The Priority List

Below is the full list of projects and initiatives included on the 2020 *Infrastructure Priority List.*

Each proposal has been categorised according to its priority, location, timeframe, the type of issue it concerns and, for initiatives, the stage the proposal has reached.

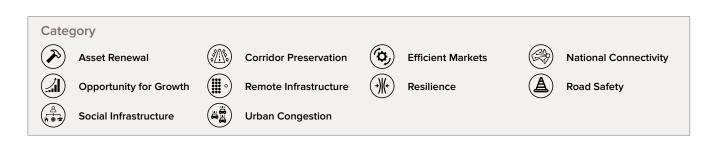
For further details on how to read the Priority List see page 10.

Category key and description

\mathbf{r}	Asset Renewal	Replacing or refurbishing an existing asset to return it to its original level of service and extend its life.
	Corridor Preservation	Protection and early acquisition of land needed for future infrastructure delivery, to save on land purchase and construction costs.
	Efficient Markets	Lowering barriers-to-entry and fostering competition to make better use of resources and minimise costs for businesses and consumers.
	National Connectivity	Improving the ease of movement from one part of Australia to another, for people, goods and services.
	Opportunity for Growth	An option that, if implemented, will unlock latent demand and enhance the total production of goods and services in the Australian economy.
•	Remote Infrastructure	Delivery of quality services and infrastructure in remote areas of Australia to improve quality of life for residents and enhance opportunities for social and economic development.
(+))(+)	Resilience	Enhancing the capacity and reliability of Australia's infrastructure networks and the Australian economy to regenerate after a particular shock and recover rapidly to the previous level of service or better.
	Road Safety	Reducing the risk and number of crashes, injuries and deaths on Australia's roads.
	Social Infrastructure	The provision of facilities, spaces, services and networks that support the quality of life and wellbeing of our communities. This includes a variety of sectors: health and aged care; education; green and blue infrastructure (assets that incorporate natural vegetation and waterways), and recreation; arts and culture; social housing; justice and emergency services.
	Urban Congestion	Addressing excess traffic movements on transport networks in Australia's cities and regions.

High Priority Proje	cts			
Project name	Problem/opportunity description	Delivery timeframe (years)	Category	Page
New South Wales				
M4 Motorway upgrade Parramatta to Lapstone	Connectivity in outer western Sydney	0-5		36
Sydney Metro: City and Southwest	Sydney rail network capacity	0-5		37
Western Sydney Airport	Sydney aviation capacity	5-10		38
Victoria				
M80 Ring Road upgrade	Melbourne M80 Western Ring Road congestion	0-5		39
North East Link	Connectivity between M80 and M3 in outer north-east Melbourne	5-10		40
Queensland				
Brisbane Metro	Brisbane inner-city public transport network capacity	0-5		41

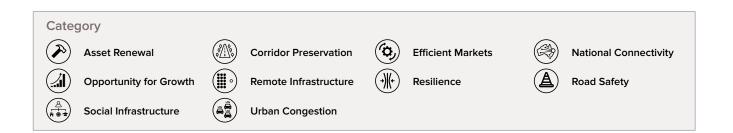
Priority Projects				
Project name	Problem/opportunity description	Delivery timeframe (years)	Category	Page
National				
Inland Rail Melbourne to Brisbane via inland NSW	Freight connectivity between Melbourne and Brisbane	5-10		44



What's New

Glossary

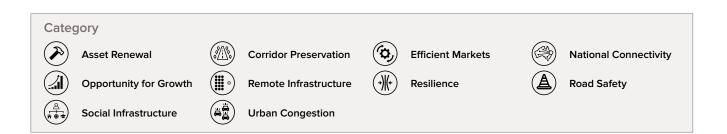
Priority Projects				
Project name	Problem/opportunity description	Delivery timeframe (years)	Category	Page
New South Wales				
Nowra Bridge	Shoalhaven River crossing capacity	0-5		45
Queensland				
Gold Coast Light Rail Stage 3A	Public transport connectivity between Broadbeach and Burleigh Heads	0-5		46
Beerburrum to Nambour rail upgrade	Queensland north coast rail congestion	0-5		47
M1 Pacific Motorway Eight Mile Plains to Daisy Hill	Motorway capacity between Brisbane and the Gold Coast	0-5		48
M1 Pacific Motorway Varsity Lakes to Tugun	Motorway capacity between Brisbane and the Gold Coast	0-5		49
Bruce Highway Deception Bay Road Interchange	Road capacity at Deception Bay	0-5		50
Bruce Highway Caboolture-Bribie Island Road to Steve Irwin Way	Highway capacity between Brisbane and the Sunshine Coast	0-5		51
Bruce Highway Maroochydore Road Interchange	Road capacity at Maroochydore on the Sunshine Coast	0-5		52
Bruce Highway Cooroy to Curra Section D: Woondum to Curra	Highway capacity between Cooroy and Curra	0-5		53



