



North Lake Road & Discovery Drive Intersection

Project Description

The City of Cockburn is prioritising your safety on the roads. Planned as a State Blackspot program, this project tackles the North Lake Road and Discovery Drive crash-prone intersection to improve both safety and traffic flow by installing new traffic signals.

The current uncontrolled intersection at North Lake Road and Discover Drive has seen 46 crashes reported between January 2020 and December 2024. These statistics highlight the need for improved traffic management at this location. Due to steep terrain on North Lake Road, the roundabout construction is not possible to lead to poor stability of heavy trucks.

By installing traffic signals, we aim to significantly reduce the risk of crashes at this intersection. This project will benefit everyone who uses these roads, including:

- Drivers: Clear and controlled traffic flow will minimise confusion and potential collisions.
- Pedestrians: Designated crossing periods with signals will ensure safer movement across the intersection.
- Cyclists: Traffic signals will provide increased visibility and predictability for cyclists navigating the intersection.

To ensure a smooth and successful project, we've divided it into stages:

- Stage 1 & 2: Planning – COMPLETE
- Stage 3: Detailed Design: Our designers will design the new traffic signal system, considering factors like road geometry, pedestrian and vehicle sightlines, and accessibility for people with disabilities. Design meetings with MRWA.
- Stage 4: Construction: Following the design phase, construction crews will begin installing the new traffic signals.

ID: 4C.12

Directorate: Infrastructure Services

Project Benefits

- New traffic signals will significantly reduce the risk of crashes at the intersection,

benefiting drivers, pedestrians, and cyclists by minimising confusion and improving predictability during crossing or navigating the junction.

- Designated crossing periods with signals will ensure safer movement across the intersection for pedestrians.

Project Assumptions

- Approval given by Main Roads WA

Strategic Outcome	Strategic Link
4. Our Places	4C. Enhance connectivity and mobility through integrated transport networks

Total Cost	External Funding	Project Start Date	Project End Date
\$3,000,000	\$1,800,000	July 2026	June 2029

Financial Year (FY) 2027 Total Cost	\$250,000
City Funding	\$250,000
External Funding	\$0
External Source	-

Financial Year (FY) 2027 Milestones

Quarter 1	Quarter 2	Quarter 3	Quarter 4
Traffic modelling and signal phasing commenced	Traffic modelling and signal phasing continues	Traffic modelling and signal phasing continues	Traffic modelling and signal phasing complete

Project Timeline

FY 2027	FY 2028	FY 2029	FY 2030
Planning	Design	Delivery	X