



Rowley Road & Lyon Road Intersection Upgrade

Project Description

The City of Cockburn is prioritising your safety on the roads. Funded by the State Blackspot program, this project tackles the Rowley Road and Lyon Road crash-prone intersection to improve both safety and traffic flow by installing new traffic signals.

The single-lane roundabout at the intersection of Rowley Road and Lyon Road has recorded 28 crashes from January 2020 to December 2024. These statistics underscore the need for enhanced traffic management in this area. Unfortunately, current land constraints prevent upgrading the existing roundabout, which serves as a major route for heavy vehicles like those on Rowley Road.

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 (FY27-29): Our traffic engineers will undertake traffic modelling for the new traffic signal system, considering factors like traffic volume, required number of lanes, signal phasing with pedestrian safety measures, and heavy vehicles.
- Stage 3: Design (FY29): Our designers will complete the detailed design the new traffic signal system, considering factors like road geometry, pedestrian and vehicle sightlines, and accessibility for people with disabilities.
- Stage 4: Construction (FY30): Following the design phase, construction crews will begin installing the new traffic signals.

ID: 4C.11

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 and City of Kwinana

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

Total Estimated Cost	External Funding	Project Start Date	Project End Date
TBD	TBD	July 2026	June 2030

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	Planning	Design	Delivery