

# Victorian Infrastructure Plan

Technical Report

The Secretary  
Department of Premier and Cabinet  
1 Macarthur Street Melbourne, Victoria, 3002

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## Aboriginal Acknowledgement

The Victorian Government proudly acknowledges Victoria's Aboriginal community and their rich culture and pays respect to their Elders past and present.

We acknowledge Aboriginal people as Australia's first peoples and as the Traditional Owners and custodians of the land and water on which we rely. We recognise and value the ongoing contribution of Aboriginal people and communities to Victorian life and how this enriches us.

We embrace the spirit of reconciliation, working towards the equality of outcomes and ensuring an equal voice.

## Prioritising what's important

Among the many benefits of infrastructure planning and investment are preserving Victorian's lifestyle, prosperity and natural heritage.

Framing our program of activity around these outcomes helps to clarify the value of its priorities for all Victorians.

The Victorian Infrastructure Plan focuses on the outcomes and other factors that are important to Victoria's ongoing success, including support for our regional communities.

In responding to Infrastructure Victoria's 30-year Infrastructure Strategy, the Victorian Government has addressed how its priorities meet social, environmental and economic objectives. The Victorian Infrastructure Plan adds innovation to these benchmarks, because this factor is essential to optimising infrastructure use and benefit. Incorporating innovation also complements and builds on the objectives developed by Infrastructure Victoria.

This technical report provides added context to priorities detailed in the Victorian Infrastructure Plan. It shows how projects and reforms detailed in each of the nine sectors respond to four overarching objectives.

### **Economic: create a job generating and inclusive economy.**

Ways in which government investment can support higher productivity in a changing, more globalised economy. This includes promoting regional innovation, future focused human capital development and creating the networks that make Victoria a good place to do business.

### **Environment: provide a sustainable environment.**

How managing infrastructure investment and growth mitigates environmental risk, protects natural heritage and maintains liveability. This includes leading with innovative practice and/or green technologies, waste management education, production and consumption sustainability.

### **Social: thriving and resilient communities.**

A program of investment to strengthen Victoria and grow our communities into fairer and more inclusive places to live. This includes reducing disadvantage through jobs, housing and access to quality healthcare and government services to support culturally rich lifestyle choices.

### **Innovation: establish an innovative and highly adaptable Victoria.**

Investing to build our resilience and responsiveness to change while enhancing the opportunity and quality of life Victorians enjoy. This includes statewide connections to encourage creative thinking, better information access and planning for predicted or unseen change.



# Reading the technical report

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The technical report indicates where priorities meet the plan's four objectives. These assessments draw on the Infrastructure Victoria evidence base and incorporate additional departmental assessments. Evidence and business cases used to support the State Budget process have also been used.

Where a project or reform meets a given criteria, this is indicated by a dot. Where the investment links directly to an Infrastructure Victoria recommendation, this is also shown.

Initiatives are listed in identical order to the Victorian Infrastructure Plan, using numbers to correspond with sector, priority and project. For example, 12.3 indicates Transport, priority 2, project 3.





## TRANSPORT

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
1.1.1		•	•	•		•	Traffic management systems (10.6.2/13.2.1)
1.1.2		•	•	•		•	Metropolitan rolling stock (10.5.1)
1.1.3		•	•	•		•	Melbourne Airport Bus (10.9.1/11.4.1)
1.1.4	•	•	•	•	•		Cycling/corridors walking improvements (4.1.3/10.3.2) Cycling end-of-trip facilities (4.1.1) Cycling/walking data (4.1.2/10.3.1) Cycling/walking in established areas (4.2.1)
1.1.5		•	•	•			Growth area local buses (1.3.2/11.5.2) SmartBus network (1.3.3/11.5.3) Metropolitan rail capacity upgrades (10.4.4)
1.1.6		•	•	•		•	
1.1.7	•	•	•			•	Public transport accessibility (6.1.3)
1.1.8		•	•	•			
1.1.9		•	•	•		•	
1.1.10		•	•	•		•	Traffic management systems (10.6.2/13.2.1) Road space allocation (10.6.3/11.3.5)
1.1.11	•	•	•	•			Arterial road network (11.5.1) Outer metropolitan arterial roads (1.3.5/11.5.5.) Regional road maintenance (2.1.4/12.2.10/13.4.4)
1.1.12		•	•	•			Road asset management (10.6.1/11.3.1/12.2.1)

