

**Eco Impact Checklist**

*Refer to the guidance on the source before completing and then delete this section*  
<http://intranet.bcc.lan/ccm/content/articles/cd/sustainable-development/cabinet-report-guidance---eco-impact-assessment.en>

<b>Title of report: Structural Repairs to Temple Gate &amp; West End MSCPs</b>				
<b>Report author: Gary Lloyd, Infrastructure Manager, Parking Services</b>				
<b>Anticipated date of key decision: Cabinet 3<sup>rd</sup> September 2019</b>				
<p><b>Summary of proposals:</b> The Temple Gate and West End MSCP car parks are now around 50 years old. They are not built to modern standards. Both car parks are showing signs of age and as with all reinforced concrete structures of this age require structural repairs and maintenance to extend their useful life. The report is seeking confirmation that Parking Services can spend the allocated capital funds to undertake the work.</p> <p>The car parks have been surveyed and inspected by Jacobs in 2018 with the task of recommending how the useful life of the car parks can be extended. (The recommendation is 10 years for both car parks). Both car parks need to have repairs to their reinforced concrete structures to prevent and slow down the chlorine induced corrosion they are experiencing. The works will include the replacement of the glazing systems to the stairwells in both car parks.</p> <p>Jacobs is the CDM Co-ordinator and will be drafting the full specification and tender documents for the works and will be managing the project on the sites to ensure that the contractors complies with the Council’s requirements.</p>				
<b>Will the proposal impact on...</b>	Yes/No	+ive or -ive	<b>If Yes...</b>	
			Briefly describe impact	Briefly describe Mitigation measures
Emission of Climate Changing Gases?	Yes	-ive	Materials will need to be transported to each site repair the car parks.	<p>Ensure that contractors minimise waste, and that, where technically feasible, any waste is sent for recycling rather than landfill. The contractor should make efforts to use materials from local sources to minimise the amount of transport involved with the repair works.</p> <p>Consider contractor locality during procurement to reduce travel miles.</p> <p>It should be noted that</p>

				the lighting system in both car parks was replaced in early 2019 with an LED system as part of a project with the Energy Service.
Bristol's resilience to the effects of climate change?	No			
Consumption of non-renewable resources?	Yes	+ive	Repairs will require concrete and possible minimal steel strengthening, new seals in a number of joints and repairing parts of the deck coatings.	<p>The design and planning of the repair works should consider efforts to minimise the use of non-renewable resources.</p> <p>Contractors will be encouraged to use recycled materials where possible if the materials do not add to further corrosion of the repaired areas.</p> <p>Where possible materials to be green guide A+ - C certified.</p> <p>As works are being completed on the roof areas, there is an opportunity to look at potential of Solar PV install on the back of this. To discuss with the energy service (Ian Watkins).</p>
Production, recycling or disposal of waste	Yes	-ive	The repairs will generate waste.	The contractor as part of the tendering process will be asked to recycle as much material as possible on site, ensure raw materials are stored carefully to avoid spillage, generation of a nuisance and ensure that any waste management activities are compliant

				<p>with relevant legislation.</p> <p>The contractor will produce a waste management plan.</p> <p>The contractor will register the site with the Considerate Constructors Scheme and must achieve a Certificate of Performance Beyond Compliance, as defined by the scheme.</p>
The appearance of the City?	No			
Pollution to land, water, or air?	Yes	-ive	<p>Potential for grey water run off that will be contaminated with concrete material.</p> <p>There will be dust generated from the concrete repairs as "bad" areas are removed.</p>	<p>Ensure contractor introduces measures to control and treat contaminated water appropriately. There should be no run-off to surface waters from the site. This will be addressed in the tendering process with advice from Pollution Control to ensure compliance with relevant legislation. Emergency spill control measures to be put in place if this seems a likely risk.</p> <p>Impacts from dust generated during the works will be mitigated using best practice techniques for construction sites.</p> <p>The contractor will register the site with the Considerate Constructors Scheme and must achieve a Certificate of Performance Beyond</p>

				<p>Compliance, as defined by the scheme.</p> <p>Ensure contractors are aware of any asbestos on the sites and do not disturb this or only use qualified asbestos contractors if working on asbestos areas.</p>
Pollution Noise	Yes	-ive	<p>It is anticipated that power tools will be used to remove areas of concrete from the structure. These are likely to generate noise above normal levels in the car parks.</p>	<p>Contractors will be instructed to work during the weekday eg. 0800 and 1800. Weekend working will be avoided if possible unless there are exceptional circumstances. Noise suppression techniques will be used where feasible.</p> <p>The contractor will register the site with the Considerate Constructors Scheme and must achieve a Certificate of Performance Beyond Compliance, as defined by the scheme.</p>
Wildlife and habitats?	No			
<b>Consulted with:</b>				
<b>Summary of impacts and Mitigation - <u>to go into the main Cabinet/ Council Report</u></b>				
<p>The significant impacts of this proposal to repair the Temple Gate and West End car parks are that new materials will be required to undertake the works (concrete and a small amount of steel). The repair works will generate waste material and dust from removal of concrete in need of repair and water used in the building works that will be contaminated from the concrete manufacturing and the control of dust. Power tools will be required to remove concrete prior to facilitate the repairs that will generate noise and dust.</p> <p>The proposals include the following measures to mitigate the impacts: the tender process</p>				

will ensure that the successful contractor will be required to comply with relevant legislation and work practices to ensure as much waste material is recycled, that dust and contaminated water run-off is contained and disposed of appropriately. The contractor will register the site with the Considerate Constructors Scheme and must achieve a Certificate of Performance Beyond Compliance, as defined by the scheme. Contractors will be instructed to work during the weekday eg. 0800 and 1800. Weekend working will be avoided if possible unless there are exceptional circumstances. Parking Services have appointed Jacobs as CDM Co-ordinator to draft the full specifications for the structural repairs to the car parks and to manage the projects on site to ensure that the contractor complies with the council's requirements. Contractors as part of the tender process will be required to produce method statements and risk assessments.

The net effects of the proposals are on balance potentially negative but mitigation will reduce these effects as practicably possible.

**Checklist completed by:**

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