Urban Futures: Changing the Conversation

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### Changing the Conversation

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What

Smart urban futures:
• are multimodal
• Use efficient and effective transport modes are
• Cater for pedestrians, cyclists, transit commuters and motorists in balance
• Integrate land use and transport
• Have denser housing and intense employment which make public and active transport more efficient
Cities need transport to operate
Transport is expensive
Space for transport is finite
Induced demand – traffic expands to fill the space
So we need to use it efficiently
Connect employment, housing and services
Evidence shows induced demand works for other models
Or we could say...

Cities work better when:
- people can get around easily
- people have real choices about how they get around
- more people can live, work, shop close to more transport choices
Or we could say...

- Cars use more space for each trip than pedestrians, cyclists or transit
- We can move people around better if we use our space differently
- Widening roads just causes more people to drive
- More people will ride, walk and catch bus/trains if they are safe, convenient and comfortable
- Good separate bike and walking lanes means more people will use them
- Streets are safer if vehicle traffic is slower
What if we said

We are all just people trying to get around

- Motorist
- Pedestrian
- Cyclist
- Transit users

are just PEOPLE

- Driving a car
- Walking
- Riding a bike
- Catching a bus/train
Using space better
Using space better

PRIVATE MOTOR VEHICLES
600—1,600/HR

MIXED TRAFFIC WITH FREQUENT BUSES
1,000—2,800/HR

TWO-WAY PROTECTED BIKEWAY
7,500/HR

DEDICATED TRANSIT LANES
4,000—8,000/HR

SIDEWALK
9,000/HR

ON-STREET TRANSITWAY, BUS OR RAIL
10,000—25,000/HR
Using space better

**NO EXIT** © Andy Singer

**WHAT IS THE MOST EFFICIENT WAY FOR FIFTY PEOPLE TO GET TO WORK?**

A. [Image of car parking lot]

B. [Image of tram]

**AUTOMOBILES:**

**THE MYTH**

**THE REALITY**
Safety and speed

**VISIBILITY**

15-25 KM/H

30-50 KM/H

50-65 KM/H

70+ KM/H

Pedestrian fatality risk as a function of the impact speed of a car

- Probability of death
- Impact speed (km/h)
30 is the new 50

Look what you’re missing!

Bike Auckland
Changing transport priorities

• Brent Toderian: “If you design and build a multimodal city, it works better for everybody including drivers”

• ShapingSEQ: “Every trip made on public and active transport is a win for everyone... it shifts people towards healthier, more efficient and sustainable choices, and leaves room on our roads for.... other trips”
Why it matters

How much does your commute cost (or save) society?

Every time you travel you put money into the system, but you also cost the system. Your contribution to and burden on the system differs depending on how you travel.

For example, when you ride the bus you pay a fare – money into the system. Your burden on the system includes the cost of operating the bus, and also less obvious impacts like emissions and noise pollution.

By looking at the ratio of what we put in versus what we cost the system, we see that different ways of travelling are more subsidized than others.
Build exercise into your day

The Benefits of Walking

- **BRAIN**: Improves mood
- **EYES**: Wards off Glaucoma
- **BACK**: Relieves back pain
- **HEART**: Lowers blood pressure & risk of heart attack
- **ARM**: Strengthens arm muscles
- **hips**: Reduces Hip fracture
- **LEGS**: Lowers the risk of blood clot
- **FEET**: Reduces the load on other joints

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Benefit of cycling

- **Reduce your Stress**: Don't think anymore riding now!!!
- **Healthy up**: Travel and exercise in same time
- **Save your money**: No need fuel run on your power
- **Green world**: No carbon dioxide
- **Faster than walk**: 15-20 Mph
don't worry about traffic jam
ShapingSEQ

Let's connect it all up
We can talk about housing differently too
All planning document wants housing diversity

We could say:

“Let’s make sure our communities provide housing for everyone as our needs change through our life”
So let’s say

Cities are for people

How people live and get around can help our cities work a lot better

Let's give people real choices about the type of house and places they can live, and how to get around

And make them safer, cheaper and more enjoyable
And keep advocating - it makes a difference
Thank You

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ETHOS URBAN