## TRANSPORT

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
1.1.13		•	•	•		•	
1.2.1		•	•	•		•	
1.2.2		•	•	•		•	Eastern Freeway - CityLink - Western Ring Road (11.5.8/13.5.4)
1.2.3	•	•	•	•			
1.2.4		•	•	•			Level crossings removal (11.3.3)
1.2.5		•	•	•			Outer metropolitan arterial roads (1.3.5/11.5.5)
1.2.6		•	•	•			North East Link (11.5.6/13.5.2)
1.2.7		•	•	•			
1.2.8		•	•	•			
1.2.9		•	•	•		•	
1.2.10		•		•		•	
1.2.11		•	•	•		•	Melbourne Airport rail link (10.9.2/11.4.2)
1.3.1	•		•	•			Regional road maintenance (2.1.4/12.2.10/13.4.4)
1.3.2	•		•	•			Regional highways (2.1.1/12.2.5/13.4.1)
1.3.3	•		•	•			Regional highways (2.1.1/12.2.5/13.4.1)



## TRANSPORT

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
13.4	•		•	•			Regional highways (2.1.1/12.2.5/13.4.1)
13.5	•		•	•		•	Regional rail upgrades (12.2.4) Long-distance rail services (12.2.9)
13.6	•		•	•		•	Regional rolling stock (12.2.3)
13.7	•		•	•		•	Regional rolling stock (12.2.3)
13.8	•		•	•		•	Torquay transport links (12.3.2) Geelong/Werribee/Wyndham rail (1.3.4/10.8.2/12.3.1)
13.9	•		•	•			Regional rail upgrades (12.2.4) Long-distance rail services (12.2.9)
13.10	•	•	•	•		•	Regional rail upgrades (12.2.4)
13.11	•		•	•			Regional rail upgrades (12.2.4)
13.12	•		•	•			
13.13	•	•	•	•			Inland Rail (13.5.1)
14.1		•	•	•		•	Traffic management systems (10.6.2/13.2.1)
14.2		•				•	Public transport resilience (19.1.3) Transport contingency planning (19.2.2)
14.3		•	•	•		•	Traffic management systems (10.6.2/13.2.1)
14.4	•	•	•	•		•	Innovative transport services (1.3.1/10.7.1/12.2.2)
14.5		•	•	•		•	Transport modelling (10.2.1/11.2.1/13.1.1)

## CULTURE, SPORT AND COMMUNITY FACILITIES

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
2.1.1	•	•	•	•		•	Major cultural/sporting infrastructure (4.3.1/5.1.1)
2.1.2	•	•	•	•		•	Major cultural/sporting infrastructure (4.3.1/5.1.1)
2.1.3	•	•	•	•			Major cultural/sporting infrastructure (4.3.1/5.1.1)
2.1.4	•	•	•	•			Major cultural/sporting infrastructure (4.3.1/5.1.1)
2.2.1		•	•	•		•	Community cultural facilities (5.1.2) Community space refurb/rationalisation (1.4.4/2.3.2/5.4.2) Community sport/recreation facilities (4.3.2) Relocatable community infrastructure (1.4.3/5.4.1/19.2.3)
2.2.2	•	•	•	•		•	Public libraries (1.4.5/5.4.3/9.4.3)
2.2.3		•	•		•		Public space utilisation (1.4.1/5.2.1)
2.2.4	•	•	•			•	Community space refurb/rationalisation (1.4.4/2.3.2/5.4.2) Community sport/recreation facilities (4.3.2)
2.2.5	•		•	•			Community sport/recreation facilities (4.3.2)
2.2.6		•	•	•			Community sport/recreation facilities (4.3.2)
2.2.7	•	•	•	•	•	•	Community space refurb/rationalisation (1.4.4/2.3.2/5.4.2) Community sport/recreation facilities (4.3.2)
2.3.1	•	•	•			•	Schools as community facilities (1.4.7/2.3.3/5.3.1/9.3.3)

## CULTURE, SPORT AND COMMUNITY FACILITIES

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
2.3.2	•	•	•	•			Community sport/recreation facilities (4.3.2) Community space refurb/rationalisation (1.4.4/2.3.2/5.4.2)
2.3.3	•		•	•		•	Community cultural facilities (5.1.2) Community space refurb/rationalisation (1.4.4/2.3.2/5.4.2) Community sport/recreation facilities (4.3.2)
2.4.1	•	•	•	•		•	
2.4.2		•	•	•			
2.4.3		•	•	•			Community space refurb/rationalisation (1.4.4/2.3.2/5.4.2)
2.4.4	•	•	•	•		•	Major cultural/sporting infrastructure (4.2.1/5.1.1)



