LIVING STREETS
Innovations in av technology could inspire a greener, safer and radically pedestrian-centric streetscape.
THIS ISN'T ABOUT CARS, IT'S ABOUT THE CITY
LIVINGSTREETS

HEALTHY

RADICALLY PEDESTRIANS

equitable
READY OR NOT, BIG CHANGE IS COMING
THE CHALLENGE: ACCESS & EQUITY
AUTONOMOUS VEHICLES COULD BE OUR ONLY HOPE
EACH LINE REPRESENTS A DEADLY CRASH ON PORTLAND STREETS

2004-13, SOURCE: ODOT

What was the primary cause of the crash?

- Speeding
- Did not Yield
- Person illegally in roadway
- Other
- Reckless driving
- Ignored traffic signal
- Crossed center line
- Improper lane change
- Ran stop sign
- Person's clothing not visible
- Followed too closely
- Improper turning
- Inattention
- Drowsy driver
- None
- Wrong way driving
- Improper overtaking

What did the vehicle crash into?

- Person walking
- Fixed object
- Motor vehicle
- Person on bicycle
- Parked vehicle
- Overturned
- Non-collision

Were drugs or alcohol involved?

- Alcohol
- Drugs
- Alcohol & Drugs
- Neither

What was the posted speed limit?

- 55 MPH
- 50 MPH
- 45 MPH
- 40 MPH
- 35 MPH
- 30 MPH
- 25 MPH
- 20 MPH
- Not listed

Was it at an intersection?

- Not an intersection
- Intersection
- Not listed

Day or night?

- Dusk
- Night
- Unknown
- Dawn
- Day

Designed by: Paste in Place

PBOT, PASTE IN PLACE
ARE WE HEADED FOR HEAVEN OR HELL?
Three Revolutions in Urban Transportation

Business-as-Usual Scenario
20th Century Technology

Through 2050, we continue to use vehicles with internal combustion engines at an increased rate, and use transit and shared vehicles at the current rate, as population and income grow over time.

2 Revolutions (2R) Scenario
Electrification + Automation

We embrace more technology. Electric vehicles become common by 2030, and automated electric vehicles become dominant by 2040. However, we continue our current embrace of single-occupancy vehicles, with even more car travel than in the BAU.

3 Revolutions (3R) Scenario
Electrification + Automation + Sharing

We take the embrace of technology in the 2R scenario and then maximize the use of shared vehicle trips. By 2030, there is widespread ride sharing. Increased transit performance—with on-demand availability—and strengthened infrastructure for walking and cycling, allowing maximum energy efficiency.

Number of Vehicles on the Road by 2050

- Business-as-Usual Scenario: 2.1 billion vehicles
- 2 Revolutions Scenario: 2.1 billion vehicles
- 3 Revolutions Scenario: 0.5 billion vehicles

UC Davis
PORTLAND STREETS

HIGHWAYS
ARTERIALS
COLLECTOR STREETS
LOCAL STREETS
PORTLAND STREETS
HIGHWAYS
ARTERIALS
COLLECTOR STREETS
LOCAL STREETS
PORTLAND STREETS
TUNING THE SYSTEM
TYPICAL STREET
60 FOOT R.O.W.

30% PEOPLE
TRANSITIONAL STREET

60 FOOT R.O.W.

SIDEWALK  BIKE LANE  TRAVEL LANE  TRAVEL LANE  PARKING  SIDEWALK
FUTURE STREET

60 FOOT R.O.W.

PEDESTRIAN ZONE | BIKE LANE | TRAVEL LANE | DROP OFF | SIDEWALK