18.02 MOVEMENT NETWORKS

31/07/2018
VC148

18.02-1S Walking

09/12/2021
VC204

Objective

To facilitate an efficient and safe walking network and increase the proportion of trips made by walking.

Strategies

Plan and develop walking networks to:

- Provide pedestrian routes that are safe, direct and comfortable to use.
- Enable walking as a part of everyday life.
- Enable people to meet more of their needs locally and rely less on their cars.
- Be accessible to vehicles that use footpaths, including wheelchairs, prams and scooters.
- Accommodate emerging forms of low-emission, low-speed personal transport.

Develop principal pedestrian networks for local areas that link with the transport system.

Provide walking infrastructure in all major transport projects.

Design walking routes to be comfortable by providing shelter from the sun through canopy trees, verandahs and other structures.

Design direct, comfortable and connected walking infrastructure to and between key destinations including activity centres, public transport interchanges, employment areas, urban renewal precincts and major attractions.

Policy documents

Consider as relevant:

- *Guidelines for developing Principal Pedestrian Networks* (Department of Economic Development, Jobs, Transport and Resources, 2015)

18.02-1L
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Proposed C140wdon

Walking

Strategies

Improve pedestrian connections:

- To the Wodonga Railway Station
- To existing public open space and reserves
- From public open spaces to the High Country Rail Trail
- To the Central Business Area
- To the Wodonga Hills (Bear Hill, Federation Hill, Huon Hill and Klings Hill (within the Hunchback Hill Complex)) from urban areas
- From recreational and sporting facilities
- Any identified gaps in the Pedestrian Network Map in Clause 18.02-1L.

Improve access to:

- Existing public open spaces
- The High Country Rail Trail
- Nearby existing linear corridors for areas outside the Leneva-Baranduda growth area Precinct Structure Plan
- Baranduda Range.

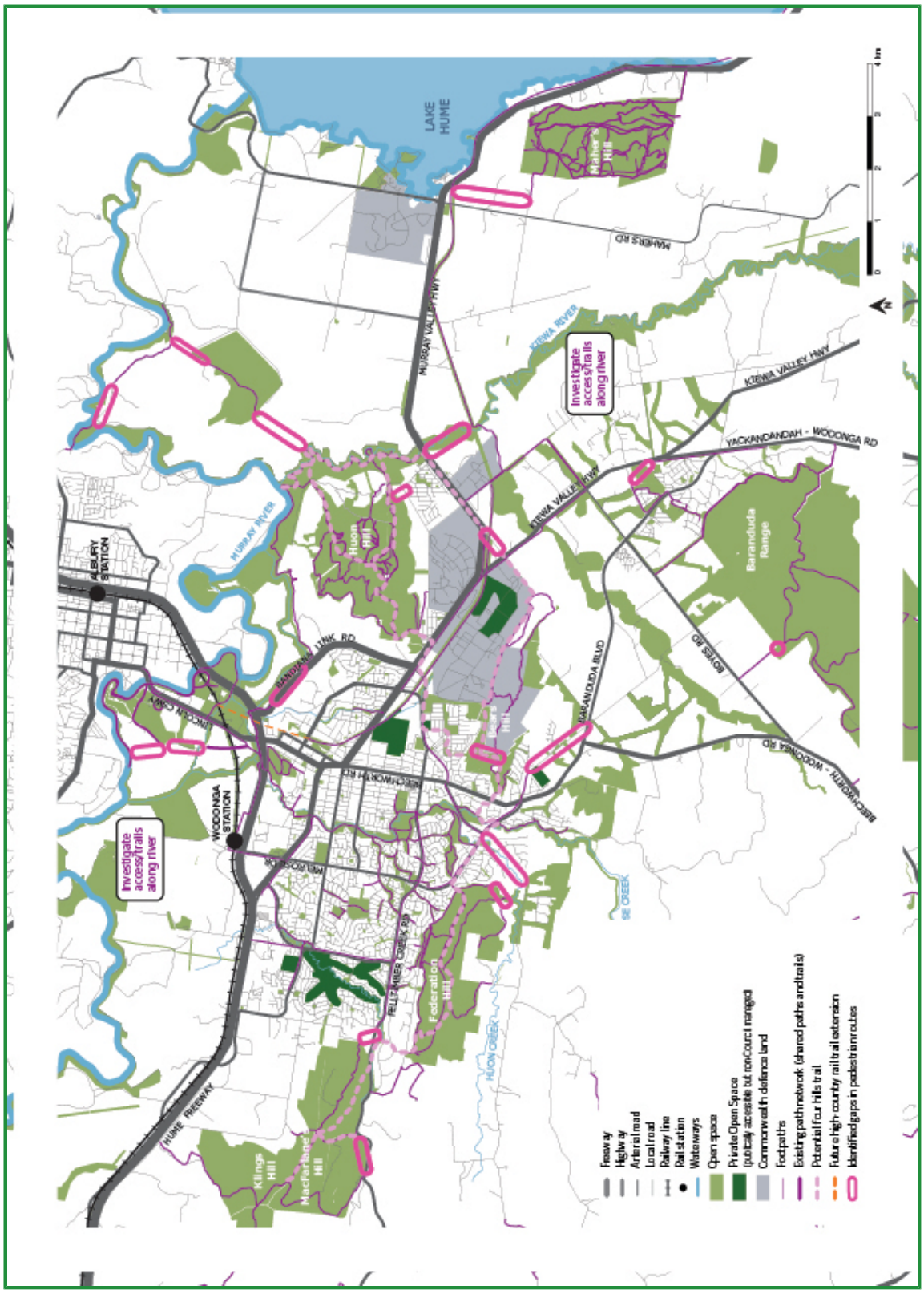
Improve pedestrian priority at intersections and road crossings.