## DIGITAL CONNECTIVITY

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
3.1.1	•	•	•	•		•	Communications infrastructure (12.1.3/19.1.2)
3.1.2	•		•	•		•	Communications infrastructure (12.1.3/19.1.2)
3.1.3	•	•	•	•		•	Education delivery through technology (2.2.2/9.2.1/12.1.4)
3.1.4	•		•	•		•	Communications infrastructure (12.1.3/19.1.2)
3.1.5	•		•	•		•	Communications infrastructure (12.1.3/19.1.2)
3.2.1	•		•	•		•	
3.2.2	•		•	•	•	•	
3.2.3		•		•		•	Driverless vehicles (6.2.2/10.7.3) Driverless freight vehicles (13.2.2)
3.2.4	•	•	•	•		•	
3.2.5	•	•	•	•		•	
3.2.6	•	•		•		•	
3.2.7	•	•		•		•	
3.3.1	•	•	•	•		•	
3.3.2	•	•	•			•	Critical infrastructure control systems (19.1.1)
3.3.3		•	•	•		•	Traffic management systems (10.6.2/13.2.1)
3.3.4	•	•	•			•	



## EDUCATION AND TRAINING

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
4.11	•	•	•	•		•	Relocatable community infrastructure (1.4.3/5.4.1/19.2.3)
4.12	•	•	•	•			
4.13	•	•	•	•			
4.14	•	•	•	•			School investment pipeline (9.3.1)
4.15	•	•	•	•			School network planning (9.1.1)
4.21	•	•	•	•		•	Schools as community facilities (1.4.7/2.3.3/5.3.1/9.3.3)
4.22	•	•	•	•			Universal design (6.1.1)
4.23	•	•	•	•		•	Community use of TAFE assets (9.4.2)
4.24	•	•	•	•		•	Schools as community facilities (1.4.7/2.3.3/5.3.1/9.3.3)
4.25	•	•	•	•			
4.31	•	•	•	•		•	Education delivery through technology (2.2.2/9.2.1/12.1.4)
4.32	•	•	•	•		•	Education delivery through technology (2.2.2/9.2.1/12.1.4)
4.33	•	•	•	•		•	Education delivery through technology (2.2.2/9.2.1/12.1.4)

## EDUCATION AND TRAINING

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
4.3.4	•	•	•	•		•	Education delivery through technology (2.2.2/9.2.1/12.1.4)
4.4.1	•	•	•	•		•	Education delivery through technology (2.2.2/9.2.1/12.1.4) Tertiary education / VET in schools (9.4.1)
4.4.2	•	•	•	•		•	
4.4.3	•	•	•	•		•	
4.4.4	•	•	•	•		•	
4.5.1	•	•	•	•			School maintenance (9.3.2)
4.5.2	•	•	•	•			
4.5.3	•	•	•	•	•		
4.5.4	•	•	•	•			School maintenance (9.3.2)
4.5.5	•	•	•	•		•	
4.5.6	•	•	•	•			

## ENERGY

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
5.1.1	•	•	•	•	•	•	
5.1.2	•	•		•	•	•	Energy efficiency of existing public buildings (18.1.2)
5.1.3	•	•	•	•	•	•	
5.1.4	•	•	•	•	•	•	
5.2.1	•	•		•	•	•	
5.2.2	•	•		•	•	•	
5.2.3	•	•	•	•	•	•	
5.2.4	•	•		•		•	Electricity network capability (18.2.2)
5.3.1	•	•		•	•	•	
5.3.2	•			•	•	•	
5.3.3	•	•		•	•	•	
5.3.4	•	•		•	•	•	
5.3.5	•	•		•	•	•	



## ENVIRONMENT

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
6.1.1	•	•	•	•	•	•	Habitat corridors (16.3.2)
6.1.2	•				•		Parks governance (16.2.1) Parks partnerships (16.2.2)
6.1.3	•	•			•	•	
6.2.1	•	•	•	•	•	•	Parks pricing/funding/expenditure (16.1.1)
6.2.2	•	•	•	•	•		Parks pricing/funding/expenditure (16.1.1)
6.2.3	•	•	•		•		Green infrastructure (1.4.6/4.2.3/16.3.1)
6.2.4	•		•	•	•		Cycling corridors/Walking improvements (4.1.3/10.3.2)
6.2.5		•	•		•		Green infrastructure (1.4.6/4.2.3/16.3.1)
6.3.1	•	•	•	•	•	•	
6.3.2	•	•			•	•	
6.3.3	•	•	•		•	•	
6.3.4	•	•			•	•	Coastal protection infrastructure (19.1.4)
6.3.5	•	•			•	•	Coastal protection infrastructure (19.1.4)
6.4.1	•	•	•	•	•	•	Waste management sites (15.2.2)
6.4.2	•	•	•	•	•		Landfill protection (15.2.1)
6.4.3	•	•	•		•	•	Waste management sites (15.2.2)
6.4.4	•	•	•	•	•		Organic waste (15.1.2)



