



THE SENATE
SENATE SELECT COMMITTEE ON ELECTRIC VEHICLES

Public Hearing – Canberra, 18 October 2018
Questions Taken on Notice – Infrastructure Australia

1. HANSARD, Page 4

Mr Colacino: I think the best way that I can answer that question is to say that our governing legislation, which is the Infrastructure Australia Act, is a sound basis for any requirement for Infrastructure Australia to approach things in a particular way. We're equally guided by the ATAP guidelines for assessing transport projects.

Senator PATRICK: The ATAP guidelines?

Mr Colacino: The Australian Transport Assessment Policy, I believe, is its name. However, I'll confirm that for you.

Answer: ATAP refers to Australian Transport Assessment and Planning. The ATAP guidelines outline a comprehensive framework for planning, assessing and developing transport systems and related initiatives.

2. HANSARD, Page 5

Senator PATRICK: Could you on notice provide the committee with all of the road projects that involve distance? I'm not talking about, perhaps, the Sydney roads that you're funding, because of that home charging arrangement. Just go back and look at projects like the Iron Road and the Bruce Highway and advise the committee of any of those projects that involved, or that had as part of the submission, reference to electric vehicles. I don't want the full proposal, but just what they may have said in relation to electric vehicles. That would be helpful.

Mr Colacino: Perhaps an informative way for us to take that on notice is to look at the projects included on the recent Infrastructure Priority List, as published, and try to identify projects on the list that included electric vehicle charging infrastructure, in order to provide a useful frame of reference.

Senator PATRICK: Yes, to manage the scope?

Mr Colacino: Yes.

Senator PATRICK: I'm very happy with that. I would be grateful if you could provide that.

Mr Colacino: We'd be happy to take that on notice.

Senator PATRICK: Thank you.

Answer: Below is a list of the High Priority and Priority Projects listed on the 2018 Infrastructure Priority List, and identifies whether they contain references to Electric Vehicle charging infrastructure. A full Infrastructure Priority List (as at September 2018) is included at Attachment A.

Brisbane Metro (QLD)

The Business Case references electric vehicles, driverless vehicles and ride sharing, in relation to the impact emerging transport technologies will have on people's travel habits and preferences.

There is no reference to charging infrastructure.

Hobart Science and Technology Precinct (TAS)

The Business Case for the Hobart Science and Technology Precinct includes charging infrastructure for electric vehicles.

Attachment A: Infrastructure Priority List September 2018



**Infrastructure
Australia**

Infrastructure Priority List



High Priority Projects

High Priority Projects are potential infrastructure solutions for which a full business case has been completed and been positively assessed by the Infrastructure Australia Board. A High Priority Project addresses a major problem or opportunity of national significance.

Proposed project	Location	Problem description	Proposed delivery timescale	Problem category
M80 Ring Road upgrade	Victoria	Melbourne M80 Western Ring Road congestion	Near term 0-5 years	Urban Congestion
M4 Motorway upgrade (Parramatta to Lapstone)	New South Wales	Connectivity in outer western Sydney	Near term 0-5 years	Urban Congestion
WestConnex	New South Wales	Sydney inner west road congestion	Near term 0-5 years	Urban Congestion
Brisbane Metro	Queensland	Brisbane inner city public transport network capacity	Near term 0-5 years	Urban Congestion
Monash Freeway Upgrade Stage 2	Victoria	Melbourne south east and outer south east congestion	Near term 0-5 years	Urban Congestion
Sydney Metro: City and Southwest	New South Wales	Sydney rail network capacity	Medium term 5-10 years	Urban Congestion
North East Link	Victoria	Connectivity between M80 and M3 in north-	Medium	Urban

Proposed project	Location	Problem description	Proposed delivery timescale	Problem category
		east Melbourne	term 5-10 years	Congestion
Western Sydney Airport	New South Wales	Sydney aviation capacity	Medium term 5-10 years	National Connectivity

Priority Projects

Priority Projects are potential infrastructure solutions for which a full business case has been completed and been positively assessed by the Infrastructure Australia Board. A Priority Project addresses a nationally-significant problem or opportunity.

