



Lyon Road & Gibbs Road Intersection

Project Description

The City of Cockburn is prioritising your safety on the roads. Planned as a State Blackspot program, this project tackles the Lyon Road and Gibbs Road crash-prone intersection to improve both safety and traffic flow by reviewing existing traffic signals.

The current set of traffic signals at Lyon Road and Gibbs Road has seen 34 crashes reported between January 2020 and December 2024. These statistics highlight the need for improved traffic management at this location.

The severity of crashes is quite dominant with 10 medical and 1 hospital crash outcomes. With right turn related crashes being 1/3 of overall crashes, reflecting the higher volumes of traffic on Gibbs Road creating difficulty for turn movements and increased chance of crash.

The proposal aims to improve operation of existing signals by:

- Removing right turn filter turn for vehicles turning right from Gibbs Road EB into Lyon Road SB. With the introduction of a protected turn with a green arrow.
- Removing filtered left turn for vehicles turning from Lyon Road NB into Gibbs Road WB. This will allow for installation of dedicated / fully protected pedestrian crossing phase on west approach of the traffic signals.

By upgrading the existing 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 for dedicated right turn movements will minimise confusion and potential collisions.
- Pedestrians: Designated crossing periods with signals will ensure safer movement across the intersection.

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

- Stage 1 -2: Traffic Modelling and Signal Phasing (FY27): 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. Design meetings with Main Roads WA.
- Stage 3: Design (FY28): 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 Main Roads WA.

- Stage 4: Construction (FY29): Following the design phase, construction crews will begin installing the new traffic signals.

ID: 4C.14

Directorate: Infrastructure Services

Project Benefits

- Upgraded 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 at 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 Estimated 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	\$100,000
City Funding	\$100,000
External Funding	
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