Policy documents

Consider as relevant:

- *Wodonga Open Space Strategy (2023), including Appendices B, D & E*
- *ESD for Subdivisions in Regional Victoria (2018)*

Pedestrian Network Map



18.02-2S Cycling

09/12/2021
VC204

Objective

To facilitate an efficient and safe bicycle network and increase the proportion of trips made by cycling.

Strategies

Plan and develop cycling networks to:

- Provide routes that are safe, comfortable, low-stress and well connected.
- Enable cycling as a part of everyday life.
- Enable people to meet more of their needs locally by cycling and to rely less on their cars.
- Accommodate emerging forms of low emission, low and moderate speed personal transport.

Protect and develop the Principal Bicycle Network to provide high-quality cycling routes that are direct and connected, to and between key destinations including activity centres, public transport interchanges, employment areas, urban renewal precincts and major attractions.

Develop Strategic Cycling Corridors by:

- Integrating them with stations and major interchanges on the public transport network that serve places of state significance.
- Integrating them with the central city, national employment and innovation clusters, major activity centres and other destinations of metropolitan or state significance.
- Facilitating safer, lower stress and more direct journeys using a combination of cycleways, cycle paths and shared streets.
- Providing the most direct route practical.
- Designing transport corridors to prioritise cycling links and cyclists.

Protect Strategic Cycling Corridors from encroachment by development and incompatible interface treatments such as cross overs.

Support increased cycling by providing:

- Cycling routes and cycling infrastructure early in new developments and in in all major transport projects.
- Cycle parking and related end of trip facilities to meet demand at education, recreation, transport, shopping, commercial, public transport interchanges and community facilities, significant trip generating developments and other major attractions.
- Facilities for cyclists, particularly storage, at public transport interchanges and rail stations.
- Vegetation to shade cycling routes.

Policy documents

Consider as relevant:

- *Principal Bicycle Network* (VicRoads, 2012)
- *Strategic Cycling Corridors* (Department of Transport, 2021)
- *Victorian Cycling Strategy 2018-28* (Transport for Victoria)

18.02-2L
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Proposed C140wdon

Cycling

STRATEGIES

Improve cycling connections:

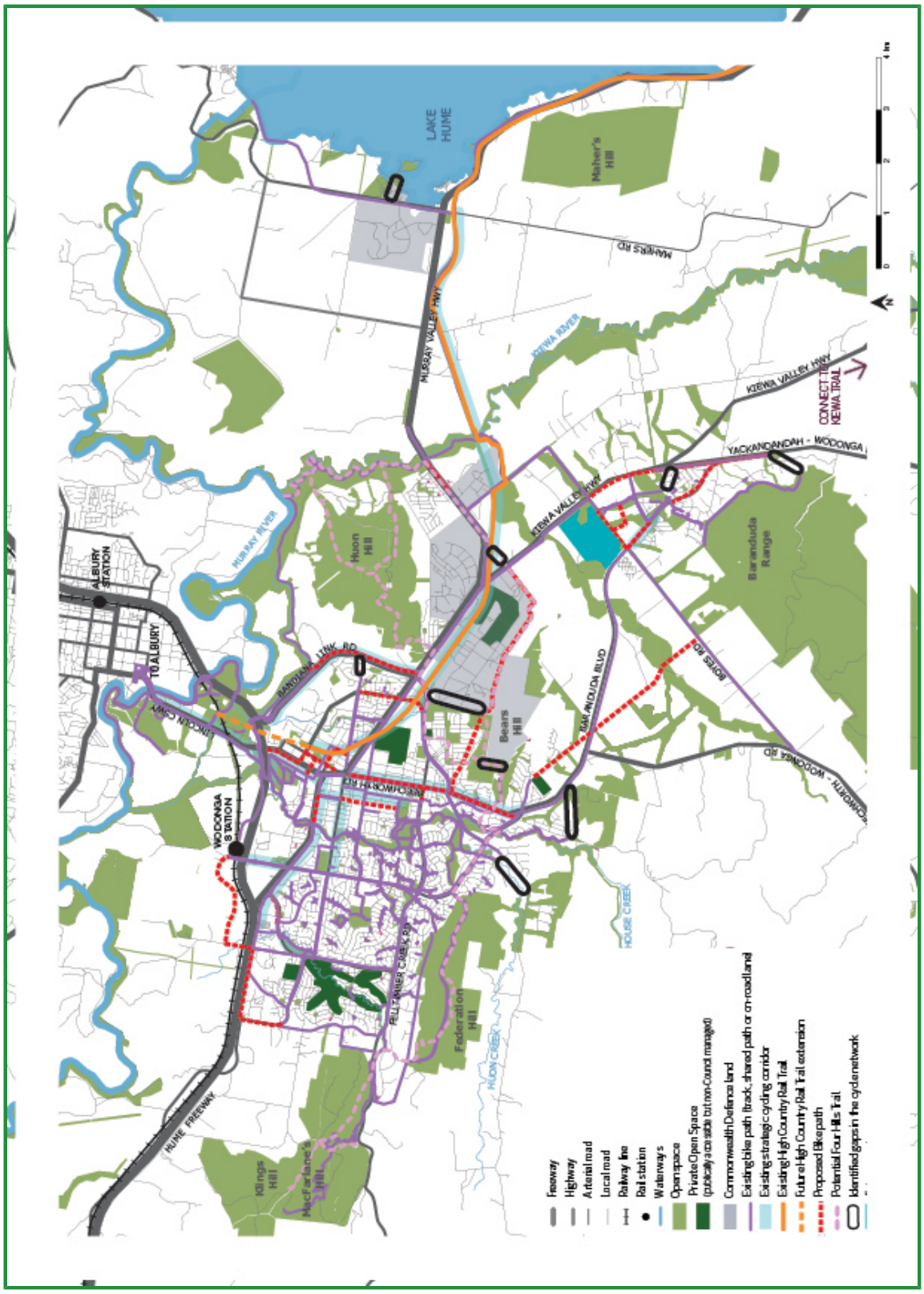
- To the Wodonga Railway Station
- To existing public open space and reserves
- From public open spaces to the High County Rail Trail
- To the Central Business Area
- To the Wodonga Hills (Bear Hill, Federation Hill, Huon Hill and Klings Hill (within the Hunchback Hill Complex)) from urban areas
- From recreational and sporting facilities
- To the Bandiana Link Cycle Path

Policy documents

Consider as relevant:

- *Wodonga Open Space Strategy (2023), including Appendices B, D & E*
- *ESD for Subdivisions in Regional Victoria (2018)*

Cycling Network Map



18.02-3S Public transport

09/12/2021
VC204

Objective

To facilitate an efficient and safe public transport network and increase the proportion of trips made by public transport.

