Getting Sydney Moving – The Transport Challenge.

Engineers Australia Southern Highlands – 25 August 2011

Garry Glazebrook
Transport Policy Manager, City of Sydney
AUSTRALIA’S GLOBAL CITY

Let’s make Sydney green, global and connected
global cities index 16th
mori power index 14th
monocle LC index index 12th
mercer Q of L index 10th
WCitSG index alpha+
Global Warming

Let’s make Sydney green, global and connected
Sydney is Australia’s public transport capital ...

Source: ABS 2006 Census
But we're reaching capacity on rail..
And on road..
George Street
Pedestrians and vehicles fight for space ...
Encouraging Trends

Sustainable travel growing faster than car use

Average Annual Percentage Growth, Sydney, 2001/2 to 2008/9

0.9% 0.8% 0.6% 0.7% 2.0% 1.4% 1.9% 2.7%

Population Total Travel Car Driver Car Passenger Train Bus Walk Only Other

Number of Trips by Mode

Source: Transport Data Centre, 2010
Growth in bicycle use

Average Weekday Traffic (AWT) for Bicycle Count Comparison Chart

- Iron Cove Bridge
- Anzac Bridge
- Sydney Harbour Bridge
- Anzac Parade

Number (Average Weekday Traffic)

Year

Let’s make Sydney green, global and connected

City of Sydney
Car share is taking off..
Future City Centre Mode Share Targets

Future Shares of Work Trips to City Centre

<table>
<thead>
<tr>
<th>Year</th>
<th>Mass Public Transport (%)</th>
<th>Car, taxi, truck, motorcycle (%)</th>
<th>Walk / Cycle (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>73</td>
<td>20</td>
<td>7</td>
</tr>
<tr>
<td>2011</td>
<td>74</td>
<td>18</td>
<td>8</td>
</tr>
<tr>
<td>2016</td>
<td>76</td>
<td>16</td>
<td>8</td>
</tr>
<tr>
<td>2021</td>
<td>77</td>
<td>14</td>
<td>9</td>
</tr>
<tr>
<td>2026</td>
<td>79</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>2031</td>
<td>80</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>2036</td>
<td>80</td>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>
But jobs are also growing in the City Centre...

Let’s make Sydney green, global and connected
Barangaroo – an extra 23,000 workers and residents
Green Square – an extra 40,000 residents
We need 35% more public transport capacity to the City Centre by 2036.
Let’s make Sydney green, global and connected
What do people want: Independent Public Transport Inquiry Survey

Choice of Investment

- High Investment in Roads: 17%
- High Investment in Public Transport: 62%
- Low Investment in Both: 21%
But what kind of public transport?
Bus Rapid Transit

Parramatta T-Way

Brisbane Busway

Adelaide O-Bahn
Light Rail

Lintz

Lyon
Melbourne

Minneapolis
Metros

NEW THINKING ON TRANSIT FOR
ÎLE DE FRANCE

Let’s make Sydney green, global and connected
High Speed Rail
Demand-responsive
In the City Centre, people are paramount
Transforming George Street
192 bus routes into the City Centre

Over 1,000 buses arrive in the peak hour

Most run all the way through the city and back again
Streamlining Buses

**Current:**
Far Side Terminus

**Future:**
Near Side Terminus,
Through Running (East West)
Light Rail (North South)

Use Metrobuses to simplify routes
Developing a Light Rail Network

Light Rail Stages
- Existing Light Rail
- Stage 1: Dulwich Hill
- Stage 2: George St
- Stage 3: Anzac Parade
- Stage 3+: Green Square - Barangaroo
- Stage 4: Possible Future Extensions

Long Term Light Rail Options

Interchanges
Existing rail above ground
Existing rail below in tunnel
LGA Boundary
Cycleways
Parking - Where to in the future?

- Convenience retail and services
- Compact bike parking and showers
- Car parking and recharging
- Water recycling and energy storage plant
- Solar PV and rainwater
- Courier logistics centre
- Car share service
- Scooter parking and recharging

Secure P
The Original Metropolitan Rail Expansion Plan (MREP)
Planning being finalized in the future?

What is happening?

in the future?

Planning being finalized

Under Construction

Let’s make Sydney green, global and connected
Premier promises a light rail revolution

The State Government has promised to bring out a new long term transport plan...
The trend to more sustainability is underway around the world.

Sydney is starting to shift away from car dominance as well.

The City of Sydney is working on many fronts, including working closely with the State Government, towards a more sustainable Sydney.
THANK YOU

Garry Glazebrook
Transport Policy Manager, City of Sydney