Move Utah

ACTIVE, HEALTHY, CONNECTED COMMUNITIES

Self Driving & Flying Cars: What the Health?

Jared Esselman

Utah Department of Transportation

Aeronautics Director

Travis Olsen

Community Health Educator

Weber Morgan Health Department

Josh Channell

Parametrix

Senior Transportation Planner

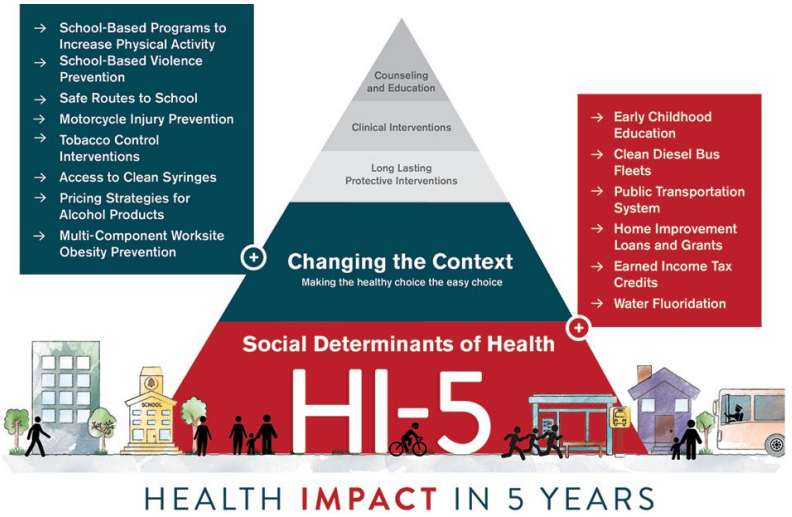
Blaine Leonard

Utah Department of Transportation

Transportation Technology Engineer

Introduction

Source: Ewen Roberts, DeLorean



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Drone Package Delivery

Minimize travel and wait time for blood sample results.

Patients in surgery pay by the minute when doctors are waiting for surgical toolkits. We can reduce those cost.

During emergency or disaster scenarios, damaged or blocked roads may prevent delivery of healthcare. Drones don’t need roads.

More than 500 courier car trips per day can be eliminated on one use case alone.

Aerial Ambulance

Most disruptive force in transportation today

iPhone

ANNOUNCED: Jan. 9, 2007

RELEASED: June 29, 2007

KEY FEATURES:
3.5-inch diagonal screen;
320 x 480 pixels at 163 ppi;
2-megapixel camera

PRICE: 4GB model, $499;
8GB version, $599 (with
a two-year contract)

Promise:

- Real time transit directions lead to big increases in transit use
- Less congestion from drivers rerouting
- Fewer cars with on-demand bikes, scooter & cars