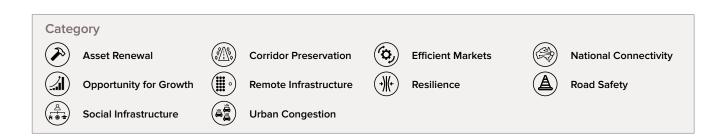
Glossary

Project name	Problem/opportunity description	Delivery timeframe (years)	Category	Page
Bruce Highway Cairns Southern Access Corridor Stage 3: Edmonton to Gordonvale	Road network capacity south of Cairns	0-5		54
Peak Downs Highway Realignment Walkerston Bypass	Freight connectivity in north-east Queensland	0-5		55
Western Australia				
Bindoon Bypass	Freight connectivity between Perth and north-west Western Australia	0-5		56
Myalup–Wellington water project	Opportunity to develop industry and agriculture in south-west Western Australia	0-5		57
South Australia				
Eyre Infrastructure Project Iron Road	Eyre Peninsula freight capacity	0-5		58
Tasmania				
University of Tasmania Hobart Science and Technology Precinct	Opportunity to stimulate economic growth and productivity in Tasmania	0-5		59
University of Tasmania Northern Transformation Program	Opportunity to stimulate economic growth and productivity in Tasmania	0-5		60

Priority Projects



High Priority Initia	tives				
Initiative name	Problem/opportunity description	Timeframe (years)	Category	Next steps	Page
National					
Regional road network safety improvements	Safety on regional roads	0-5		Proponent(s) to be identified	64
Town and city water security	Water supply and resilience for town and city populations	0-15	+))(+)	Proponent(s) to be identified	65
National water strategy	Strategic planning for water capture, use and management	0-5	+))(+)	Proponent(s) to be identified	66
Coastal inundation protection strategy	Sea-level rise and flooding impacts	10-15	(+))(+)	Proponent(s) to be identified	67
National waste and recycling management	Waste management and recycling challenges	0-5		Proponent(s) to be identified	68
National road maintenance strategy	Maintenance backlog and preventative maintenance	0-5		Proponent(s) to be identified	69
Network Optimisation Program Rail	National urban rail network congestion	0-5		Proponent(s) to be identified	70
Network Optimisation Program Roads	National urban road network congestion	0-5		Proponent(s) to be identified	71
National Freight and Supply Chain Strategy Implementation	National strategic planning for future freight initiatives	0-5		Initiative identification and options development	72
Corridor preservation for East Coast High Speed Rail	Future rail connectivity between east coast capital cities	0-5		Proponent(s) to be identified	73



Glossary

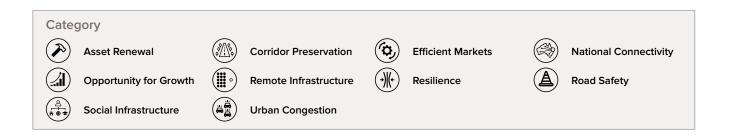
Remote housing overcrowding	National remote housing conditions	0-5	•	Proponent(s) to be identified	74
National Electricity Market Future connectivity and reliability	Connectivity of the National Electricity Market regions	5-15		Proponent(s) to be identified	75
National electric vehicle fast-charging network	Enabling infrastructure	0-5		Proponent(s) to be identified	76
New South Wales					
Regional NSW road network safety improvements	Safety on regional roads in New South Wales	0-10		Initiative identification and options development	77
Sydney Gateway Connection between WestConnex at St Peters and Sydney Airport/Port Botany	Sydney road network capacity	0-5		Business case development	78
Public transport capacity Parramatta Road and Victoria Road corridors	Congestion on Sydney's Parramatta Road and Victoria Road corridors	0-5		Initiative identification and options development	79
Sydney rail network capacity	Sydney rail network capacity	0-5		Business case assessment	80
Southern Sydney to CBD public transport enhancement	Connectivity between inner south urban growth area and Sydney CBD	5-10		Initiative identification and options development	81
Sydney Metro West Mass transit between Parramatta and Sydney CBD	Connectivity between Parramatta and Sydney CBD	5-10		Business case development	82