Proposed project	Location	Problem description	Proposed delivery timescale	Problem category
Adelaide's North-South Corridor: Regency Road to Pym Street	South Australia	Adelaide north-south urban road network capacity	Near term 0-5 years	Urban Congestion
Ballarat Line Upgrade	Victoria	Improving capacity and reliability of public transport between Melbourne's outer west and the CBD	Near term 0-5 years	Urban Congestion
Beerburrum to Nambour Rail Upgrade	Queensland	Queensland north coast rail congestion.	Near term 0-5 years	National Connectivity
The Northern Road upgrade	New South Wales	Access to south-west Sydney growth area and construction access to Western Sydney Airport.	Near term 0-5 years	National Connectivity
Inland Rail (Melbourne to Brisbane via inland NSW)	National	Freight connectivity Melbourne–Brisbane.	Long term 10-15 years	National Connectivity
Eyre Infrastructure Project (Iron	South	Eyre Peninsula freight capacity.	Near term	Opportunity

Proposed project	Location	Problem description	Proposed delivery timescale	Problem category
Road)	Australia		0-5 years	for Growth
Hobart Science and Technology Precinct	Tasmania	Opportunity to stimulate economic growth and productivity in Tasmania.	Near term 0-5 years	Opportunity for Growth
Myalup-Wellington Water Project	Western Australia	Opportunity to develop industry and agriculture in south-west Western Australia.	Near term 0-5 years	Opportunity for Growth
Gawler Rail Line Electrification and Modernisation Project	South Australia	Adelaide outer north east suburbs access to CBD	Near term 0-5 years	Opportunity for Growth

High Priority Initiatives

High Priority Initiatives are potential infrastructure solutions for which a business case has not yet been completed. A High Priority Initiative seeks to address a major problem or opportunity of national significance.

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
Perth CBD – north corridor capacity	Western Australia	Perth northern corridor capacity	Near term 0-5 years	Urban Congestion
Sydney Gateway	New South Wales	Connection between WestConnex at St Peters and Sydney Airport/Port Botany	Near term 0-5 years	Urban Congestion
Mitchell and Kwinana Freeways – widening and smart freeways technology	Western Australia	Perth road network capacity	Near term 0-5 years	Urban Congestion
Ipswich Motorway Upgrade Rocklea to Darra (remaining sections)	Queensland	Southern Brisbane–Ipswich road network capacity.	Near term 0-5 years	Urban Congestion
Cross River Rail: A rail solution to support an integrated passenger transport network in South East Queensland	Queensland	Brisbane CBD public transport capacity	Near term 0-5 years	Urban Congestion

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
Sydney rail network capacity	New South Wales	Sydney rail network capacity	Near term 0-5 years	Urban Congestion
Improve the connection between Eastern Freeway and CityLink	Victoria	Connectivity between Melbourne's Eastern Freeway and CityLink	Near term 0-5 years	Urban Congestion
Sydney Metro West (Mass transit between Parramatta and Sydney CBD)	New South Wales	Connectivity between Parramatta and Sydney CBD	Medium term 5-10 years	Urban Congestion
Southern Sydney to CBD public transport enhancement	New South Wales	Connection between inner south urban growth area and Sydney CBD	Medium term 5-10 years	Urban Congestion
Melbourne rail network capacity	Victoria	Melbourne rail network capacity	Medium term 5-10 years	Urban Congestion
National Freight and Supply Chain Strategy	National	National strategic planning for future freight initiatives	Near term 0-5 years	Urban Congestion
Network Optimisation Program – Rail	National	Increasing rates of urban congestion across multiple corridors in Australian cities.	Near term 0-5 years	Urban Congestion

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
Network Optimisation Program – Roads	National	National urban road network congestion.	Near term 0-5 years	Urban Congestion
Preserve corridor for Outer Sydney Orbital road and rail / M9, and Castlereagh Connection	New South Wales	Future connectivity between Western Sydney and Central Coast/Illawarra	Near term 0-5 years	Corridor Preservation
Preserve corridor for Western Sydney Airport fuel pipeline	New South Wales	Future fuel connection to Western Sydney Airport 5	Near term 0-5 years	Corridor Preservation
Preserve corridor for Western Sydney Freight Line and Intermodal Terminal access	New South Wales	Future freight rail capacity to Eastern Creek Intermodal and Sydney Main West Line	Near term 0-5 years	Corridor Preservation
Preserve corridor for Western Sydney Airport rail connection	New South Wales	Future rail connection to Western Sydney Airport	Near term 0-5 years	Corridor Preservation
Public transport capacity (Parramatta Road and Victoria Road corridors)	New South Wales	Sydney corridor congestion: Northern Beaches, Parramatta Road, Victoria Road	Near term 0-5 years	Corridor Preservation
Preserve corridor for Melbourne Outer Metropolitan Ring Road / E6	Victoria	Future connectivity between Melbourne outer south west and outer north	Near term 0-5 years	Corridor Preservation
Preserve corridor for East Coast High	National	Future connectivity between east coast capital	Near term	Corridor

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
Speed Rail		cities	0-5 years	Preservation
Chullora Junction upgrade	New South Wales	Sydney freight rail network capacity	Near term 0-5 years	Opportunity for Growth
Port Botany freight rail duplication	New South Wales	Sydney Port Botany rail freight capacity	Near term 0-5 years	Opportunity for Growth
Port of Brisbane dedicated freight rail connection	Queensland	Freight rail access to Port of Brisbane.	Medium term 5-10 years	Opportunity for Growth

Priority Initiatives

Priority Initiatives are potential infrastructure solutions for which a business case has not yet been completed. A Priority Initiative seeks to address a problem or opportunity of national significance.