Strategies

Plan and develop public transport to:

- Connect activity centres, job-rich areas and outer suburban areas.
- Enable people to not have to rely on cars for personal transport.
- Integrate bus and tram networks and stops and public transport interchanges in new development areas, including key urban renewal precincts and outer-suburban areas.
- Integrate with land use and development in outer suburban and growth areas.

Protect and develop the Principal Public Transport Network and Regional Rail Network to facilitate:

- High quality public transport services that support increased diversity and density of development, particularly at interchanges, activity centres and where Principal Public Transport Network routes intersect.
- Modern commuter-style public transport services that link Melbourne with the regional growth areas of Geelong, Bendigo, Ballarat, Seymour and Traralgon.
- Service improvements to other regional and rural areas.
- A metro-style rail system that provides a very high frequency of service in the Melbourne metropolitan area.
- A new high quality orbital rail (Suburban Rail Loop) through Melbourne's middle suburbs.
- A balance between the rail usage needs of public transport and freight.

Facilitate public transport infrastructure in all major transport projects.

Allocate adequate land and infrastructure to support public transport provision in activity centres, transport interchanges and major commercial, retail and community facilities.

Locate higher density and increased development on or close to the Principal Public Transport Network in a way that does not compromise the efficiency of the Principal Public Transport Network.

Support development that facilitates the delivery and operation of public transport services.

Policy documents

Consider as relevant:

- *Principal Public Transport Network* (State Government of Victoria, 2017)
- *VicTrack Rail Development Interface Guidelines* (VicTrack, 2019)
- *Public Transport Guidelines for Land Use Development* (Department of Transport, 2008)

18.02-3L Public transport

03/03/2022
C134wdon

Strategies

Integrate the planning of existing and proposed public transport routes and stops into urban structure plans.

Encourage new bus stops in key locations, including adjacent to school sites.

Encourage new public transport stops to have good pedestrian access and facilities such as shelters and bus bays at key destinations.

Ensure development near public transport stops is designed to provide passive surveillance.

Policy document

Consider as relevant:

- *Wodonga Integrated Transport Strategy* (Wodonga City Council, 2015)

18.02-4S Roads

20/03/2023
VC229

Objective

To facilitate an efficient and safe road network that integrates all movement networks and makes best use of existing infrastructure.

Strategies

Plan and develop the road network to:

- Ensure people are safe on and around roads.
- Improve people's perceptions of safety on and around roads.
- Improve road connections for all road users.
- Facilitate the use of public transport, cycling and walking.
- Integrate new and emerging technologies into road design, including the increasing connectivity and automation of vehicles.
- Accommodate the expansion of the High Productivity Freight Vehicle Network, and oversize and overmass vehicles.

Protect and develop the Principal Road Network to:

- Provide high mobility for through traffic and the efficient movement of freight by facilitating adequate movement capacity and speeds.
- Improve cross-town arterial links in outer suburbs and growth areas, including circumferential and radial movement to facilitate access to jobs and services.
- Limit access points to high-volume, high-speed roads by utilising urban design techniques such as service roads and internal connector roads.
- Improve high-capacity on-road public transport.

Develop declared freeways to:

- Link Melbourne with major regional cities, major interstate locations and other key locations important to the economy along major national and state transport corridors.
- Connect and provide access to Principal Transport Gateways and freight-generating areas.
- Improve connections to national employment and innovation clusters.
- Connect dispersed major residential areas with key destinations and lower density employment areas.
- Avoid private access, except for service centres.

Provide for grade separation at railway crossings, except with the approval of the Minister for Transport and Infrastructure.

Improve Melbourne's distinctive, established boulevards by developing a connected, contemporary network of boulevards within the urban growth boundary.

Design road space to complement land use and meet business and community needs through the provision of wider footpaths, bicycle lanes, transit lanes (for buses and commercial passenger vehicles) and freight routes, in line with the designated role of the road.

Design roads to facilitate the safe movement of people and goods while providing places for people to interact and gather in high pedestrian areas like activity centres, around schools and around community facilities.

Plan an adequate supply of car parking that is designed and located to:

- Protect the role and function of nearby roads.

- Enable the efficient movement and delivery of goods.
- Facilitate the use of public transport.
- Maintain journey times and the reliability of the on-road public transport network.
- Protect residential areas from the effects of road congestion created by on-street parking.
- Enable easy and efficient use.
- Achieve a high standard of urban design.
- Protect the amenity of the locality, including the amenity of pedestrians and other road users.
- Create a safe environment, particularly at night.