Category

(years)

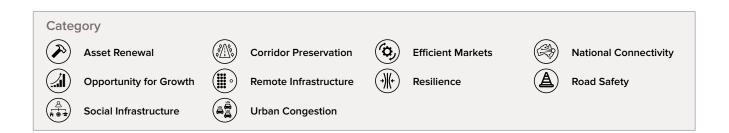
High Priority Initiatives

Problem/opportunity



High Priority Initiatives

Initiative name	Problem/opportunity description	Timeframe (years)	Category	Next steps	Page
Port Botany freight rail duplication	Sydney freight rail network capacity	0-5		Business case assessment	83
Chullora Junction upgrade	Sydney freight rail network capacity	0-5		Initiative identification and options development	84
Corridor preservation for Western Sydney Airport fuel pipeline	Future fuel connection to Western Sydney Airport	0-5		Initiative identification and options development	85
Corridor preservation for Western Sydney Freight Line and Intermodal Terminal access	Future freight rail capacity to Eastern Creek intermodal and Sydney Main West Line	0-5		Business case development	86
Corridor preservation for Outer Sydney Orbital road and rail / M9, and Castlereagh connection	Future connectivity between Western Sydney and Central Coast/Illawarra	0-5		Initiative identification and options development	87
Corridor preservation for Western Sydney Airport rail connections	Future rail connections to Western Sydney Airport	0-5		Initiative identification and options development	88
Victoria					
Eastern Freeway and CityLink connection	Connectivity between Melbourne's Eastern Freeway and CityLink	0-5		Proponent to be identified	89
Melbourne rail network capacity	Melbourne rail network capacity	5-10		Initiative identification and options development	90
Corridor preservation for Melbourne Outer Metropolitan Ring Road/E6	Future connectivity between Melbourne outer south-west and outer north	0-5		Proponent to be identified	91



92

93

94

95

96

97

98

99

Initiative identification

and options

development

Glossary

<u>%</u> Asset Renewal **Corridor Preservation** Opportunity for Growth **Remote Infrastructure** Social Infrastructure

Category

F

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High Priority Initiatives

Queensland

maintenance

Queensland National

Land Transport Network

Problem/opportunity

National Land Transport

Network upgrade

Urban Congestion

(¢) Efficient Markets (•)(+) Resilience

Road Safety

National Connectivity

23

Ipswich Motorway Upgrade Rocklea to Darra (remaining sections)Southern Brisbane–Ipswich road network capacityO-5Image: Constant of the section of	
\mathbf{O}	
Port of Brisbane dedicated freight rail connection Freight rail access to Port of Brisbane 5-10 Proponent to be identified	
Western Australia	
Regional and rural WA road network safety improvements Safety on regional and rural roads in Western Australia Initiative identification and options development	ิงท
Perth water security Water supply and resilience for Perth O-5 Initiative identification and options development	งท
Perth CBD to north corridor capacity Perth northern corridor capacity O-5 Various stages	
Mitchell and Kwinana freeways upgrade Perth road network capacity Initiative identification and options development	ึ่งท

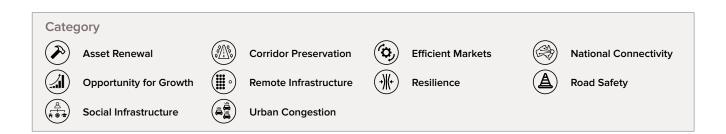
(years)

0-5

Category

Priority Initiatives

Initiative name	Problem/opportunity description	Timeframe (years)	Category	Next steps	Page
National					
Indigenous art and cultural facilities program	Opportunity for a national program of Indigenous art and cultural centres	0-5		Proponent(s) to be identified	102
Mobile telecommunications coverage in regional and remote areas	Mobile telecommunications connectivity in regional and remote areas	0-5		Proponent(s) to be identified	103
Advanced Train Management System implementation on the interstate rail network	Rail freight capacity constraint on the interstate rail network	0-5		Business case development	104
Sydney–Canberra rail connectivity and capacity	Rail connectivity between Sydney and Canberra	0-5		Initiative identification and options development	105
Connection between eastern gas markets and gas suppliers	Constrained east coast gas supply	0-5		Proponent(s) to be identified	106
National Electricity Market Near-term optimisation	Optimisation of the National Electricity Market	0-5		Proponent(s) to be identified	107
East coast deep water container port capacity	Capacity for large container ships on the east coast of Australia	10-15		Proponent(s) to be identified	108
New South Wales					
John Hunter Health and Innovation Precinct capacity	Capacity constraints and opportunity for new services	10-15		Initiative identification and options development	109
Active transport (walking and cycling) access to Sydney CBD	Inner city access to Sydney CBD	0-5		Business case development	110



