

RAISING LONDON CIRCUIT ENVIRONMENTAL ASSESSMENT

Chapter Summary: Water and Hydrology



The Raising London Circuit project has been assessed to have a low risk of flooding and water pollution impacts.

DURING CONSTRUCTION

During construction, where there are increased impervious surfaces such as concreted areas or bare soil, a larger volume of water can run off the site. The project would include large-scale earthworks, which would modify where water would flow in the event of a storm, and change drainage patterns on the site. There is potential for large quantities of sediment to be directed into the temporary drainage network as the Project is progressively constructed.

There is also the potential for increased sediment and pollutants washing downstream. However, with appropriate mitigation measures in place, construction is not anticipated to have any substantial impact on existing flooding and water quality downstream of the site.

POST-CONSTRUCTION

After construction, the new drainage system will be less likely to flood compared to the existing road corridor. Additionally, the new system has the capacity to accommodate increased rainfall expected due to climate change. Potential pollutants from normal road usage would build up on the road over time, and may be washed into downstream environments when it rains. The Project has been designed to reduce pollutant runoff, and improve downstream water quality compared with the existing road corridor.



WHAT WE WOULD DO

Key steps we are taking to manage impacts on traffic and transport during construction include:



The Project's stormwater infrastructure will be designed to account for projected climate change, consistent with Transport Canberra and City Services (TCCS) standards.



A water quality monitoring program will be developed to establish baseline levels of water pollutants prior to construction and to identify impacts associated with the construction phase of the Project.



Detailed information will be developed describing the function of porous paving and how it is to be maintained in accordance with manufacturer's instructions to maintain the Project's positive impacts on downstream hydrology.



HAVE YOUR SAY

Visit nca.gov.au and click the home page link to view the Works Approval from 30 October 2021. You can return from 20 November to 10 December 2021 to have your say via the online submission form.

You will only need to lodge your submission once and any replicated responses received through different methods will only be counted as one submission. Please see the NCA website for full details.

For more information, please visit nca.gov.au