

Transportation Connections: HOW NEW MOBILITY OPTIONS CAN SUPPORT PUBLIC TRANSIT

“ ... AVs will deliver on their promise only if policymakers – like passengers climbing into a robotaxi – are absolutely clear about where they want to end up.”

The Economist, March 3, 2018



PERKINS+WILL

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... our collective Id in 2018?



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... going forward we need to use our collective Superego

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Are you serious?



This is my reality at 1:30 am?



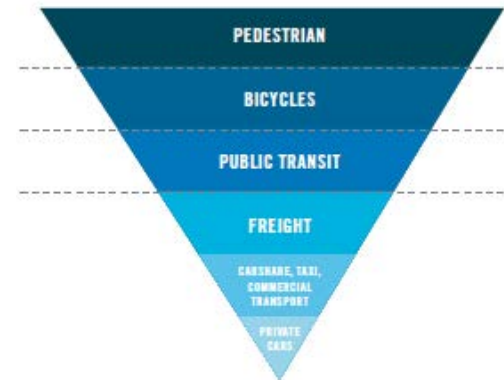
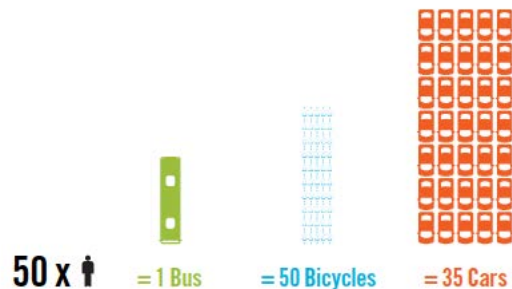
... and at 5:30 pm?

But we need to be brutally honest about our current transit and ...
ask is New Mobility and Public Transit a zero sum option?

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Do we need to broaden our view of transit?



Transit is still the most efficient way to move large numbers of people ... and pedestrians need to be prioritized

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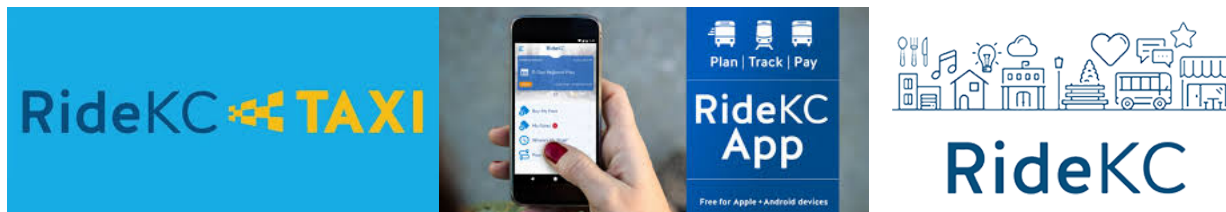


A missing community asset?

Fixed-route shuttle ... or

... on-demand shuttle?

Could low-ridership routes be served by on-demand shuttles?




City of Lenexa Kansas taxi program for seniors ... and KC's shuttle experiment with Bridj

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WHAT IF ALL TRANSPORTATION WAS CONVERGED ...

... AND TAILORED TO YOUR NEED AS MONTHLY PACKAGES?



MAAS GLOBAL

| Light | Medium | Premium | Pay-as-you-go |
|---|--|--|--|
| 89€ /month | 249€ /month | 317€ /month | |
| Includes HSL Helsinki season ticket + 1,000 Whim points | Includes HSL Helsinki season ticket + 5,500 Whim points | Includes HSL Helsinki season ticket + 8,000 Whim points | |
| Use your Whim points as you like, for example: | Use your Whim points as you like, for example: | Use your Whim points as you like, for example: | |
| 2 taxi trips (-10 km/trip) daytime + unlimited local public transport | 8 taxi trips (-10 km/trip) daytime + unlimited local public transport + 2 days of car rental | 8 taxi trips (-10 km/trip) daytime + unlimited local public transport + 5 days of car rental | |
| | | | Try Whim without commitment and upgrade whenever you like. |
| | | | Transport providers: HSL, MTR, SICK, VEANO |
| | | | We get you to your destination using your preferred mode of transport, letting you pay as you go – all in one app! |

Could we have seamless connectivity ...

