WESTERN SYDNEY PLANNING PARTNERSHIP

How do we embed smarts in ‘planning’?

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Two legal frameworks

Authorisation in land use plans

REGIONAL OR CITY STRATEGIC PLANS

LOCAL STRATEGY PLANNING STATEMENTS

ENVIRONMENTAL PLANNING INSTRUMENTS

Planning circu

PLANNING SYSTEM

Infrastructure; telecommunications

Circular	PS 21-025
Issued	2 December 2021
Related	Replaces PS 17-005

Development control

of consent for fibre-read
nd telecommunications
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is to advise consent authorities that all development consents (u
ensure that modern telecommunications infrastructure is provide
n developments.

Infrastructure delivery

How is the Partnership *being smart(er)*?

1. Smart infrastructure technical manual
2. Local government smart infrastructure policy @ regional scale
3. Financial investment case to support SI policy
4. Growth areas development control & infrastructure contributions framework for SI
5. Case study of linking SI to asset systems
6. Update street design guide & engineering design manual

Future-proofing streets

Technology and community needs change over time, and streets should be flexible enough to accommodate new requirements for the delivery of services, utilities and transport modes.

Streets have accommodated dramatic changes in human habitation and use for thousands of years and over the last century the addition of electricity and telephone services, and the transport revolution inspired by the bicycle, electric tram and the shift from horse and cart to internal combustion engines in the early 20th Century.

The NSW Government is seeking to improve infrastructure investment by embedding smart technology in new and upgraded infrastructure, adopting interoperability protocols and cybersecurity standards.

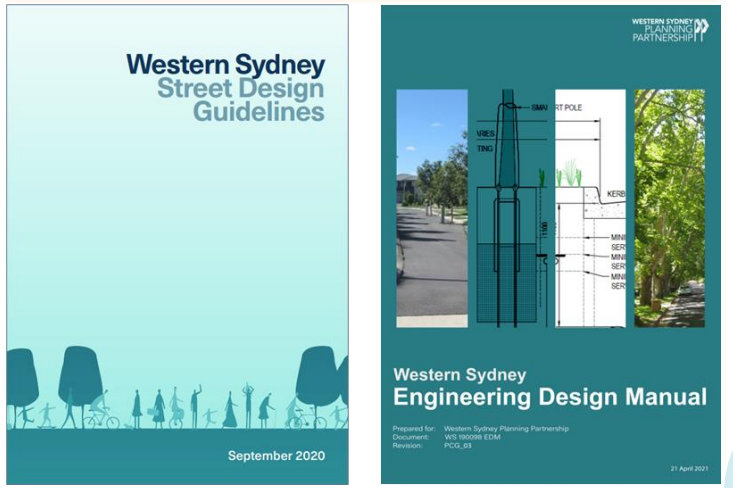
Changing transport

The recent rise in on-demand bus and ride share services aided by mobile phone applications is a good example of behaviour change delivered through technology. Connecting people to services, real time tracking and digital contactless fare systems such as Opal are changing the transport options and the way streets are used. A shift to electric vehicles will also have an impact on streets with reduced emissions.

Technology and utilities

The roll out of 5G mobile services will deliver transfer speeds projected to be about 10 times higher than 4G. This speed will mean reduced data latency that can support significant advances in driverless vehicles and 'smart' components. The connection of a wide network of sensors and data points through these networks can have a significant impact on traffic, pollution and other environmental measures.

Smarter cities and neighbourhoods will always need to integrate new and changing technologies, that help shape places and change human behaviour.



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