Josh Channell, Transportation Planner, Parametrix

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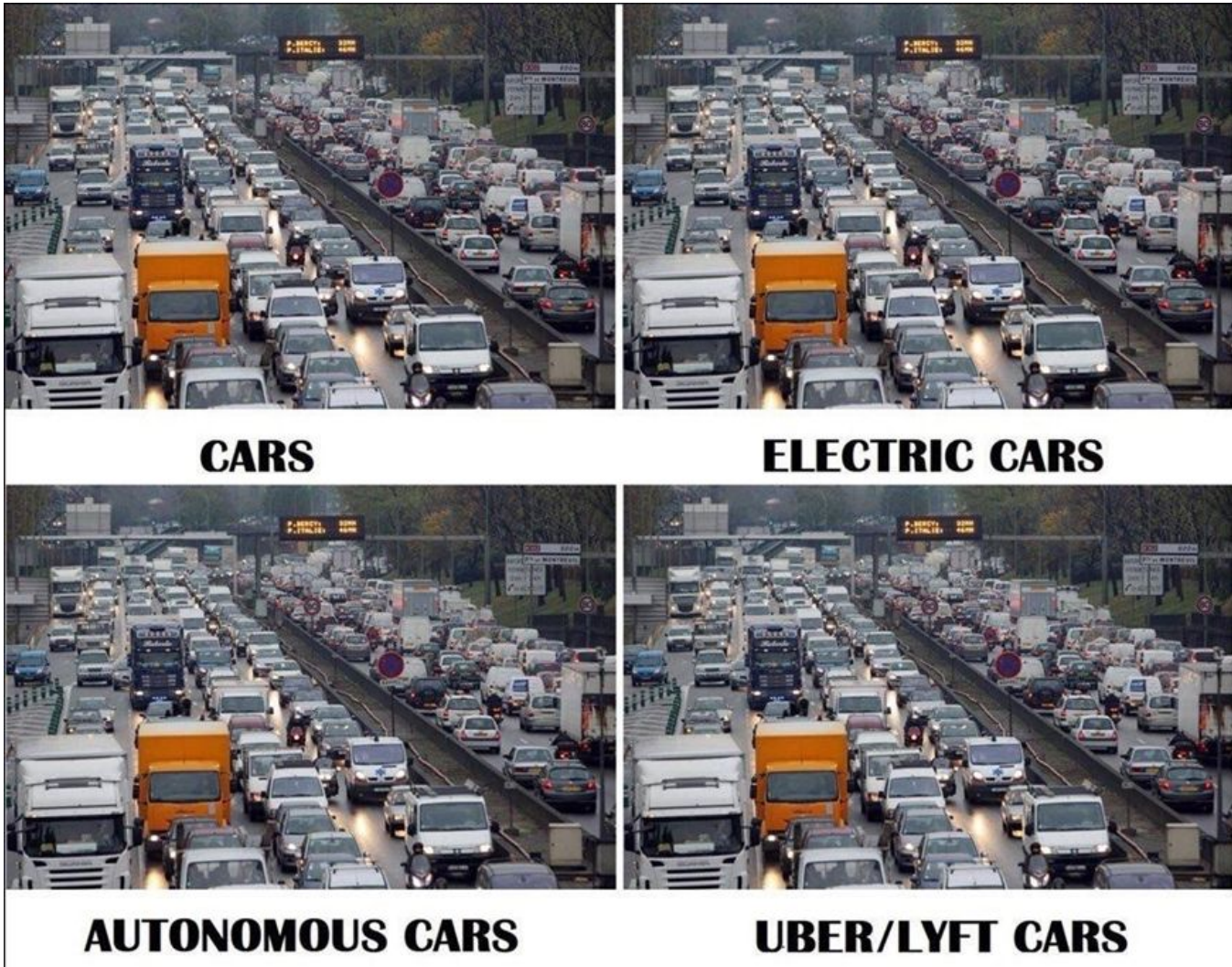
Results so far:

- More congestion
- Reversal of safety trends
- Higher VMT
- Declining transit use
- Runaway GHG emissions

Changes in vehicle technology



84 Million Trips on Shared Micromobility in 2018

Source: NACTO

Micro-Mobility Potential

PRESS RELEASES

INRIX: Shared Bikes and Scooters Could Replace Nearly 50 Percent of Downtown Vehicle Trips

New INRIX Research ranks the top U.S., U.K. and German cities where micromobility has the most potential

What's Next for Micro-Mobility

Different formats of micro-mobility

- ➔ Safer, sit down and bulkier scooters
- ➔ Riders and passengers
- ➔ Heavier E-bikes and more cargo space

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Automated Vehicle Shuttle Project

Driverless / Electric Shuttle
Multiple Sites Around Utah
Partnership with UTA

Project Goals:

- Explore capability as a first-mile / last-mile solution
- Understand operational characteristics / parameters
- Discuss autonomy with the public
- Understand “trust”

www.avshuttleutah.com

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Connected Vehicle Technology

Transit Signal Priority Partnership with UTA

Project Goals:

- Improve transit schedule reliability
  - Achieved 6% improvement
- Demonstrate the technology

- Other uses: snow plow preemption (improve safety and efficiency)

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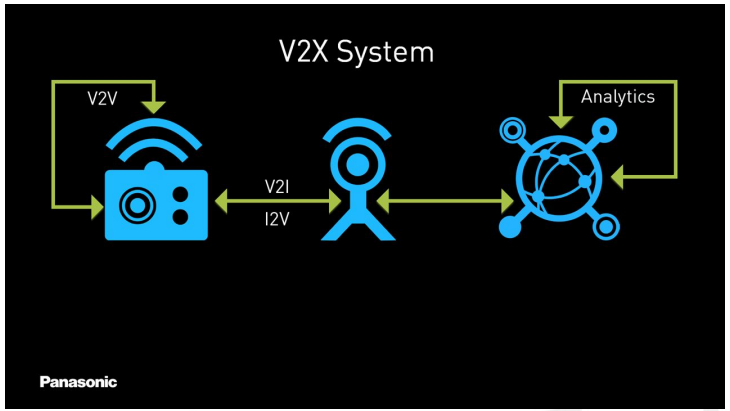
Connected Vehicle Data Ecosystem



Leveraging Transportation Data Partnership with Panasonic

Project Goals:

- Technology will move us to Zero Fatalities
- Improve mobility with real-time, actionable data
- Support broad deployment of automated and connected vehicles

V2X: “X” includes pedestrians, bicyclists, etc.

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