# Kilmainham to Ballsbridge South City Loop Phase 1- South Circular Road /Brookfield Road Junction Upgrade

# Text Description of Design Drawing.

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## **1 Introduction.**

The South Circular Road/ Brookfield Road Junction Upgrade project aims to facilitate pedestrian and cycle access to the new National Children’s Hospital ahead of its opening. The project commences on Brookfield Road at the new National Children’s Hospital entrance, continues south along the South Circular Road and finishes just north of Rialto Bridge. The project is approximately 200 metres long and is Phase 1 of the larger Kilmainham to Ballsbridge South City Loop active travel project.

The project area is mainly residential. Bus route numbers 68, 68A, 123 and S2 pass through the project area. However, there are no bus stops within the project area. Parking is prohibited along the entire route.

The project design is presented in one drawing.

All references to “The Project” or “The Scheme” in this document describe the Kilmainham to Ballsbridge South City Loop Phase 1- South Circular Road /Brookfield Road Junction Upgrade only.

All distances and measurements quoted throughout the document are approximate.

## **2 Description of Drawing**

This is a plan drawing showing the proposed changes to Brookfield Road-South Circular Road junction. The western edge of the drawing is the entrance to the new National Children’s Hospital from Brookfield Road. The eastern edge of the drawing marks the end of the scheme, located just north of Rialto Bridge. At this location the scheme ties in with the Kilmainham to Thomas Street Cycle Scheme.

The Brookfield Road-South Circular Road Junction is a three-armed junction with Brookfield Road as its northern arm and South Circular Road as its southern and western arm.

The road width on the southern arm of the junction on South Circular Road is 9.95 metres. It includes a northbound left-turn lane of 3.0 metres, a northbound through lane of 3.0 metres and a southbound through lane of 3.95 metres. The road width on the northern arm of the junction on Brookfield Road is 9 metres. It includes a southbound through lane of 3.0 metres, a southbound right-turn lane of 3.0 metres, and a northbound through lane of 3.0 metres. The western arm on South Circular Road consists of an eastbound combined left and right turn lane of 4.2 metres in width and a westbound through lane of 3.75 metres.

The proposal will change the junction to allow for protected movement of cyclists through the junction. Dedicated cycle crossings will be provided on all arms of the junction. Raised islands of 125 millimetres height above road level will be provided at the corners of the junction to protect cyclists from turning vehicles and to provide a safe space for cyclists waiting to cross. The existing southbound cycle lane on the eastern side of the junction will be changed to a protected cycle track. This protected cycle track will be approximately 200 metres long, starting at the entrance to National Children’s Hospital and finishing just north of Rialto Bridge. A 0.2-metre wide concrete kerb will be constructed between the cycle lane and the traffic lane.

The proposal will install a new signalised pedestrian crossing across the southern arm of the junction on South Circular Road. The footpath will slope down to road level at the crossing using dropped kerbs. Red tactile paving will be installed which will guide people to the crossing. Signalised pedestrian crossings on the northern arm on Brookfield Road and on the western arm on South Circular Road will continue to be provided.

The footpath on the eastern side of the junction will be 2.3 metres wide. The footpath widths on the western side will vary between 1.6 metres and 1.9 metres.