... what about something like Helsinki's WHIM?

Should we be treating transit as a regulated city utility?

We need to have seamless connectivity between all modalities



Helsinki today

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Feeder to the Gold Line as well as providing transit around Monrovia and to neighboring retail and medical centers

Maybe look at GoMonrovia?

*“The new, multi-modal transportation program, called **GoMonrovia**, leverages the strengths of two thriving private companies – the ride-share provider Lyft, and the dockless bike-share provider Lime – in partnership with the City’s existing dial-a-ride operator, to provide fast and affordable transportation all throughout Monrovia”* City of Monrovia web site.



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28 Transit agencies in the SF Bay Area alone ...

Integration & Planning: Should MTC become a Mobility Broker for all?

And what about all the other mobility providers?



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In a digital world how do we ensure universal access?

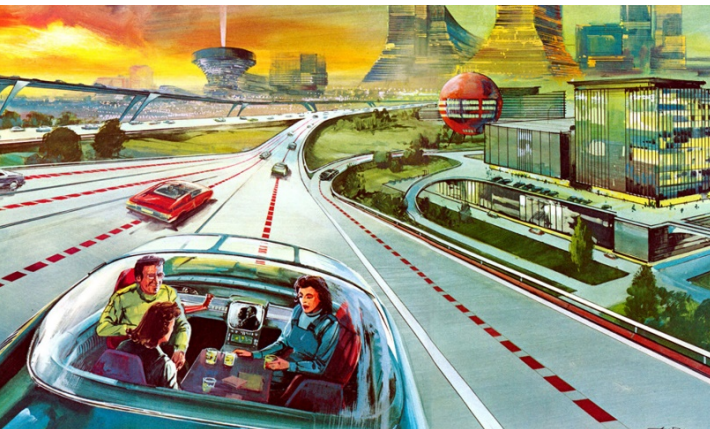
Do we need a lifeline mobility access plan?

Equity is critical: Does digital access = universal access?

How do we prevent Tomorrow[land] from being this

with

.... this?



Transportation Connections:

HOW NEW MOBILITY OPTIONS CAN SUPPORT PUBLIC TRANSIT: A CASE STUDY

WILSHIRE BOULEVARD, WESTWOOD, CA

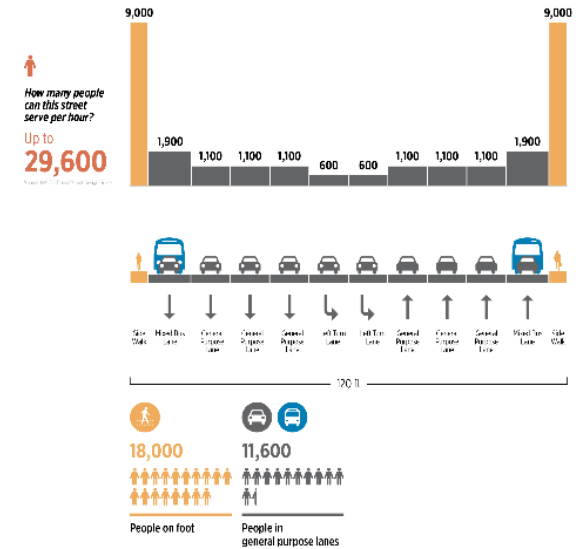


Existing:

Capacity = 29,600 people/hour

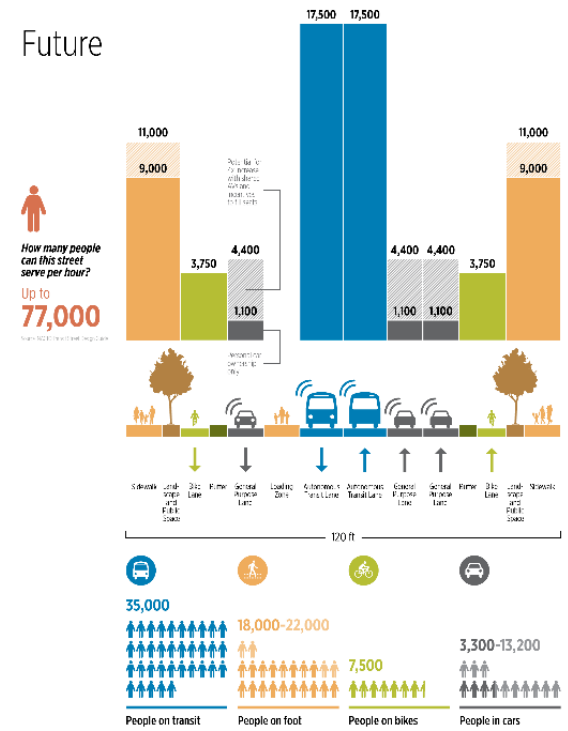
7,400 people in SOV's

Present



Traffic flow sections by
Nelson/Nygaard

Transportation Connections: HOW NEW MOBILITY OPTIONS CAN SUPPORT PUBLIC TRANSIT: A CASE STUDY WILSHIRE BOULEVARD, WESTWOOD, CA



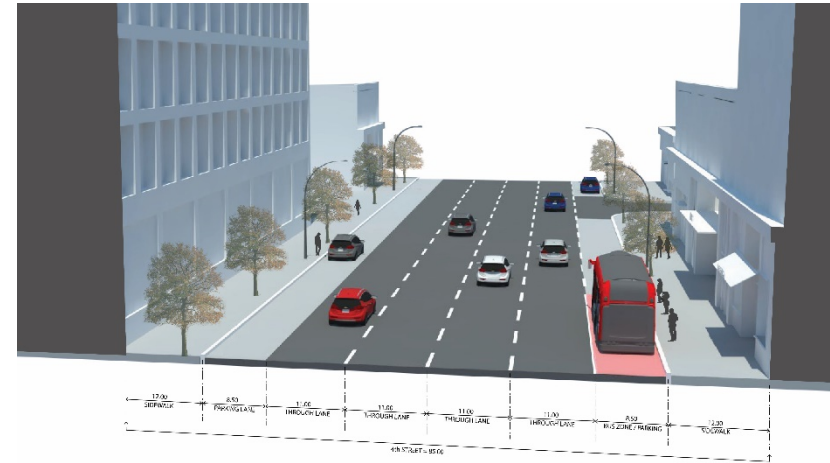
Future:
Capacity = 77,000 people/hour
64,500 people not in SOV's

Traffic flow sections by
Nelson/Nygaard

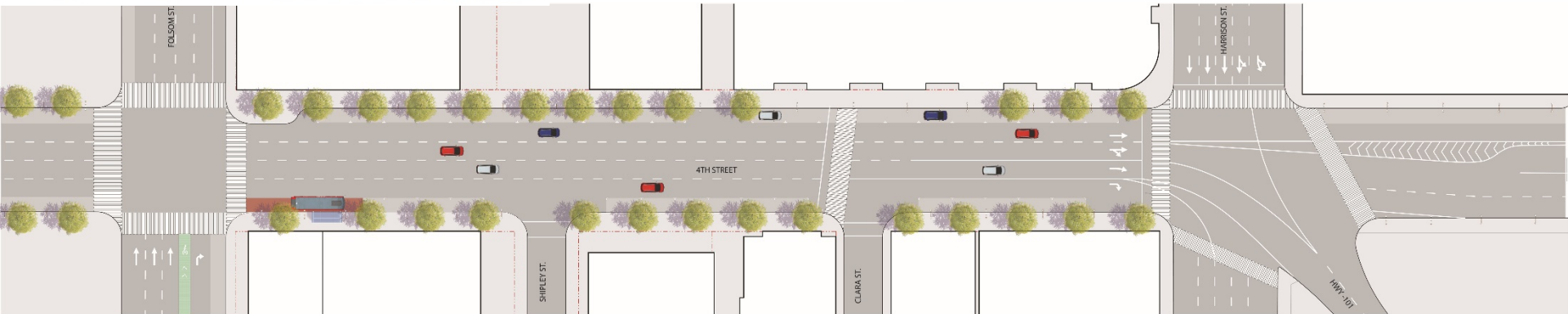
Roads & Public Realm: Existing Curb & Street Design [4th & Folsom, San Francisco]