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
M1 Pacific Motorway (Eight Mile Plains to Daisy Hill)	Queensland	Brisbane-Gold Coast road network capacity	Near term 0-5 years	Urban Congestion
Brisbane to Gold Coast transport corridor upgrades	Queensland	Brisbane to Gold Coast transport capacity	Near term 0-5 years	Urban Congestion
Armadale Road bridge	Western Australia	Perth road network capacity	Near term 0-5 years	Urban Congestion
Gold Coast Rail Line capacity improvement (Kuraby to Beenleigh)	Queensland	Brisbane-Gold Coast rail capacity	Near term 0-5 years	Urban Congestion
Perth rail network capacity	Western Australia	Perth rail network capacity	Near term 0-5 years	Urban Congestion
Melbourne level crossings removal	Victoria	Melbourne urban road network congestion	Near term 0-5 years	Urban Congestion

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
Active transport (walking and cycling) access to Sydney CBD	New South Wales	Inner city access to Sydney CBD	Near term 0-5 years	Urban Congestion
Adelaide North–South Corridor upgrade (remaining sections)	South Australia	Adelaide north-south urban road network capacity	Near term 0-5 years	Urban Congestion
F6 Extension	New South Wales	Connectivity between Wollongong and Sydney CBD	Medium term 5-10 years	Urban Congestion
Public transport access to Fishermans Bend	Victoria	Connection between Fishermans Bend growth area and Melbourne CBD	Medium term 5-10 years	Urban Congestion
Canberra CBD to north corridor	Australian Capital Territory	Canberra CBD to north transport corridor congestion	Medium term 5-10 years	Urban Congestion
Public transport access to Parramatta CBD	New South Wales	Public transport access to Parramatta CBD	Medium term 5-10 years	Urban Congestion
AdeLINK tram network	South Australia	Adelaide public transport capacity	Medium term 5-10	Urban Congestion

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
			years	
Canberra public transport improvements	Australian Capital Territory	Canberra public transport capacity	Medium term 5-10 years	Urban Congestion
Central Station redevelopment – rail and station infrastructure	New South Wales	Connection between urban and intercity rail, buses, light rail and metro	Medium term 5-10 years	Urban Congestion
Melbourne Airport to the CBD public transport capacity	Victoria	Access to Melbourne airport	Medium term 5-10 years	Urban Congestion
Western Harbour Tunnel and Beaches Link	New South Wales	Sydney road network cross-harbour and Northern Beaches connectivity	Long term 10-15 years	Urban Congestion
Melbourne outer northern suburbs to CBD capacity upgrade	Victoria	Melbourne outer northern suburbs access to CBD	Long term 10-15 years	Urban Congestion
Freight rail access to Port Kembla	New South Wales	Freight rail access to Port Kembla	Near term 0-5 years	National Connectivity

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
M1 Pacific Motorway (Varsity Lakes to Tugun)	Queensland	M1 Pacific Motorway capacity	Near term 0-5 years	National Connectivity
Pacific Highway (A1) – Coffs Harbour bypass	New South Wales	Sydney–Brisbane connectivity	Near term 0-5 years	National Connectivity
Melbourne Airport third runway	Victoria	Melbourne aviation capacity	Near term 0-5 years	National Connectivity
Bruce Highway Upgrade	Queensland	Queensland coastal cities connectivity	Near term 0-5 years	National Connectivity
Strzelecki Track upgrade and mobile coverage	South Australia	Access to Cooper Basin (South Australia)	Near term 0-5 years	National Connectivity
Pacific Highway (M1) - extension to Raymond Terrace	New South Wales	Sydney–Brisbane connectivity	Near term 0-5 years	National Connectivity
Cunningham Highway – Yamanto Interchange to Ebenezer Creek	Queensland	Cunningham Highway – Yamanto to Ebenezer/ Amberley congestion	Near term 0-5 years	National Connectivity
Moorebank Intermodal Terminal road connection upgrade	New South Wales	Road network connectivity to Moorebank Intermodal Terminal	Near term 0-5 years	National Connectivity

