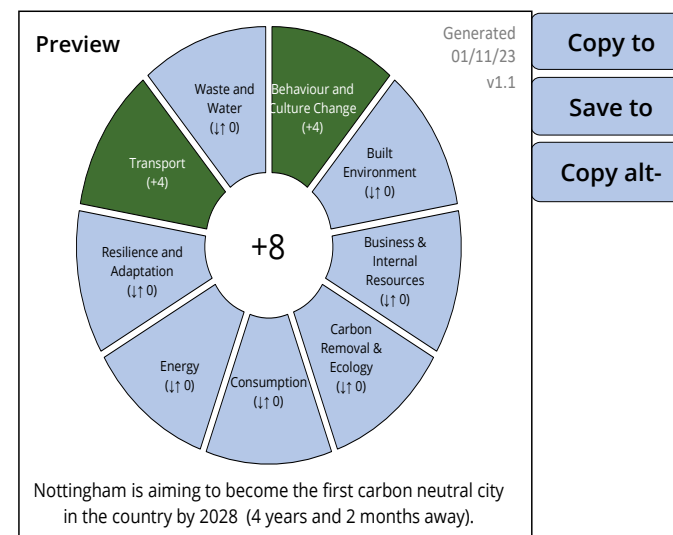


Carbon Impact Assessment Dashboard Tool (v1.1)

Report Name	DfT: Safer Roads Fund – Road Safety Improvements on the A609 & A6130
Report date	17/10/23
Report author	Sushma Fear
Project Notes	Road safety improvements aim to reduce the number and severity of road traffic collisions and resultant casualties by providing a safer environment for all road users and pedestrians.
Export filename	DfT: Safer Roads Fund – Road Safety Improvements on the A609 & A6130 CIAD 17.10.2023 .png



Category	Impact	Notes / justification for score / existing work (see guidance sheet or attached notes for more information)
Behaviour and Culture Change	Communication & engagement	Consultation and engagement with local disability and community groups, residents and local businesses and services will be programmed in. The project will provide safer options for cycling and walking; promoting active travel options. Awareness is increased on safer, cleaner travel and the impact on air quality, supporting the Nottingham 2028 - Carbon Neutral Charter.
Behaviour and Culture Change	Wider influence	The project builds on and links in with other transport projects and the promotion of active travel options and use of public transport.
Behaviour and Culture Change	Working with communities	Consultation and engagement with local disability and community groups, residents and local businesses and services will be programmed in. These communication events will help to build on existing climate change awareness campaigns in the community.
Behaviour and Culture Change	Working with partners	Partners will be engaged with at the communication events. This will include the university, local schools, businesses, residents and Local Members.
Built Environment	Building construction	The project involves improving existing and installing new highways infrastructure. National guidance and design standards will be adhered to ensure any measure implemented as part of the project meet current standards and the project design will be subject to Stages 1, 2 and 3 Road Safety Audits. Use of appropriate measures and materials will be integrated into the design. New infrastructure is likely to be required, which will result in embodied carbon, therefore there will be a negative impact.
Built Environment	Building use	The road safety improvements provide opportunities to encourage low carbon travel options.
Built Environment	Switching away from fossil fuels	Not applicable.

Business & internal resources	Developing green businesses	Not applicable.
Business & internal resources	Marketable skills & training	Not applicable.
Business & internal resources	Sustainability in business	Unknown at this stage. Not entered the procurement stage yet.
Business & internal resources	Material / infrastructure requirement	Unknown at this stage. Not entered the detailed design stage yet.
Carbon Removal & Ecology	Carbon storage	No change to carbon storage.
Carbon Removal & Ecology	Biodiversity & Ecology	No change to the natural environment.
Carbon Removal & Ecology	Bee friendly city	No change to the natural environment.
Carbon Removal & Ecology	Carbon offsets	No change to help offset emissions.
Consumption	Food & Drink	Not applicable.
Consumption	Products	Additional products to be installed as part of the road safety improvements, these are necessary to reduce the number and severity of road traffic collisions and resultant casualties. The design is not confirmed yet and the supplier has not be procured however they environmental policy of the suppliers and contractor will be reviewed.
Consumption	Services	We are increasing the overal consumption by installing new equipment but these are necessary to improve road safety. The design is not confirmed yet and the supplier has not be procured however they environmental policy of the suppliers and contractor will be reviewed. The road safety improvements do promote active travel options.
Consumption	Local and low-carbon production	Not applicable.
Energy	Local renewable generation capacity	Not applicable.
Energy	Reducing energy demand	The new installations will may the overall energy demand. Energy efficiency will be considered as part of the design and procurement stages.
Energy	Improved energy storage	Not applicable.
Resilience and Adaptation	Green / blue infrastructure	Not applicable.
Resilience and Adaptation	Natural flood management	Not applicable.
Resilience and Adaptation	Drought vulnerability	Not applicable.
Resilience and Adaptation	Flooding vulnerability	Not applicable.
Resilience and Adaptation	Heatwave vulnerability	Not applicable.
Transport	Staff travel requirement	There is no impact on the requirement for staff to travel more or less. There may be a change to means of travel activity. Bus lane connectivity will improve the public transport offer. Improvements in the provision of a cycle and bus lane and improve pedestrian facilities, promote safer active travel.
Transport	Decarbonising vehicles	There is no impact on the use of fossil-fuelled vehicles. There may be a change to means of travel and in increase in bus use due to improved bus lane connectivity and the use of improved NCT electric and biogas buses.
Transport	Improving infrastructure	The project does increase opportunities to use low carbon forms of travel. The road improvements the project will deliver assists to meet the need to reduce car journeys and increase cycling, walking and use of the public transport network. Reduce emissions from vehicle fuel consumption. Assist to reduce car journeys and to reduce carbon emissions, the majority of which comes from journeys on minor and A roads. The project will also expand the cycle network will allowing bicycles to use the improved bus lane and priority measures.

Transport	Supporting people to use active travel	The project supports the use of active forms of travel. School Safety Schemes, reduced speeds and zebra crossings may increase the uptake of active travel and provide means to encourage pupils and parents to walk and cycle to school or work, especially for shorter journeys. The project supports other works being completed on the routes and will continue to promote the use of public transport and improvements to the bus infrastructure as well as highways infrastructure to improve road safety for all road users and pedestrians.
Transport	Reduced need to travel	The project has no impact on the requirement or need to travel in the city. Contractors will need to travel to site to deliver the project and at this time we do not have information on the type of energy used to power their fleet of vehicles, this will be confirmed at the procurement stage.
Waste and Water	Single-use plastic	The design is not confirmed yet and the supplier has not been procured however their environmental policy of the suppliers and contractor will be reviewed.
Waste and Water	End of life disposal / recycling	Not applicable.
Waste and Water	Waste volume	Not applicable.
Waste and Water	Water use	Not applicable.
Other	Other 1	
Other	Other 2	