111

112

113

114

115

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117

118

119

120

Initiative identification

and options

development

Business case

development

Glossary

		\smile	
A3 and A6 corridor capacity	Southern Sydney to Ryde road network capacity	0-5	Business case development
Public transport access to Parramatta CBD	Public transport access to Parramatta CBD	0-10	Initiative identification and options development
Central Station redevelopment Rail and station infrastructure	Redevelopment of rail and station infrastructure at Central Station	5-10	Initiative identification and options development
M6 Motorway Connection between the M1 Princes Motorway at Waterfall and the Sydney motorway network	Connectivity between Wollongong and Sydney	5-10	Business case development
Western Harbour Tunnel and Beaches Link	Sydney road network cross- harbour and Northern Beaches connectivity	5-10	Business case development
Newell Highway upgrade	Connectivity between Melbourne and Brisbane	0-5	Business case development
Pacific Highway (A1) Coffs Harbour bypass	Connectivity between Sydney and Brisbane	0-5	Business case development
Pacific Motorway (M1) Extension to Raymond Terrace	Connectivity between Sydney and Brisbane	0-5	Business case development

Category

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F Asset Renewal <u>%</u> **Corridor Preservation**

(¢) Efficient Markets

National Connectivity

Opportunity for Growth

Social Infrastructure

Priority Initiatives

Sydney CBD motorways

Prospect Highway capacity

optimisation

Problem/opportunity

Western Sydney road network

Inner Sydney road

network capacity

capacity

Remote Infrastructure Urban Congestion

(•)(+) Resilience

Category

(years)

0-5

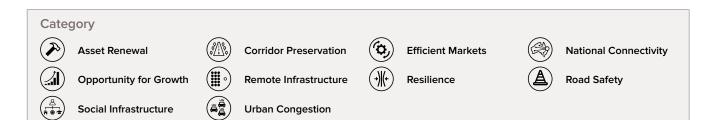
0-5

Road Safety

25

Priority Initiatives

Priority initiatives					
Initiative name	Problem/opportunity description	Timeframe (years)	Category	Next steps	Page
Western Sydney Infrastructure Plan	Access to Western Sydney and Western Sydney Airport	0-5		Various stages	121
Freight rail access to Port Kembla	Freight rail access to Port Kembla	0-5		Initiative identification and options development	122
Moorebank Intermodal Terminal road connections upgrade	Road network connectivity to Moorebank Intermodal Terminal	0-5		Initiative identification and options development	123
Great Western Highway improvements Katoomba to Lithgow	Road connectivity between Katoomba and Lithgow	0-5		Initiative identification and options development	124
Princes Highway safety and capacity Nowra, NSW to Victorian border	Road connectivity between Nowra and Victorian border	0-5		Initiative identification and options development	125
Southern Sydney Freight Line upgrade	Southern Sydney to Moorebank rail freight capacity	10-15		Business case development	126
New England Highway upgrade	Road connectivity between Sydney and Brisbane	5-10		Business case development	127
Picton Road safety and capacity	Road connectivity between Wollongong and south-west Sydney	5-10		Initiative identification and options development	128
Western Sydney Airport public transport connections	Access to Western Sydney Airport	5-10		Initiative identification and options development	129
Northern Sydney Freight Corridor Stage 2 Additional track West Ryde to Rhodes and Thornleigh to Hornsby	Sydney freight rail network capacity	5-10		Business case development	130



131

132

133

134

135

136

137

138

139

140

Glossary

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Efficient Markets

Resilience

Category

Initiative identification

and options

development

Business case

development

Business case

development

Business case

development

and options

development

Various stages

and options

development

and options

and options

and options

development

development

development

Initiative identification

Initiative identification

Initiative identification

Initiative identification

Initiative identification

(years)