Allocate land for car parking considering:

- The existing and potential modes of access including public transport.
- The demand for off-street car parking.
- Road capacity.
- The potential for demand-management of car parking.

Consolidate car parking facilities to improve efficiency.

Design public car parks to incorporate electric charging facilities to support the use of low-emission vehicles.

Policy documents

Consider as relevant:

- *Victorian Road Safety Strategy 2021-2030* (Department of Transport, 2021)
- *Movement and Place in Victoria* (Department of Transport, February 2019)

18.02-4L Roads

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Proposed C140wdon

STRATEGIES

Plant larger canopied tree species in wider nature strips.

18.02-4L Car parking

03/03/2022
C134wdon

Strategies

Encourage consolidated car parks in the Central Business Area (CBA).

Support reduction of car parking requirements for housing within and around the CBA.

Provide safe, attractive and direct links from car parks to high pedestrian activity areas, such as High Street and the civic precinct.

Improve the amenity of laneways connecting car parks at the rear of the High Street shops with High Street.

Policy documents

Consider as relevant:

- *Wodonga Integrated Transport Strategy* (Wodonga City Council, 2015)
- *Wodonga Central Business Area Car Parking Plan* (Wodonga City Council, 2018)

18.02-5S Freight

09/12/2021
VC204

Objective

To facilitate an efficient, coordinated, safe and sustainable freight and logistics system that enhances Victoria's economic prosperity and liveability.

Strategies

Plan and develop Victoria's freight and logistics system to:

- Support the movement of freight within Victoria's freight and logistics system.
- Improve freight efficiency and capacity.
- Manage negative impacts of freight generating activities on urban amenity, the development of urban areas, and on the efficient operation of movement networks.
- Prioritise new technologies that enhance road and rail safety, optimise the metropolitan road network, better manage congestion and reduce supply chain costs.
- Accommodate High Productivity Freight Vehicles, and oversize and overmass vehicles.
- Increase the capacity of the rail network to carry larger volumes of freight.

Protect and develop the Principal Freight Network, including freight movement corridors and freight places, and Principal Transport Gateways, by:

- Facilitating the movement of high volumes of freight and freight of strategic value.
- Linking areas of production and manufacturing to national and international gateways and export markets.
- Increasing the capacity of Principal Transport Gateways and supporting their use and development as important locations for employment and economic activity.
- Designing the Principal Freight Network to adapt to commodity, market and operating changes.
- Managing encroachment from incompatible land use and development that would undermine its ability to operate.

Support the development of freight and logistics precincts in strategic locations within and adjacent to Principal Transport Gateways and along the Principal Freight Network movement corridors by:

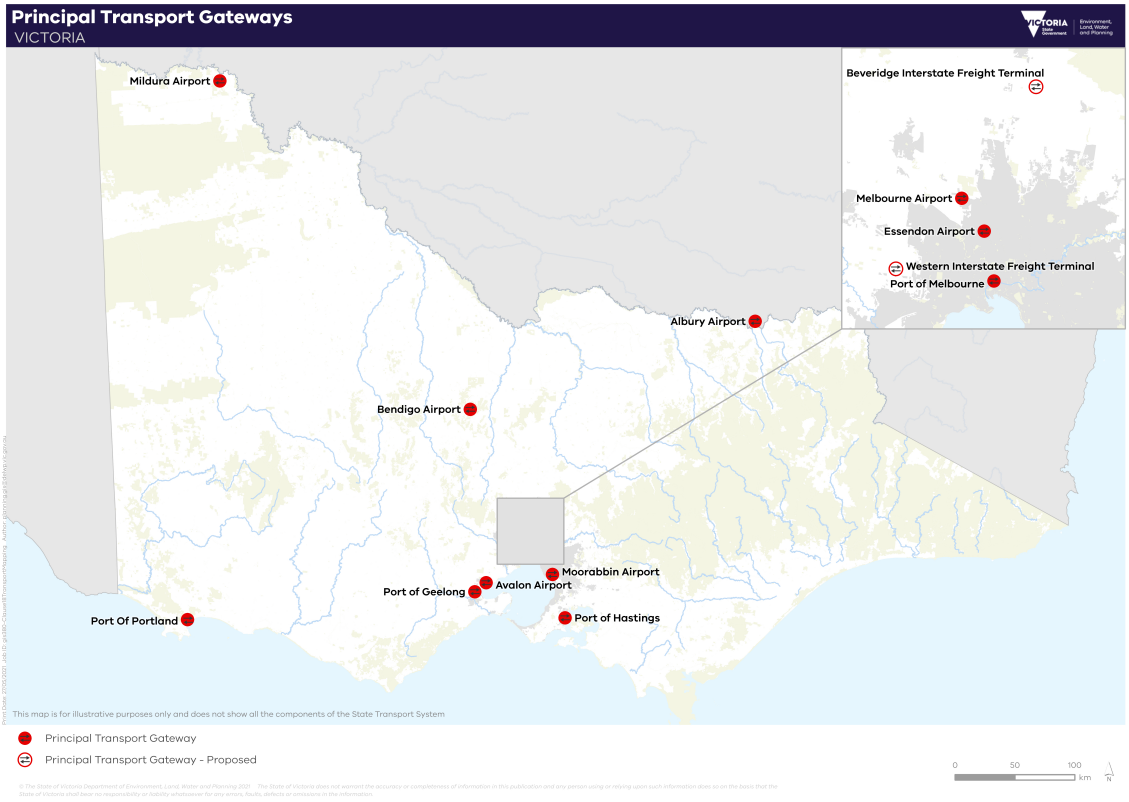
- Allocating land for complementary uses and employment-generating activities, such as distribution and warehousing.
- Reserving and appropriately zoning land for interstate freight terminals to support development that allows for the direct and immediate delivery of goods to market.
- Allocating land to allow high-volume freight customers to locate adjacent to interstate freight terminals, including the Western Interstate Freight Terminal and the Beveridge Interstate Freight Terminal.

Policy documents

Consider as relevant:

- *Principal Freight Network* (Department of Transport, 2021)
- *Principal Transport Gateways* (Department of Transport, 2021)
- *Delivering the Goods, Creating Victorian Jobs: Victorian Freight Plan* (Department of Economic Development, Jobs, Transport and Resources, July 2018)

Principal Transport Gateways



18.02-5L Freight links

03/03/2022
C134wdon

Strategies

Maintain safe and efficient access to key freight generating land uses, including Logic Wodonga and Enterprise Park industrial area.

Discourage any development that would prejudice the future duplication of the Murray Valley Highway between the Hume Freeway and Logic Boulevard.

Policy document

Consider as relevant:

- *Wodonga Integrated Transport Strategy* (Wodonga City Council, 2015)

18.02-6S Ports

09/12/2021
VC204

Planning for ports objective

To support the effective and competitive operation of Victoria's commercial trading ports at local, national and international levels, and to facilitate their ongoing sustainable operation and development.

Planning for ports strategies

Provide for the ongoing development of ports at Melbourne, Geelong, Hastings and Portland in accordance with approved Port Development Strategies.

Identify and protect key transport corridors linking ports to the broader transport network.

Manage any impacts of a commercial trading port and any related industrial development on nearby sensitive uses to minimise the impact of vibration, light spill, noise and air emissions from port activities.

Planning for port environs objective

To plan for and manage land near commercial trading ports so that development and use are compatible with port operations and provide reasonable amenity expectations.

Planning for port environs strategies

Protect commercial trading ports from encroachment of sensitive and incompatible land uses in the port environs.

Plan for and manage land in the port environs to accommodate uses that depend upon, or gain significant economic advantage from, proximity to the port's operations.

Ensure that industrially zoned land within the environs of a commercial trading port is maintained and continues to support the role of the port as a critical freight and logistics precinct.

Identify and protect key transport corridors linking ports to the broader transport network.

Ensure any new use or development within the environs of a commercial trading port does not prejudice the efficient and curfew-free operations of the port.

Ensure that the use and intensity of development does not expose people to unacceptable health or safety risks and consequences associated with an existing major hazard facility.

Ensure that any use or development within port environs:

- Is consistent with policies for the protection of the environment.
- Takes into account planning for the port.