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
Western Sydney Infrastructure Plan	New South Wales	Access to Western Sydney and Western Sydney Airport	Near term 0-5 years	National Connectivity
Newell Highway upgrade	New South Wales	Melbourne–Brisbane connectivity	Near term 0-5 years	National Connectivity
Bunbury Outer Ring Road	Western Australia	WA regional freight network capacity	Medium term 5-10 years	National Connectivity
Derwent River crossing capacity	Tasmania	Tasmania Derwent River crossing capacity	Medium term 5-10 years	National Connectivity
Burnie to Hobart freight corridor strategy	Tasmania	Tasmania freight network planning	Medium term 5-10 years	National Connectivity
South Australian regional mineral port development	South Australia	South Australia bulk port capacity	Medium term 5-10 years	National Connectivity
Perth Airport third runway	Western Australia	Perth airport capacity	Medium term 5-10	National Connectivity

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
			years	
Mount Isa–Townsville rail corridor upgrade	Queensland	Mt Isa–Townsville rail capacity	Medium term 5-10 years	National Connectivity
Gladstone Port land and sea access upgrade	Queensland	Land and sea access to Port of Gladstone	Medium term 5-10 years	National Connectivity
Sturt Highway High Productivity Vehicle capacity enhancement, including Truro bypass	South Australia	South Australia road freight network capacity	Medium term 5-10 years	National Connectivity
New England Highway upgrade	New South Wales	Sydney–Brisbane connectivity	Medium term 5-10 years	National Connectivity
Melbourne–Geelong rail capacity enhancement	Victoria	Melbourne-Geelong rail capacity	Long term 10-15 years	National Connectivity
Gawler Craton rail access	South Australia	Freight rail connection to Gawler Craton mineral province	Long term 10-15	National Connectivity

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
			years	
Melbourne–Adelaide–Perth rail upgrade	South Australia	Freight connectivity Melbourne–Perth	Long term 10-15 years	National Connectivity
Western Sydney Airport public transport connection	New South Wales	Access to Western Sydney Airport	Long term 10-15 years	National Connectivity
Perth container terminal capacity and land transport access	Western Australia	Perth container terminal capacity	Long term 10-15 years	National Connectivity
Newcastle–Sydney and Wollongong–Sydney rail line upgrades	New South Wales	Connectivity between Newcastle, Wollongong and Sydney CBD	Long term 10-15 years	National Connectivity
Southern Sydney Freight Line upgrade	New South Wales	Sydney South to Moorebank rail freight capacity 8	Long term 10-15 years	National Connectivity
Northern Sydney Freight Corridor Stage 2: Additional track West Ryde	New South Wales	Sydney freight rail network capacity	Long term 10-15	National Connectivity

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
to Rhodes and Thornleigh to Hornsby			years	
Melbourne container terminal capacity enhancement	Victoria	Melbourne container terminal capacity	Long term 10-15 years	National Connectivity
Advanced Train Management System implementation on ARTC network	National	Rail freight capacity constraint on ARTC network	Near term 0-5 years	National Connectivity
Preserve corridor for Salisbury to Beaudesert rail connection	Queensland	Future urban rail connection to Beaudesert	Near term 0-5 years	Corridor Preservation
Upgrade Tanami Road	Northern Territory	Constrained access to the Tanami region	Near term 0-5 years	Remote Infrastructure
Improve road access to remote WA communities	Western Australia	Constrained road access to remote WA communities	Near term 0-5 years	Remote Infrastructure
Provision of enabling infrastructure and essential services to remote NT communities (Wadeye, Tiwi Islands, Jabiru)	Northern Territory	Infrastructure services for remote NT communities	Near term 0-5 years	Remote Infrastructure
Lower Fitzroy River water	Queensland	Opportunity to develop industry and	Near term	Opportunity

Proposed initiative	Location	Problem description	Proposed delivery timescale	Problem category
infrastructure development		agriculture in Fitzroy region	0-5 years	for Growth
Melton Rail Line upgrade	Victoria	Melbourne outer western suburbs access to CBD	Medium term 5-10 years	Opportunity for Growth
Darwin region water supply infrastructure upgrades	Northern Territory	Darwin water supply security	Medium term 5-10 years	Water Security
Tasmanian sewerage infrastructure upgrades	Tasmania	Tasmanian wastewater treatment environmental compliance	Near term 0-5 years	Waste Water Treatment
Hawkesbury-Nepean Valley flood management	New South Wales	Flood mitigation in Hawkesbury–Nepean Valley	Near term 0-5 years	Resilience
Second Bass Strait interconnector	Tasmania	Supply security in the national electricity markets	Long term 10-15 years	Efficient Markets
Connect gas suppliers to eastern gas markets	National	Constrained East Coast gas supply	Near term 0-5 years	Efficient Markets