10-15

0-5

0-5

0-5

0-5

0-5

5-10

5.10

5 - 10

National Connectivity **Road Safety**

Social Infrastructure

Asset Renewal

Priority Initiatives

Newcastle-Sydney and

Sydney cruise terminal

South Creek integrated

land use and water cycle

Hawkesbury-Nepean Valley

flood management

Cycling access to

Melbourne CBD

Melbourne level

crossings removal

Frankston public

transport connectivity

Melbourne Airport to the

Melton Rail Line upgrade

Public transport access to

Fishermans Bend

Category

CBD public transport capacity

upgrades

capacity

management

Victoria

Wollongong-Sydney rail line

Problem/opportunity

Connectivity between Newcastle,

Berthing capacity for cruise ships

Opportunity for integrated water

cycle management benefits

Hawkesbury-Nepean Valley

Cycling access to Melbourne CBD

Melbourne road network

Public transport connectivity

Public transport access to

Melbourne rail network capacity

Fishermans Bend growth area

Melbourne Airport

Connectivity between

and Melbourne CBD

congestion

to Frankston

Flood mitigation in

in Sydney

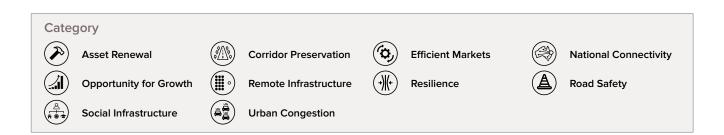
Wollongong and Sydney CBD

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Urban Congestion

Corridor Preservation Remote Infrastructure

Priority Initiatives					
Initiative name	Problem/opportunity description	Timeframe (years)	Category	Next steps	Page
Cranbourne Line capacity	Melbourne rail network capacity	5-10		Initiative identification and options development	141
Hurstbridge Line capacity	Melbourne rail network capacity	5-10		Business case development	142
Melbourne outer northern suburbs to CBD capacity upgrade	Melbourne outer northern suburbs access to CBD	10-15		Proponent(s) to be identified	143
Melbourne Airport third runway	Melbourne aviation capacity	0-5		Business case development	144
Melbourne container terminal capacity and land transport access	Melbourne container terminal capacity	0-15		Initiative identification and options development	145
Melbourne–Geelong rail capacity enhancement	Rail connectivity between Melbourne and Geelong	10-15		Initiative identification and options development	146
Queensland					
Brisbane to Gold Coast transport corridor upgrades	Brisbane to Gold Coast transport capacity	0-5		Various stages	147
Gold Coast Rail Line capacity Kuraby to Beenleigh	Brisbane to Gold Coast rail network capacity	0-5		Initiative identification and options development	148
Centenary Motorway capacity	Southern Brisbane to CBD road network capacity	0-5		Initiative identification and options development	149
Cunningham Highway Yamanto Interchange to Ebenezer Creek	Cunningham Highway–Yamanto to Ebenezer/Amberley congestion	0-5		Business case development	150



Category | Next steps

Glossary

Initiative name	description	(years)	Category	Next steps	Page
Warrego Highway east corridor improvements	Road connectivity between Brisbane and Toowoomba	0-5		Initiative identification and options development	151
Bruce Highway upgrade	Queensland coastal cities connectivity	0-10		Various stages	152
Mount Isa–Townsville rail corridor upgrade	Mount Isa to Townsville rail capacity	5-10		Business case development	153
Port of Gladstone land and sea access upgrade	Land and sea access to Port of Gladstone	5-10		Initiative identification and options development	154
Queensland inland road network upgrade	Improvements for national, state and local roads in inland Queensland	5-10		Proponent to be identified	155
Lower Fitzroy River water infrastructure development	Opportunity to develop industry and agriculture in Fitzroy region	0-5		Business case assessment completed in July 2018	156
Corridor preservation for Salisbury to Beaudesert rail connection	Future urban rail connection between Salisbury and Beaudesert	0-5		Business case development	157
Western Australia					
Armadale Road bridge	Perth road network capacity	0-5		Initiative identification and options development	158
Swan River crossing capacity	Perth road network capacity	0-5		Initiative identification and options development	159
Perth rail network capacity	Perth rail network capacity	0-5		Various stages	160
Category	Corridor Preservation	(**)			
Asset Renewal Opportunity for Growth	Resilier	t Markets nce	National Connec	tivity	

(years)

