

Brown Hill Keswick Creek Stormwater Project Update

Marion Road Traffic Impacts

Background

The Brown Hill and Keswick Creeks Stormwater Board is a Regional Subsidiary of the Cities of Adelaide, Burnside, Mitcham, Unley and West Torrens. The Board is delivering the Brown Hill Keswick Creek Stormwater Project, a comprehensive program of infrastructure works designed to protect the community from the effects of flooding from 4 major watercourses – Brown Hill, Keswick, Park Lands and Glen Osmond Creeks.

Stage 2 – Lower Brown Hill Creek Capacity Upgrades

Stage 2 of the project involves the upgrade of Lower Brown Hill Creek, a 3.3-kilometre-long section of channel beginning at the south-eastern corner of the Adelaide Airport and ending at Anzac Highway. The channel is primarily situated within a drainage corridor owned by City of West Torrens and comprises sections of earthen and concrete lining. Upgrades to Lower Brown Hill Creek will involve doubling the capacity of this channel so that it is able to contain the flows from a 1% Annual Exceedance Probability (also referred to as a 1-in-100-year) major flood event and facilitate other high priority works being undertaken further upstream, including future stages of the Board's project and the Torrens to Darlington Project.

The Board is constructing a 6.8-metre-wide rectangular open concrete channel within the drainage corridor. This type of channel minimises the width required to achieve the flow capacity and ensures that in most instances the new concrete channel will not impact private property. New culverts are also required to be installed where Lower Brown Hill Creek crosses roads.

Marion Road Crossing Upgrade

Works are currently underway to upgrade the section of channel from Harvey Avenue to Birdwood Terrace, which includes the Marion Road Crossing. This will require the existing bridge structure to be removed and replaced in multiple stages so that:




1. The risks associated with working on a 'live' watercourse can be appropriately managed.
2. Reduced traffic flows can still be accommodated along Marion Road.
3. Service relocation works can be coordinated with the crossing upgrades.

The Board has been working closely with the Department for Infrastructure and Transport and service authorities to ensure the construction staging and scheduling reduces the impacts on traffic as much as possible. A critical date for construction is the **implementation of a partial road closure from Monday 9 December 2024 onwards** (the last week of School Term 4), as this will ensure the most disruptive works can be completed over the December 2024 and January 2025 school holiday period while traffic volumes are lower than usual. Further detail on the key dates and staging of the Marion Road Crossing Upgrade are shown overleaf.



Contact:

For more information on the Brown Hill Keswick Creek Stormwater Project, please visit:

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These works are funded by the Constituent Councils and the Stormwater Management Authority with the support of funding from the Australian Government provided under the Preparing Australian Communities Program.

Stage 1: Existing Bridge Demolition and New Culverts on Western Side of Marion Road – December 2024 and January 2025

The Contractor will demolish the existing bridge structure on the western side of Marion Road from 9 December 2024 and install the new culverts by 22 January 2025. The Contractor will pour the concrete base slab for the new culverts just before Christmas, allowing the concrete to cure over the Christmas/New Year shutdown and be ready for the new culverts to be installed in early January (there will be no ‘downtime’).

Traffic Management

During Stage 1, from 9 December 2024 to 22 January 2025, Marion Road will be reduced from four lanes to two lanes of traffic. There will always be one lane of traffic in each direction and the speed limit on Marion Road will be 40km/hr.

During Stages 2-4, from 23 January 2025 to completion of the works in May 2025, Marion Road will be reduced from four lanes to three lanes of traffic. There will always be one lane of traffic in each direction, plus an additional lane that can swap direction to cater for peak hour traffic, and the speed limit on Marion Road will be 40km/hr.

The Contractor will undertake some of the Marion Road Crossing Upgrades at night and on weekends to minimise the overall duration and traffic impacts associated with the works.

Stage 2: Existing Bridge Demolition on Eastern Side of Marion Road From 23 January 2025

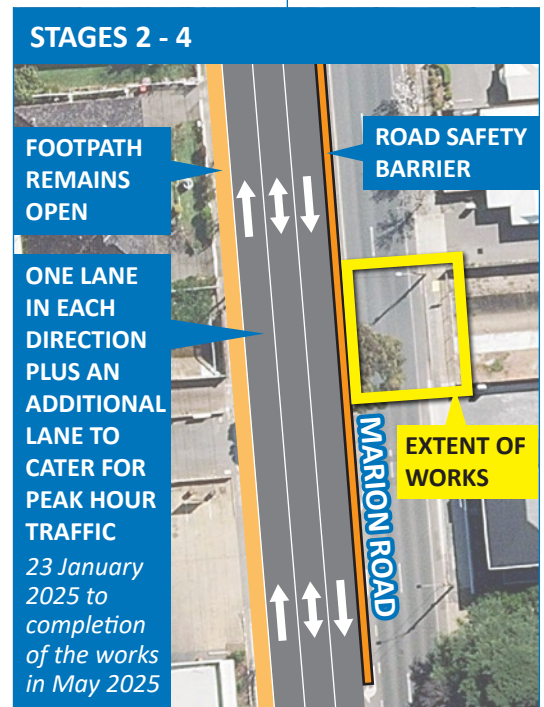
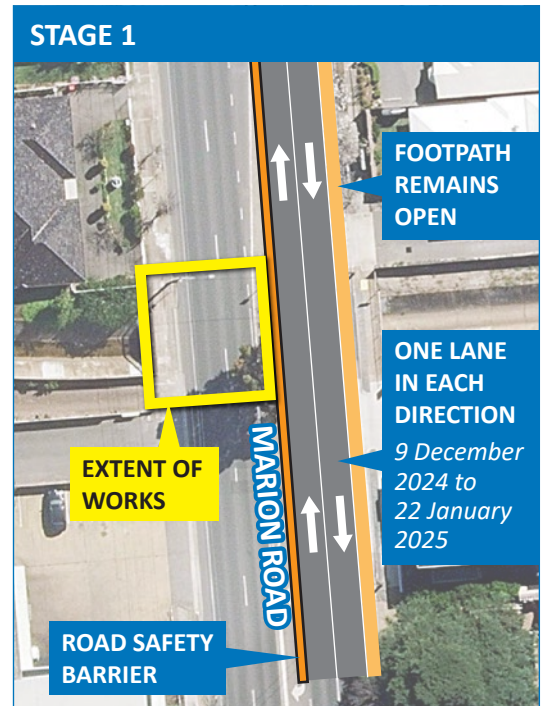
The Contractor will demolish the existing bridge structure on the eastern side of Marion Road, before handing the site over to SA Water’s Contractor to relocate their large water trunk main to avoid a clash with the new culverts.

Stage 3: Water Main Relocation by SA Water February and March 2025

It is expected that SA Water’s Contractor requires 5-6 weeks to complete their water main relocation.

Stage 4: New Culverts on Eastern Side of Marion Road April and May 2025

Once the water main has been relocated the Contractor can pour the concrete base slab for the new culverts and complete the construction of the Marion Road Crossing.



Note:
Property access maintained during all stages