Transportation as City Building
Planning by Design – key wins

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Win 1

Cities are complicated:
...organic,
spontaneous,
untidy

► action - overcome silo thinking
Global Survey

• Cities are competitive
  • it is not about infrastructure, holistic solutions desired but difficult to achieve
• it is not about money, planning and governance a priority over funding

“some of my best urban designers...
....are traffic engineers”

-Brent Toderian
Director of City Planning

EcoDensity

overcome silo thinking
getting the culture right

Vancouver, Canada
overcome silo thinking
structure the project for success
overcome silo thinking
invest in therapy

Redmond, USA
Win 2

Transport is about people and goods...
...not vehicles

- Action: focus on the place and not the problem
- Action: focus on people and goods not vehicles
focus on the place, not the problem

vision

demand

the strategy gap

solutions

problems

vision

role of transport

solutions

problems
Link & Place
A Guide to Street Planning and Design

Peter Jones | Natalya Boujenko | Stephen Marshall
focus on people and goods not vehicles
design for people

Edinburgh, UK
Win 3

Density needs transit
…and transit needs density

- Action: embed transit in mainstream, move away from special needs treatment
- Action: focus on the composition, not the buildings
  …expand TOD to corridors
- Action: match governance to need
focus on the composition, not the buildings
physical impact of parking, not amount

San Diego, USA
Win 4

The city is a place of exchange

- Action: maximize movement and connectivity but minimize movement space
- Action: enhance the value of movement space
max. movement / minimize movement space
complete community | complete mobility
max. movement / minimize movement space
rebalance space - 50%

Bordeaux, France
max. movement / minimize movement space
rebalance

Berlin, Germany
max. movement / minimize movement space

maximize the productivity of movement space
max. movement / minimize movement space
max. productivity of movement space

Kensington High Street, UK
max. movement / minimize movement space

maximize the productivity of movement space

Rouen, France
enhance the value of movement space
moving art
enhance the value of movement space
moving art

Bilbao, Spain
enhance the value of movement space
moving art
enhance the value of movement space
moving art

Bilbao, Spain
enhance the value of movement space
moving art
moving art
enhance the value of movement
space
Paris, France
enhance the value of movement space
arrival points
enhance the value of movement space
arrival points

Amsterdam, Netherlands
Amsterdam, Netherlands

enhance the value of movement space
arrival points
enhance the value of movement space
arrival points

Caen, France
enhance the value of movement space
arrival points
Win 5

Quality urban spaces are difficult to create

- Action: focus on quality of design not materials
Berlin, Germany

focus on quality of design
...not materials

It is not about materials and cost
Ugly buildings can make for great streets

- ...iconic buildings do not necessarily make for great streets
It is not about materials and cost

focus on quality of design
It is not about materials and cost

focus on quality of design

Photo: The Royal Borough of Kensington and Chelsea
Win 6

The city is the centre of economic and creative opportunity

- Action – celebrate congestion
50% of world population lives in cities
celebrate congestion
separate good and bad congestion
celebrate congestion
separate good and bad congestion
celebrate congestion
separate good and bad congestion

Seville, Spain
Isle of Skye, UK

celebrate congestion
separate good and bad congestion
celebrate congestion
think systems / tradeoffs
celebrate congestion
think systems / tradeoffs

London, UK
A city’s quality of life is its greatest economic asset

- Action: view urban design as an investment not a cost
- Action: use transportation as a Lever
View urban design as an investment not a cost

“improvement in street design quality can add an average of 5.2 per cent to residential prices and 4.9 per cent to retail rents”

-Commission for Architecture and the Built Environment
use transportation as a lever
London, UK
London, UK

Enhance the value of movement space

Arrival points
Use education as a lever
Win 8

The dynamism of cities is uncertainty and change

- Action: manage risk, don’t sterilize
San Diego, USA

manage risk, don’t sterilize

managing risk?
Court rulings repeatedly state that road users are responsible for their own safety and have a duty to take the road as they find it. This defines the road user as an intelligent being, able and expected to exercise their own judgement. **It is not necessary for the design of a scheme to take that independence of judgement out of the hands of the road user.**
Kensington High Street - new design at least as safe as previous design with barriers
- Ian Walker - Bath University - experiment on bicycle - drivers would leave larger space for riders without helmets

- Munich - taxi drivers with ABS had no fewer accidents than those without because they drove more aggressively

- John Adams - University College London - number of children in road deaths has decreased in recent years not because roads are safer but because children are not let out. Has led to higher rates for teens.
“Most engineers, when faced with a problem, try to add something. My instinct has always been to take something away.”

-Hans Monderman
manage risk, don’t sterilize
managing risk?

Edinburgh, UK
manage risk, don’t sterilize managing risk?
manage risk, don’t sterilize
managing risk?
Istanbul, Turkey
manage risk, don’t sterilize your moment of zen
the wins

- Win 1: cities are complicated: organic, spontaneous, untidy
- Win 2: transport is about people and goods, not vehicles
- Win 3: density needs transit...and transit needs density
- Win 4: the city is a place of exchange
- Win 5: quality urban spaces are difficult to create
- Win 6: the city is the centre of economic and creative opportunity
- Win 7: a city’s quality of life is its greatest economic asset
- Win 8: The dynamism of cities is uncertainty and change
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