About Infrastructure Australia

An independent statutory body with a mandate to provide objective advice on infrastructure reform and investment.

“The Australian Government expects Infrastructure Australia to contribute to the efforts of all levels of government to build a strong and prosperous economy by providing robust, independent and evidence-based advice on Australia’s future infrastructure needs.” The Australian Government, 2015
Key Findings

Australia’s cities are at a tipping point. Australia’s population is projected to grow to over 30 million by 2031. The bulk of this growth will be in our cities. This will drive a significant increase in demand for infrastructure.

Meeting this demand will require a multi-faceted response. While ongoing investment will be required, governments must also make better use of existing infrastructure assets and networks.

A cultural shift in infrastructure planning and delivery is needed. We must prioritise reforms and investments that maximise the efficiency of infrastructure networks.
Opportunities to maximise efficiency

Completing networks
- Deliver missing links across road and rail infrastructure to provide users with joined up infrastructure

Sweating assets
- Use data and technology to extract the greatest value from our infrastructure

Establish Infrastructure Markets
- Create infrastructure markets to deliver efficient operation, funding and maintenance
Completing Networks

The IPL includes a number of proposals to complete networks:

Metro project proposals for Sydney, Melbourne and Brisbane;

Motorway grade connections to complete inter-city motorway networks; and

Programs of investment focused on delivering wider network efficiencies.
## Sweating Assets

*Figure 1: Possible benefit-cost ratios of ITS projects compared to building road capacity*

<table>
<thead>
<tr>
<th>Service</th>
<th>Benefit-cost Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traffic signal phasing</td>
<td>62</td>
</tr>
<tr>
<td>Integrated corridor management</td>
<td>39</td>
</tr>
<tr>
<td>Traffic incident management</td>
<td>38</td>
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<tr>
<td>Real-time traffic information system</td>
<td>25</td>
</tr>
<tr>
<td>Intelligent traffic management</td>
<td>14</td>
</tr>
<tr>
<td>Traditional road capacity</td>
<td>2.7</td>
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</tbody>
</table>

*Source: McKinsey Global Institute, 2013*
Infrastructure Markets

Figure 2: Comparison of user pays and maintenance across infrastructure sectors

Source: Infrastructure Australia analysis, 2015