

Appendix 4, Climate Impact Assessment, Effingham Street – Town Centre Public Realm Update Report

Will the decision/proposal impact...	Impact	If an impact or potential impacts are identified:			
		Describe impacts or potential impacts on emissions from the Council and its contractors.	Describe impact or potential impacts on emissions across the Borough as a whole.	Describe any measures to mitigate emission impacts	Outline any monitoring of emission impacts that will be carried out
Emissions from non-domestic buildings?	None	There are no direct implications expected from the Effingham Street public realm works.	There are no direct implications expected from the Effingham Street public realm works.	N/A	N/A
Emissions from transport?	None	Contractor vehicles visiting and working on the site could increase emissions during the construction period. The main types of proposed paving are manufactured in the UK.	There are no direct implications expected from the Effingham Street public realm works.	Ask contractor to minimise deliveries to site. Look to promote active travel and reduce single occupancy car journeys.	Through design tender and construction process – monthly contractor reports.
Emissions from waste, or the quantity of waste itself?	Increase	Engagement with the contractor on the design and delivery to ensure there is minimal waste created from the Effingham Street public realm works.	There are no direct implications expected from the Effingham Street public realm works.	Engagement with the contractor to ensure promotion of waste segregation and diversion from landfill during the construction process and adherence with local waste management practice during operation.	Statutory reporting requirements during construction.
Emissions from housing and domestic buildings?	None	There are no direct implications expected from the Effingham Street public realm works.	There are no direct implications expected from the Effingham Street public realm works.	N/A	N/A

Emissions from construction and/or development?	Increase	There will be an increase in emissions from construction due the extraction, manufacture and transportation of materials; waste and transportation of workers and machinery.	There are no direct implications expected from the Effingham Street public realm works.	As above in transport and waste sections.	Through design tender and construction process – monthly contractor reports.
Carbon capture (e.g. through trees)?	None	The current number of trees that are established on Effingham Street are staying in situ. No additional trees are being planted.	There are no direct implications expected from the Effingham Street public realm works.	N/A	N/A

Identify any emissions impacts associated with this decision which have not been covered by the above fields:

Providing power to the market stalls could have several impacts, depending on whether this is replacing existing generators used by traders or creating new demand for electricity. Replacing existing generators (which may be run off diesel) with mains power is likely to reduce emissions as mains electricity has a lower carbon factor (ie – some of the electricity is sourced from renewable sources).

Will the proposal affect Council services' resilience to climate change, or the capacity of people living in the Borough to adapt to climate change?

There are limited impacts on the ability of council services or local people to adapt climate change as a result of this project. Potential impacts may include:

- There may be some differences in terms of the risk of surface water run-off between the current paving materials and the new paving material proposed to be installed.
- Upgraded benches to provide improved seating – features like this can help vulnerable residents rest during periods of extreme heat.

Provide a summary of all impacts and mitigation/monitoring measures:

There will be an increase in emissions during the construction period. These include emissions from:

- Transportation: through the transportation of workers, materials and machinery. This will be mitigated through asking for deliveries to be minimised and for single use car journeys to be minimised.

- Waste: through the disposal of the old paving materials. Through contractor engagement it is hoped that the emissions during construction can be kept to a minimum, promote waste segregation and diversion from landfill.
- Materials: extracting, manufacturing and transportation of the paving materials used. This is mitigated by the two main proposed types of paving being manufactured within the UK.
- Energy use: The provision of mains power to the market stalls is a significant improvement, as it replaces the need for diesel generators. This change not only reduces noise and air pollution but also provides a more reliable and sustainable energy source for the vendors.

Supporting information:	
Climate Impact Assessment Author	Melanie Clark Project Manager RiDO Regeneration and Environment
Please outline any research, data or information used to complete this Climate Impact Assessment.	N/A.
If quantities of emissions are relevant to and have been used in this form please identify which conversion factors have been used to quantify impacts.	N/A.
Validation	Tracking Reference: CIA444 Katie Rockett Climate Change Officer