Social Infrastructure

Priority Initiatives

Problem/opportunity

Urban Congestion

Road Safety

29

Priority Initiatives

Priority initiatives					
Initiative name	Problem/opportunity description	Timeframe (years)	Category	Next steps	Page
Transport connectivity between Morley and Ellenbrook	Perth transport network capacity	10-15		Business case assessment	161
Canning Bridge crossing capacity and interchange	Perth transport network capacity	10-15		Proponent(s) to be identified	162
Great Northern Highway improvements Broome to Kununurra	Road connectivity between Broome and Kununurra	0-5		Initiative identification and options development	163
Wheatbelt Secondary Freight Network improvements	Western Australia freight network capacity	0-5		Initiative identification and options development	164
Bunbury Outer Ring Road	Western Australia regional freight network capacity	5-10		Business case development	165
Perth Airport new runway	Perth Airport capacity	5-10		Initiative identification and options development	166
South Coast Highway improvements Albany to Esperance	Road connectivity between Albany and Esperance	5-10		Initiative identification and options development	167
Perth container terminal capacity and land transport access	Perth container terminal capacity	10-15		Initiative identification and options development	168
Perth south-east corridor capacity improvements	Perth road network capacity	0-15		Initiative identification and options development	169
Land transport access between Karratha and Tom Price	Road connectivity between Karratha and Tom Price	0-5		Initiative identification and options development	170



Glossary

South West Interconnected System transformation	Provision of affordable and reliable electricity services	0-5		Initiative identification and options development	171
Liquefied natural gas research facility	LNG capability and innovation	0-5		Initiative identification and options development	172
Port Hedland port capacity	Opportunity for increased cargo imports and exports	5-10		Initiative identification and options development	173
Road access improvements for remote WA communities	Constrained road access to remote Western Australia communities	0-5	•	Initiative identification and options development	174
South Australia					
Adelaide North–South Corridor upgrade (remaining sections)	Adelaide north–south urban road network capacity	0-5		Business case development	175
AdeLINK tram network Adelaide tram network expansion	Adelaide public transport capacity	5-10		Business case development	176
Spencer Gulf crossing capacity	Road connectivity in Port Augusta	0-5		Initiative identification and options development	177
Strzelecki Track upgrade and mobile coverage	Access to Cooper Basin (South Australia)	0-5		Business case development	178
South Australian regional bulk port development	South Australia bulk port capacity	5-10		Business case development	179
Sturt Highway High Productivity Vehicle capacity enhancement, including Truro bypass	South Australia road freight network capacity	5-10		Initiative identification and options development	180
Category	Corridor Preservation	(C) Efficien	it Markets	(National Connect	ivity
Opportunity for Growth		Resilier		Road Safety	,

Category

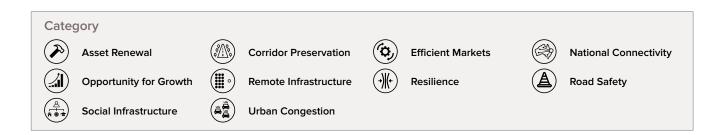
(years)

Problem/opportunity

Urban Congestion

Social Infrastructure

Priority Initiatives					
Initiative name	Problem/opportunity description	Timeframe (years)	Category	Next steps	Page
Gawler Craton rail access	Freight rail connection to Gawler Craton mineral province	10-15		Initiative identification and options development	181
Tasmania					
Derwent River crossing capacity	Tasmania Derwent River crossing capacity	5-10		Business case development	182
Burnie to Hobart freight corridor improvement	Freight network planning	5-10		Business case development	183
Tasmanian sewerage infrastructure upgrades	Tasmanian waste water treatment environmental compliance	0-5		Initiative identification and options development	184
Tasmanian irrigation schemes Tranche 3	Opportunity to develop industry and agriculture in Tasmania	5-10		Business case development	185
Australian Capital Territory					
Canberra public transport improvements	Canberra public transport capacity	5-10		Initiative identification and options development	186



Glossary

Initiative name	Problem/opportunity description	Timeframe (years)	Category	Next steps	Page
Northern Territory					
Enabling infrastructure and essential services for remote NT communities Wadeye, Tiwi Islands, Jabiru	Infrastructure services for remote Northern Territory communities	0-5	•	Business case development	187
Tanami Road upgrade	Constrained access to the Tanami region	0-5	•	Business case development	188
Darwin region water supply infrastructure upgrades	Darwin water supply security	5-10	(+))(+)	Initiative identification and options development	189

Category

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Þ Asset Renewal

Priority Initiatives

Opportunity for Growth

Social Infrastructure

Urban Congestion

Corridor Preservation

Remote Infrastructure

(°¢) Efficient Markets ()Resilience

National Connectivity Road Safety



33