## HEALTH AND HUMAN SERVICES

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
71.1	•	•	•	•			
71.2		•	•	•			Acute/sub-acute health facilities (3.2.2) Major hospitals (3.2.4)
71.3		•	•	•			
71.4	•	•	•	•			Public housing asset management (7.2.1)
71.5	•	•	•	•			
71.6	•	•	•				Mental health/AOD facilities (3.3.2)
72.1	•	•	•	•			
72.2	•	•	•	•			
72.3	•	•	•	•			
72.4	•	•	•	•		•	
73.1	•	•	•	•			Government service/infrastructure planning (1.5.1/2.4.1/11.1.2)
73.2	•	•	•	•			
73.3	•	•	•	•			Mental health/AOD facilities (3.3.2)

## HEALTH AND HUMAN SERVICES

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
7.3.4		•	•	•			Forensic mental health facilities (3.3.1/8.3.3) Justice/health/human services integrated planning (8.1.1) Government service/infrastructure planning (1.5.1/2.4.1/11.1.2)
7.4.1	•	•	•	•			
7.4.2	•		•	•			
7.4.3	•	•	•	•			
7.4.4	•			•			
7.4.5	•	•	•	•			Affordable housing provision (7.4.3)
7.4.6	•	•	•	•			Affordable housing provision (7.4.3)
7.4.7	•	•	•	•			Crisis accommodation and supportive housing (7.4.2) Housing rental assistance (7.1.1)
7.4.8	•	•	•	•			Crisis accommodation and supporting housing (7.4.2)
7.4.9	•	•	•	•			Crisis accommodation and supporting housing (7.4.2)
7.4.10	•	•	•	•			Public transport accessibility (6.1.3)
7.4.11	•		•	•			
7.4.12	•		•	•			Mental health/AOD facilities (3.3.2)

## HEALTH AND HUMAN SERVICES

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
75.1	•	•	•	•		•	
75.2	•	•	•	•		•	Health care ICT systems (3.1.1/12.1.5)
75.3	•	•	•	•		•	
75.4	•	•	•	•		•	



## JUSTICE AND EMERGENCY SERVICES

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
8.11	•	•	•	•			Police complexes (8.1.3)
8.12	•	•	•	•			
8.13	•	•	•	•			Government service/infrastructure planning (1.5.1/2.4.1/11.1.2)
8.14	•	•	•	•			Crisis accommodation and supportive housing (7.4.2)
8.15	•	•	•	•		•	
8.16	•	•	•	•			Police communications channel ( 2.2.1/8.2.1/ 12.1.1)
8.2.1		•	•	•			
8.2.2	•	•	•	•			Future prisons (8.3.1)
8.2.3	•		•	•			
8.2.4	•		•	•			
8.2.5	•	•	•				
8.2.6	•	•	•				Forensic mental health facilities (3.3.1/8.3.3)
8.3.1	•	•	•	•			Courts in high growth areas (8.1.2)

## JUSTICE AND EMERGENCY SERVICES

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
8.3.2	•	•	•	•			Court maintenance (8.3.2)
8.3.3	•		•	•			Courts in high growth areas (8.1.2)
8.3.4		•	•	•			Courts in high growth areas (8.1.2)
8.3.5	•	•	•				
8.3.6	•	•	•				
8.4.1	•	•	•	•		•	
8.4.2		•	•	•		•	Justice case management ICT system (8.2.3)
8.4.3		•	•	•		•	
8.4.4	•	•	•	•		•	
8.4.5	•		•	•		•	
8.4.6	•	•	•	•		•	
8.4.7	•	•	•	•		•	Justice case management ICT system (8.2.3)
8.5.1	•	•	•	•	•	•	

## JUSTICE AND EMERGENCY SERVICES

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
8.5.2	•	•	•	•			
8.5.3	•	•	•	•			Critical infrastructure contingency planning (19.2.1)
8.5.4	•	•	•	•			
8.5.5	•	•	•	•			
8.5.6	•	•	•			•	





## WATER

VIP number	Regional	Metropolitan	Social	Economic	Environment	Innovation	Link to IV recommendation
9.1.1	•		•	•	•	•	Irrigation water delivery (14.1.3)
9.1.2	•		•	•	•	•	Irrigation water delivery (14.1.3)
9.1.3	•		•	•	•	•	Irrigation water delivery (14.1.3)
9.1.4	•		•	•	•	•	
9.1.5	•			•	•		
9.1.6	•	•		•	•	•	Water governance (14.1.1) Recycled water (non-potable use) (14.2.1)
9.1.7		•		•	•	•	
9.1.8	•	•		•	•		Water trading (14.1.2) Water governance (14.1.1)
9.2.1	•	•	•	•	•	•	Stormwater harvesting (14.2.2/17.2.1) Stormwater quality (17.1.1)
9.2.2	•	•			•	•	
9.2.3		•	•		•	•	Irrigation water delivery (14.1.3)
9.3.1	•	•			•	•	Environmental water delivery (16.3.3/17.2.2) Riparian fencing (17.1.12)
9.3.2	•		•		•		Environmental water delivery (16.3.3/17.2.2)
9.3.3	•	•			•	•	



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