On-street parking with 4 travel lanes; no TNC or e-commerce pick-up or drop-off

No dedicated bike lanes; no storm water management



4TH STREET EXISTING - SECTION



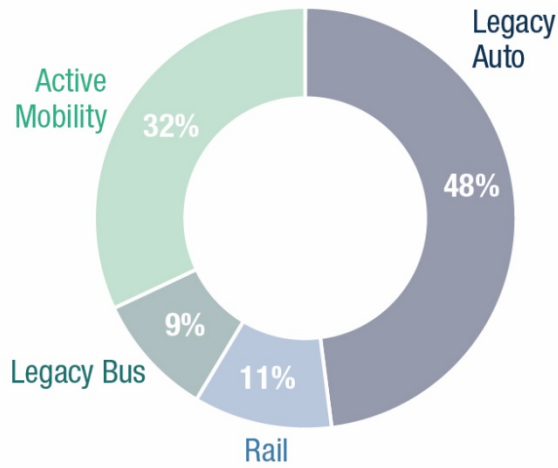
4TH STREET EXISTING - PLAN

Prepared in conjunction with Arup

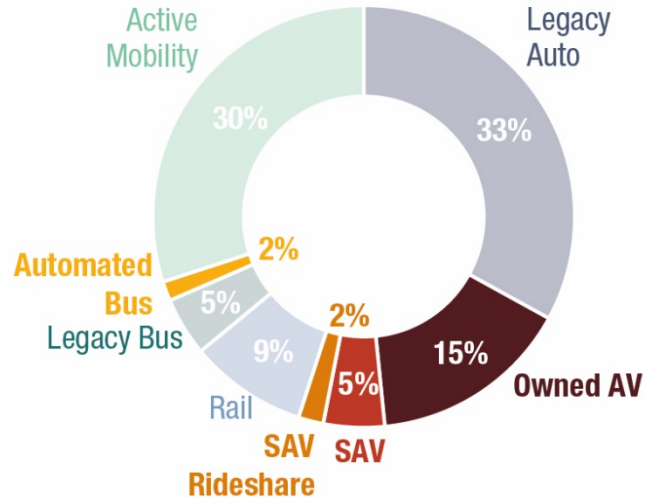
Roads & Public Realm: Evolution of Modality Split [4th & Folsom, San Francisco]

