

Background Document

Eco Impact Checklist

Title of report: A4018 transport improvements funding bid					
Report author: Jacob Pryor					
Anticipated date of key decision: May 16 th					
Summary of proposals: <ul style="list-style-type: none">• Funding is sought to design and deliver transport measures for the A4018 to mitigate the impact of the Cribbs Patchway New Neighbourhood (CPNN) housing development, providing junction improvements at Crow Lane roundabout and Charlton rd. junction which will encourage greater use of sustainable modes of transport along the corridor and improve existing road layouts.• Traffic modelling for the CPNN suggests that there is insufficient capacity on the A4018 to safely handle the number of new trips that the development will bring.• Increased congestion is likely to create significant difficulties for trips to and from the CPNN, not just in the ability of private vehicles to enter and leave the development, but also the impact on public transport journey times and the appeal of using active modes of transport.• If the bid is successful, the funding will deliver improved road junction layouts, bus priority facilities and safe and legible routes and crossing points for pedestrians and cyclists.• The proposal is to work with key stakeholders (Inc. but not limited to) local residents, ward councillors and the Mayor in 2017/18 to draw up options for the scheme and complete preliminary design work using a small proportion of the available funding. Once agreed these designs will form part of a comprehensive business case to the LEP which will allow us to secure the remainder of the funding to deliver the project between 18/19-20/21					
Will the proposal impact on...	Yes/ No	+ive or -ive	If yes... <table border="1"><tr><td>Briefly describe impact</td><td>Briefly describe Mitigation measures</td></tr></table>	Briefly describe impact	Briefly describe Mitigation measures
Briefly describe impact	Briefly describe Mitigation measures				
Emission of Climate Changing Gases?	Y	+ve	Building facilities to improve traffic flow in busy locations and get more people using public transport, walking and cycling will provide a reduction		

		-ve	<p>in greenhouse gas emissions.</p> <p>Construction of new facilities will result in the emissions of greenhouse gases, from the embedded carbon in new materials used, onsite machinery and increased traffic congestion during works.</p>	Officers in transport will work with the Environmental Performance Team to identify opportunities for the reuse of materials and/or use of recycled materials in the construction of the scheme.
Bristol's vulnerability to the effects of climate change?	Y	+ve	Providing and promoting alternative modes of travel improves the resilience of the transport network due to reduced reliance on private motor transport.	Staff will work with the Strategic Resilience Officer to enhance the opportunities to improve the city's resilience.
Consumption of non-renewable resources?	Y	+ve	Promotion of sustainable travel modes that results in modal shift away from single occupancy vehicle use will reduce consumption of non-renewable fossil fuels.	Officers in transport will work with the Environmental Performance Team to identify opportunities for the reuse of materials and/or use of recycled materials in the construction of the schemes.
		-ve	Construction of the new facilities will require the use of non-renewable materials	
Production, recycling or disposal of waste	Y	-ve	Development of the facilities will result in the production of waste products associated with construction.	
The appearance of the	N	+ve	Promoting	

city?			alternatives to car use will reduce the negative impact that moving and parked cars have on the appearance of the city.	
Pollution to land, water, or air?	Y	-ve	Works may cause noise, dust, odour, or light pollution.	Works will be restricted to equipment, times and days that minimises the impact.
		+ve	Promoting sustainable transport will have a positive impact on air quality in the city - especially those interventions that encourage more cycling and walking trips. Encouraging residents to switch from private car to the public transport also has a net positive impact on air quality.	Staff will work with the Project Officers with responsibility for air quality to enhance the opportunities to improve the air quality within the city.
Wildlife and habitats?	N		Planned works will take place on existing highway.	

Consulted with:

Summary of impacts and Mitigation - to go into the main Cabinet/ Council Report

The bid involves a number of small scale works that will have limited noise, dust, odour, waste and carbon emissions impacts. These will be mitigated by material and plant selection, efficient works scheduling, and working with air quality officers. The works are likely to have significant overall benefits by encouraging the use of walking, cycling and public transport.

Checklist completed by:

Name: Giles Liddell	Jacob Pryor
Dept.: Environment and Sustainability	Place
Extension:0117 922 4478	0117 922 1242
Date: 10/03/2017	06/03/17
Verified by: Steve Ransom	