

Information Sheet: Movement Network Considerations

It is essential to consider the medium and long-term movement of people and vehicles in and around the District Structure Plan area, to ensure it supports safe, efficient, and sustainable movement.

Guided by the Western Australian Planning Commission's Liveable Neighbourhood principles, we aim to create vibrant and accessible streets that cater to diverse types of transportation while fostering connectivity and enhancing the overall quality of life for the community.

Key Principles of Liveable Neighbourhoods

- **Connectivity:** Emphasis is placed on creating interconnected street networks that facilitate easy movement and access to amenities, services, and public transport options.
- **Amenity:** Streets are designed to enhance the overall quality of the built environment, promoting a sense of place, and providing spaces for social interaction, recreation, and relaxation.
- **Integration:** The integration of various modes of transportation, including walking, cycling, public transport, and vehicles, is prioritised to ensure inclusivity and accessibility for all community members.

Future Traffic Planning

The District Structure Plan area is expected to see significant growth in population and development, including residential dwellings, retail/commercial and light industrial spaces, schools, and medical facilities. This will generate substantial increase in vehicle movement. Planning for this increased traffic flow will ensure smooth and safe movement for everyone.

Detailed Traffic Studies

To make informed decisions about road upgrades and transportation planning, we will conduct detailed studies in collaboration with Main Roads Western Australia and the Department of Transport. These studies will help to determine the best layout for a new road network, including identifying which existing roads need upgrades.

Major Road Alignments

Nairn Drive, Paganoni Road and Stakehill Road will be the key routes connecting the District Structure Plan area to the surrounding road network. Some of the roads within, and surrounding the District Structure Plan area will need to be upgraded to accommodate higher traffic volumes. The Dampier Drive alignment is subject to environmental approval.

Road Hierarchy and Design

Road design will consider varying projected traffic volumes and include pathway networks for pedestrians and cyclists.

Public Transport

When planning public transport, bus routes are generally located where they connect neighbourhoods and places of interest. Bus routes through the District Structure Plan area will be designed to connect to the future Karnup (Rail) Station Precinct, located near the corner of Mandurah Road and Paganoni Road.

Dedicated bus lanes, also known as bus priority lanes, are also being considered. These lanes would give buses priority on the road, reducing travel times and encouraging more people to use public transport.

Principal Shared Paths

Principal Shared Paths (PSP's) will be provided in suitable locations within the District Structure Plan Area, and be accessible to pedestrians, cyclists, and other wheeled users, including those with disabilities. They will be designed to be safe, connected to key destinations, and integrated with their surroundings.

Rail

The State Government (METRONET) is planning to build a new rail station on the Perth - Mandurah Railway Line. The proposed Karnup (Rail) Station Precinct will be part of a 35-hectare precinct, designed to integrate housing, commercial and recreational spaces, promoting a vibrant, walkable community. Enhanced public transport connections will link key activity centres, local population catchments, and existing transport services, ensuring Karnup is well-connected both locally and regionally.

Planning for the Karnup Station (Rail) Precinct is being progressed as a separate project by the State Government, and is expected to be advertised for public comment during 2024.

For More Information

For more information on the Karnup District Structure Plan visit rockingham.wa.gov.au/kdsp

Visit cityrockport.com.au and sign up to the City's online secure portal, Rock Port to receive updates on this project direct to your inbox.