Policy documents

Consider as relevant:

- *Statement of Planning Policy No 1 - Western Port* (1970-varied 1976)
- *2018 Port Development Strategy* (Port of Hastings Development Authority, December 2018)
- *Port of Geelong Port Development Strategy 2018* (Victorian Regional Channels Authority, 2018)
- *2050 Port Development Strategy, 2020 edition* (Port of Melbourne, 2020)
- *Port of Portland – Port Development Strategy* (Port of Portland, 2019)

18.02-7S Airports and airfields

18/05/2022
VC218

Objective

To strengthen the role of Victoria's airports and airfields within the state's economic and transport infrastructure, guide their siting and expansion, and safeguard their ongoing, safe and efficient operation.

Strategies

Protect airports and airfields from incompatible land use and development.

Prevent land use or development that poses risks to the safety or efficiency of an airport or airfield, including any of the following risks:

- Building-generated windshear and turbulence.
- Increased risk of wildlife strike.
- Pilot distraction from lighting.
- Intrusion into protected airspace.
- Interference with communication, navigation and surveillance facilities.
- Increased risk to public safety at the end of runways.

Minimise the detrimental effects of aircraft noise when planning for areas around airports and airfields.

Limit the intensification of noise-sensitive land uses, and avoid zoning or overlay changes that allow noise-sensitive land use and development, where ultimate capacity or long-range noise modelling indicates an area is within a 20 Australian Noise Exposure Forecast (ANEF) contour or higher.

Avoid zoning or overlay changes that allow noise-sensitive land uses outside the Urban Growth Boundary, and encourage measures to reduce the impact of aircraft noise in planning for areas within the Urban Growth Boundary, where ultimate capacity or long-range noise modelling indicates an area is within 'number above' contours (N Contours) representing:

- 20 or more daily events greater than 70 dB(A).
- 50 or more daily events of greater than 65 dB(A).
- 100 or more daily events greater than 60 dB(A).
- 6 events or more between the hours of 11pm to 6am greater than 60 dB(A).

Ensure land use and development at airports and airfields contributes to the aviation needs of the state and the efficient and functional operation of the airport or airfield.

Ensure land use and development at airports complements the role of the airport including as listed below:

- Melbourne Airport – major domestic and international airport with no curfew, 24-hour access, freight capability and an adjoining employment precinct.
- Avalon Airport – domestic and international airport with no curfew, 24-hour access, freight capability and an adjoining employment precinct.
- Essendon Fields Airport – a general aviation airport that is an important regional and state aviation asset with specialised functions, including executive charter, emergency aviation services, freight, logistics and an adjoining employment precinct.

- Moorabbin Airport – a general aviation airport that is an important regional and state aviation asset supporting the state's aviation industry and access to regional Victoria.
- Point Cook Airfield – an operating airport complementary to Moorabbin Airport.

Plan for areas around airports and airfields so that land use or development does not prejudice future airport or airfield operations or expansions in accordance with an approved strategy or master plan for that airport or airfield.

Preserve long-term options for a new general aviation airport south-east of metropolitan Melbourne by ensuring urban land use and development does not infringe on possible sites, buffer zones or flight paths.

Avoid the location of new airports and airfields in areas that have greater long-term value to the community for other purposes.

Ensure that in the planning of airports and airfields, land use decisions are integrated, appropriate land use buffers are in place and provision is made for associated businesses that service airports.

Plan the location of airports and airfields, nearby existing and potential development, and the land-based transport system required to serve them, as an integrated operation.

Plan the visual amenity and impact of any land use or development on the approaches to an airport or airfield to be consistent with the status of the airport or airfield.

Policy documents

Consider as relevant:

- *National Airports Safeguarding Framework* (as agreed by Commonwealth, State and Territory Ministers at the meeting of the Standing Council on Transport and Infrastructure on 18 May 2012)
- *Avalon Airport Master Plan* (Avalon Airport Australia Pty Ltd, 2015)
- *Avalon Airport Strategy* (Department of Business and Employment/Aerospace Technologies of Australia, 1993) and its associated Aircraft Noise Exposure Concepts
- *Melbourne Airport Strategy* (Government of Victoria/Federal Airports Corporation, approved 1990) and its associated *Final Environmental Impact Statement*