

APPENDIX D ENVIRONMENT AND SUSTAINABILITY ASSESSMENT

Environment and Sustainability Assessment

Project Title:	Highway Maintenance and Management PFI Contract			
Directorate: City Operations	Service: Highways and Infrastructure	Person Responsible for assessment: Domenic de Bechi		
Date of assessment: 31 January 2023		Is it a new or existing proposal?: Existing		
Brief description of the proposal: For Cabinet to approve the Full Business Case for the appointment of a long-term replacement subcontractor for the Highway Maintenance and Management PFI contract.				
Potential impacts of the decision on:	Positive Impact	Negative Impact	No Specific Impact	What will the impact be? If the impact is negative, how can it be mitigated, what action will be taken?
Natural Resources - Impact on natural resources including water, soil, air			✗	This decision will not have a direct impact on the use of natural resources beyond those already committed to by the Council in carrying out its statutory obligations to maintain its existing highway infrastructure. Investment will require the use of natural resources to maintain highway infrastructure. The impact of this use is mitigated by using reused or recycled materials where appropriate (see below under Sustainable Products).

Potential impacts of the decision on:	Positive Impact	Negative Impact	No Specific Impact	What will the impact be? If the impact is negative, how can it be mitigated, what action will be taken?
Energy use and CO ₂ emissions			x	<p>This decision itself will not have a direct impact on the use of energy and CO₂ emissions.</p> <p>Consequential investment in street lighting and other powered apparatus will result in more energy-efficient equipment being used, thereby reducing energy use and CO₂ emissions.</p>
Quality of environment	x			<p>This decision itself will not have a direct impact on the quality of the environment.</p> <p>Investment in surfacing of Carriageway and Footway will result in renewal and repair of surfaces, which will improve the quality of the environment.</p>
Impact on local green and open spaces and biodiversity			x	<p>This decision will not directly affect green / open spaces or biodiversity. Management of the Council's 76,000 highway trees is part of the services within the contract, ensuring that these trees are maintained and healthy.</p> <p>Maintenance of effective highway drainage contributes to management of water and flood risk.</p>

Potential impacts of the decision on:	Positive Impact	Negative Impact	No Specific Impact	What will the impact be? If the impact is negative, how can it be mitigated, what action will be taken?
Use of sustainable products and equipment	x			<p>This decision itself will not have a direct impact on the use of sustainable products and equipment.</p> <p>Where surfacing works are undertaken, materials are reused wherever possible, typically either relaying existing materials (such as paving) if not damaged or using recycled materials (such as materials made from recycling previous surfacing materials).</p> <p>For street lighting or powered apparatus works see Energy Use above.</p>
Minimising waste	x			<p>This decision itself will not have a direct impact on minimising waste.</p> <p>Where materials can be re-used (as described under Sustainable Products above) this minimises waste.</p>
Council plan priority: a city that takes a leading role in tackling climate change	x			<p>Use of sustainable materials and improved energy efficiency are key outcomes within the delivery of the statutory duties that this decision enables. This is part of the Council taking a leading role in tackling climate change.</p>

Potential impacts of the decision on:	Positive Impact	Negative Impact	No Specific Impact	What will the impact be? If the impact is negative, how can it be mitigated, what action will be taken?
Overall conclusion on the environmental and sustainability impacts of the proposal	<p>The investment that results from this decision is necessary to meet the Council's statutory duties to maintain the Highway. The above mitigations reduce the impact of this where appropriate and most investment in powered apparatus will additionally improve energy efficiency as part of the benefits.</p> <p>The long-term replacement sub-contractor will set out its targets and approach to sustainability in its final tender (submitted in July 2023). It is a requirement for a successful tender that this is aligned with the Council's objectives.</p>			