptions / uncertainty

Exact nature of works unknown. Uncertain potential for impacts to water quality, surface run-off, heritage, biodiversity and potential for use of recycled materials. Part of road may be at risk from flooding where it crosses a watercourse.

Key Comments

Improves safety.

Mitigation Proposed

Ensure flood risk, pollution of watercourses, soil and geology biodiversity etc are considered when planning scheme. Ensure any hedges removed are replaced.

Cycle way signing

Key Assumptions / uncertainty

Do not know locations of paths. Uncertain whether will increase access to facilities / services.

Key Comments

Increases cycling by promoting paths.

Mitigation Proposed

None

Strategic Freight Route Implementation

Key Assumptions / uncertainty

Do not know route at this stage. Assume will divert heavy vehicles away from residential areas/ town centres – benefit townscape, vibration and noise. Uncertain affects on tranquil areas and countryside, and on heritage sites.

Key Comments

Should direct heavy goods traffic away from most sensitive areas / inappropriate areas with regard to safety and noise and vibration?

Mitigation Proposed

Ensure route avoids sensitive receptors such as residential dwellings very close to roads and avoids the AONB and heritage Coasts.

Cycle Way Construction east side Medina River

Key Assumptions / uncertainty

Exact works involved unknown therefore impacts on watercourse, soils, instability, biodiversity, River Medina SAC, flood risk uncertain. Also uncertain potential to use recycled materials.

Key Comments

Major positive effect on access between Newport and Cowes by bicycle. Need to ensure construction does not adversely affect the River Medina SAC designation. Route was discussed as part of UDP public enquiry and is deemed to be in line with conservation policies.

Mitigation Proposed

Put in place appropriate mitigation to avoid impacts on this sensitive estuary system, e.g. avoid fragmentation of wildlife corridors on bank, avoid erosion of bank, change in surface water run-off etc.

Transport Interchange Improvements

Key Assumptions / uncertainty

Exact nature of works unknown. Uncertain potential to affect coastline, instability, watercourse, biodiversity, heritage sites, flood risk, use of recycled materials. Potential to enhance townscape.

Key Comments

Benefits users of public transport, increases access to transport, facilitates change of mode but uncertain effects – no details regarding scheme.

Mitigation Proposed

Ensure the scheme improves the townscape and avoids impacts on e.g. watercourses, surface run-off, heritage resources, flood risk etc.

General Notes

Focus of measures is on Cowes. Not much that will help tackle congestion in Newport (although one of the bids is aiming to do this).