Baseline – Evolutionary - Revolutionary

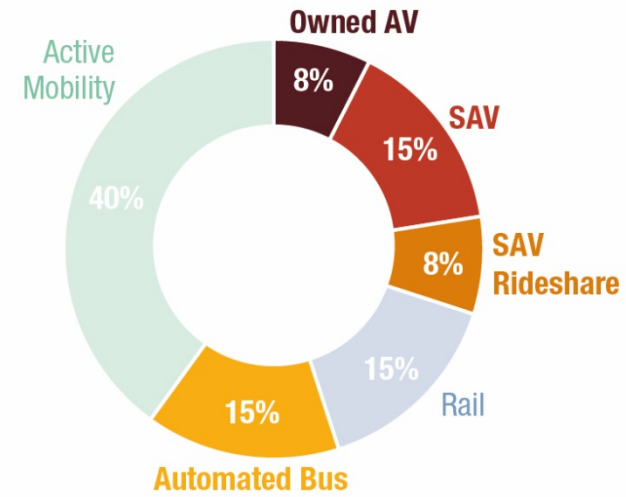
BASELINE



EVOLUTIONARY

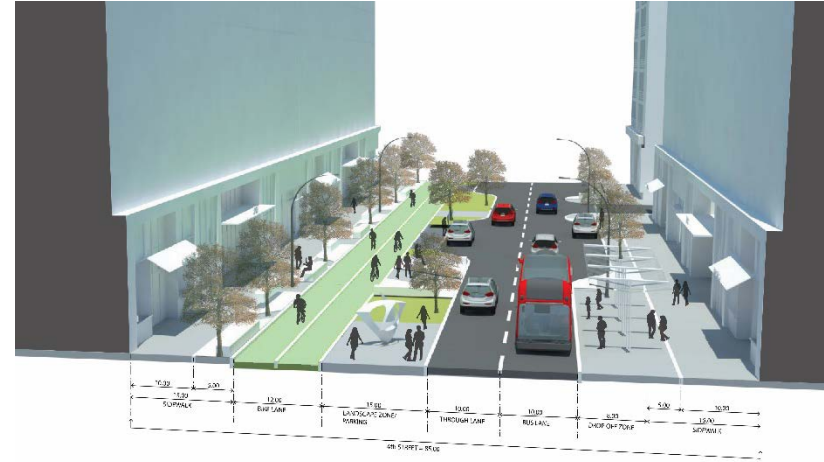


REVOLUTIONARY

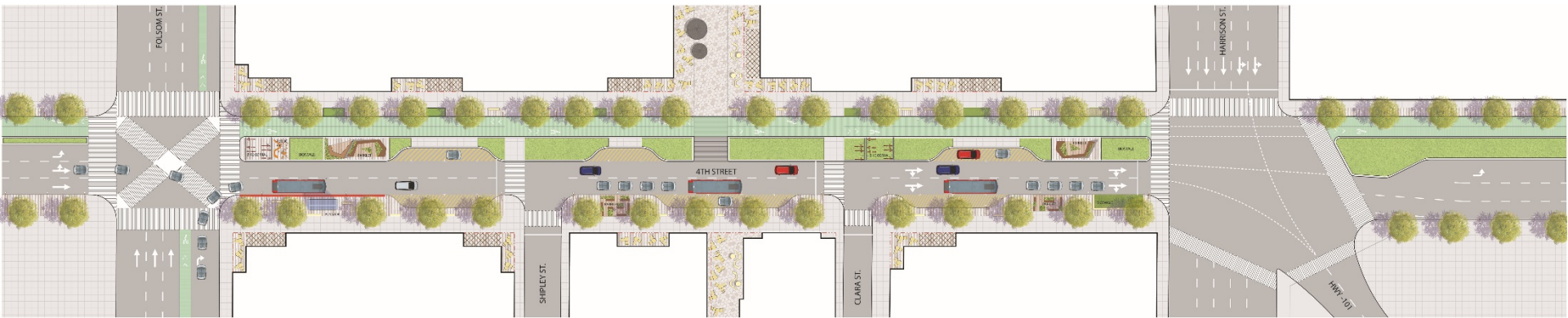


Roads & Public Realm: Potential Curb & Street Design [4th & Folsom, San Francisco]

On-street parking replaced with TNC pick-up & drop-off, e-commerce unloading, storm water management, dedicated two-way bike lanes and parklets



4TH STREET PROPOSED DESIGN - SECTION



4TH STREET PROPOSED DESIGN - PLAN

Prepared in conjunction with Arup

New Mobility should serve Transit not replace it:

[It is not a zero sum game]

Let's discuss how we do that

Thanks!



SF Transit Week
September 25, 2018

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