Transport and Climate Change Week

Clean, Marketable, Smart - Enabling governments in transforming mobility
27th September 2018
Transforming mobility in London: the changing role of city government

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27.10.18
London’s bus, rail and metro networks
One Mayor, thirty-three Boroughs

Mayor’s responsibilities

City Planning Strategy
Transport Strategy & Services
High-capacity highways

Borough responsibilities

City Planning implementation
Local highways
+ many non-transport functions, such as education
The Mayor is accountable for the regional development and transport strategies. The Mayor’s plans must be consistent with national policies. The Boroughs’ local plans must support the Mayor’s plans.

Align strategy to transform mobility.
TfL’s first three challenges

From the first Mayoral Transport Strategy (2001)

(1) “The city’s transport system has been starved of the investment necessary to sustain existing services, let alone meet the challenge of rising travel demand.”

(2) “In consequence, the capacity, reliability and overall performance of London’s transport system has fallen far behind the needs of London’s economy and citizens.”

(3) Traffic congestion and under-resourced public transport are regularly identified by the public and business as London’s most pressing problems.
What was the strategy?

“Three decisive steps:”

(1) Immediate **radical bus service improvements** - a 40% increase in capacity by 2011.

(2) Overcome the **backlog of maintenance** and renewal on the Underground.

(3) For the longer-term: develop **major infrastructure projects**.
What happened?

<table>
<thead>
<tr>
<th>Mode</th>
<th>2015</th>
<th>2000</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bus &amp; tram</td>
<td>3.9</td>
<td>2.4</td>
<td>1.5 (63%)</td>
</tr>
<tr>
<td>LU &amp; DLR</td>
<td>2.8</td>
<td>2.0</td>
<td>0.8 (40%)</td>
</tr>
<tr>
<td>Rail</td>
<td>2.9</td>
<td>1.7</td>
<td>1.2 (71%)</td>
</tr>
<tr>
<td>Car</td>
<td>9.5</td>
<td>10.4</td>
<td>-0.9 (-8.7%)</td>
</tr>
<tr>
<td>Taxi</td>
<td>0.3</td>
<td>0.3</td>
<td>0</td>
</tr>
<tr>
<td>Walk</td>
<td>6.5</td>
<td>5.5</td>
<td>1.0 (18.1%)</td>
</tr>
<tr>
<td>Cycle</td>
<td>0.6</td>
<td>0.3</td>
<td>0.3 (100%)</td>
</tr>
<tr>
<td>Motorcycle</td>
<td>0.2</td>
<td>0.2</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>26.7</td>
<td>22.7</td>
<td>17.6%</td>
</tr>
</tbody>
</table>
Innovative tactics were used ...
Incentivised contracts with the private sector helped double bus usage.

The Congestion Charge reduced delay by 30%
- Over 3,000 hybrids in service by June 2018
- 4,000 buses Euro VI (new and retrofitted)
- First two double-deck electric routes awarded in June 2018
- Up to 300 zero-emission vehicles expected to be in service by 2020
  - Ultra Low Emission Zone to be introduced April 2019
Four factors made it achievable ...
From the Transport Strategy of 2001:

- **Political**: restoration of accountable city government with a **directly elected Mayor**.
- **Financial**: national Government allocation of **financial resources** to address under-investment.
- **Operational**: **integration of London’s transport services** through Transport for London.
- **Managerial**: the introduction of world class **leadership** in TfL.
Growth is still a challenge for London

8.6 million residents (6400/sq.km).
Growing to ten million by the 2030s.
New challenges are emerging ...
Funding Reductions

Transport required to deliver more on Greenhouse Gas cuts

Regulatory challenge

Infrastructure projects increasing in complexity
How will London meet the new challenges?
The Mayor’s Transport Strategy 2018: three themes

(1) “Healthy streets for healthy people”

Streets designed for walking, cycling and public transport users

Ultra-Low Emission Zone
c.21km
(2) “A good public transport experience”: more capacity and better customer service

(3) “Supporting new homes and jobs”: transport improvements supporting compact urban development
The Mayor’s ambition for mode shares

A 50% increase in walking, cycling and public transport

2015
26.7 million
daily trips

2041
32 million
daily trips

Walking, cycling & public transport
Car/taxi/PHV

36%
64%

20%
80%
Shaping innovation by the market

**Contactless Payment:** TfL an early adopter – since 2012

**Commercial small-bus:** TfL engaging with the market to encourage provision in the right locations.

**Electric buses:** largest single fleet in Europe. TfL using bus contract payments to drive forward the development of UK manufacturing capacity.
Proposal 92
The Mayor, through TfL and the boroughs, will explore the role for demand-responsive bus services to enable Good Growth, particularly in otherwise difficult-to-serve areas of outer London.

Innovation: ride-sharing

Strategy (MTS 2018)
42% of Londoners using an app based on TfL data, gaining up to £90m of time-savings

Tech companies have created over 700 jobs and £14m of Gross Value Added
Walking times between stations on the same line

Walking can be a quick and easy way to get around, particularly when travelling during the busiest times, which are 08:00-09:00 and 17:30-18:30 Monday to Friday. This map shows how much time it takes to walk between stations on the same line. For more walking maps, visit dft.gov.uk/walking.

Key to lines
- Bakerloo
- Central
- Circle
- District
- Hammersmith & City
- Jubilee
- Metropolitan
- Northern
- Piccadilly
- Waterloo & City
- DLR
- London Overground
- National Rail
- Riverboat services
- Victoria Coach Station

Key to symbols
- Interchange stations
- Step-Free access from street to train
- Step-Free access from street to platform
- National Rail
- Riverboat services
- Victoria Coach Station
What can be learnt from London?

1. Clear accountability for strategy AND delivery
The “Mayor + TfL” model has been effective for London. How will it fare in the new era of limited public funding?

2. Align public and private interests.
Bus growth was a public / private partnership. Can this work with new players such as the Ride-Sharers?

3. Actively intervene in markets
Congestion Charging: a radical answer to traffic delay. Can we intervene in complex markets e.g. self-driving cars
Thank you for your attention!