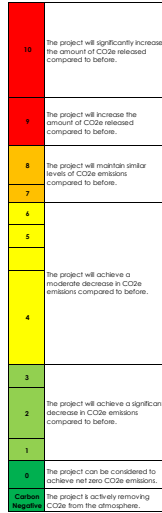


Full Assessment

Category	Impact	Description of Project Impact	Mitigation Measures	Mitigated Score	Procurement Action Required?	Proposed KPI/Measure
Buildings and Infrastructure	Construction	As there will be demolition and construction (including transportation of materials) there will be a negative impact in the short term with regards to carbon.	Subbase and surface materials are retained or reused where possible. Where new stone is required, local suppliers have been chosen where possible, reducing carbon miles row and for replacement/maintenance in the future. Contractors are investigation the use of solar welfare cabins and electrical plant on site, but they are under no obligation to progress as there are no climate change requirements within SCC contracts for buildings and infrastructure, and no funds are allocated to finance this.	8		
	Use	Emissions in use are unlikely to change significantly, there will be limited additional maintenance required associated with pedestrianisation area and KVM, but this should be offset by the reduced maintenance associated with street clutter/elements to be removed and upgraded surfaces.		NA		
	Land use in development	Resurface of existing built up area. No use of greenfield, there will be increased planted areas - see Nature/Land use section.		5		
Transport	Demand Reduction	N/A		NA		
	Decarbonisation of Transport	N/A		NA		
	Public Transport	N/A		NA		
	Increasing Active Travel	Some improvement to walking facilities e.g. improved safety and accessibility. The removal of street clutter, changing the surface to a smooth walking surface and organisation of the street, limiting vehicle access to the defined servicing route, are all benefits to pedestrians. Benefits have been calculated using DfT Active Mode Toolkit, based on additional daily trips associated with events over a 20 year period. Cycle parking is provided for cyclists to arrive at the pedestrian area and dismount, while being able to lock their bikes securely.	No further mitigations specified.	3		
Energy	Decarbonisation of Fuel	The project provides event infrastructure - predominantly power, though other provisions were offered - to support events in the external events area, the replaces the current need for diesel generators to support events, reducing both carbon and noise pollution as gas electricity decarbonises.	No further mitigations specified.	4		
	Demand Reduction/Efficiency Improvements	Refurbishment of street lighting and provision of new equipment reduced the energy demand to street lighting in use.	No further mitigations specified.	4		
	Increasing Infrastructure for renewables generation	N/A		NA		
Economy	Development of low carbon businesses	N/A		NA		
	Reduce in low carbon skills/training	N/A		NA		
	Improved business sustainability	N/A		NA		
Influence	Awareness Raising	Education resources will be placed within the SUDS back to explain how the landscape mitigates climate change, and the benefits of green landscaping with at the city centre. The team is also interested in the creation of a city centre grey to green running route. This is under development, but would introduce active travel, health and potentially education benefits.	No further mitigations specified.	4		
	Climate Leadership	Sheffield Grey to Green and general SUDS approach throughout the city centre is internationally renowned. The flagship scheme builds on this success, and introduces the scheme to a busy city centre pedestrian and conservation area.	No further mitigations specified.	4		
	Working with Stakeholders	N/A		NA		
Resource Use	Water Use	N/A		NA		
	Food and Drink	N/A		NA		
	Products	Refer to Buildings and Infrastructure section		NA		
	Services	N/A		NA		
Waste	Waste Reduction	As there will be demolition and construction (including transportation of materials) there will be a negative impact in the short term with regards to waste production.	Excavation has been minimised, with a reuse of sub base proposed and a feeding regime put in place to ensure existing surface meet standards. Excavation and replacement to be by exception.	6		
	Waste Hierarchy	As there will be demolition and construction (including transportation of materials) there will be a negative impact in the short term with regards to waste production.	Materials including sandstone and some setts will be reused on site. Again, street furniture will be reused where possible. Where materials are not reused within the scheme, opportunities to reuse materials on nearby sites will be explored. Potential reduction in depot space may pose a challenge for this proposed mitigation.	5		
	Circular Economy	N/A		NA		
Nature/Land Use	Biodiversity	Introduction of significant areas of green-scaping in SUDS and planting areas. The site is a city centre area. Biodiversity is low. Some limited loss of trees.	Tree removal has been minimised. Where possible trees are retained. Total number of trees to be exceeded. Significant introduction of diversity through planting.	4		
	Carbon Storage	Increase in trees but likely to be minimal input on carbon storage - likely neutral impact.		NA		
	Flood Management	The scheme itself introduces significant green areas into the city centre, reducing the urban heat island effect, and providing sustainable urban drainage to manage surface water and reduce pressure on the city's drainage network.	No further mitigations specified.	4		
Adaptation	Exposure to climate change impacts	The scheme itself introduces significant green areas into the city centre, reducing the urban heat island effect, and providing sustainable urban drainage to manage surface water and reduce pressure on the city's drainage network.	No further mitigations specified.	4		
	Vulnerable Groups			NA		
	Just Transition			NA		



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