



VI. New Business

c. Walkability Action Institute



What's "Walkability," anyway???

A measure of how friendly an area is to walking





Why should we want Walkability?



Source: Age-Friendly Honolulu

1. Pedestrian Safety
2. Public Health
3. Equity
4. Infrastructure Cost
5. Prosperity



1. Traffic Safety

Oahu Pedestrian Fatalities



U.S. Pedestrian Fatalities





1. Traffic Safety

Local News

Oahu sees dramatic spike in pedestrian deaths, distractions on roads

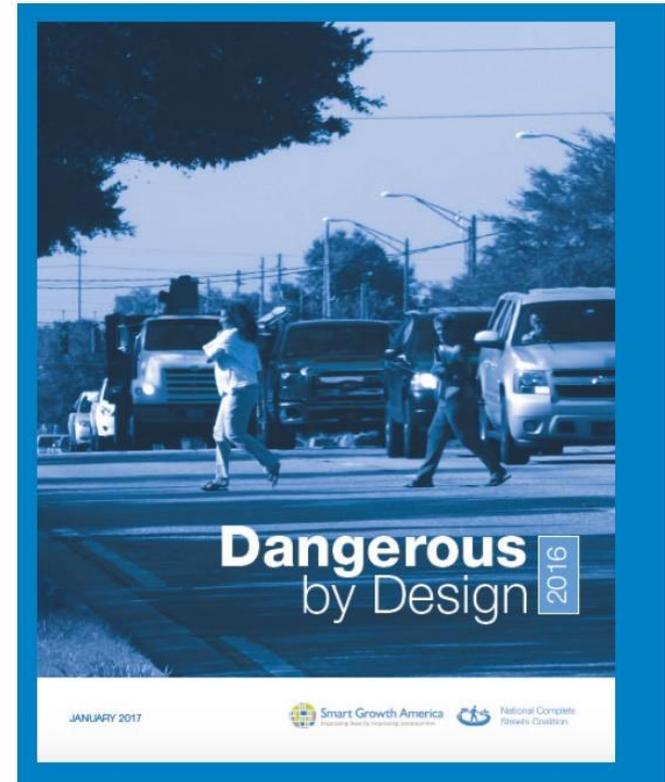
By: Sara Mattison

Posted: Feb 26, 2018 05:41 PM HST

Updated: Feb 26, 2018 05:41 PM HST



We're just two months into the new year and there's already been a dramatic increase on Oahu with the number of people killed while crossing the street.



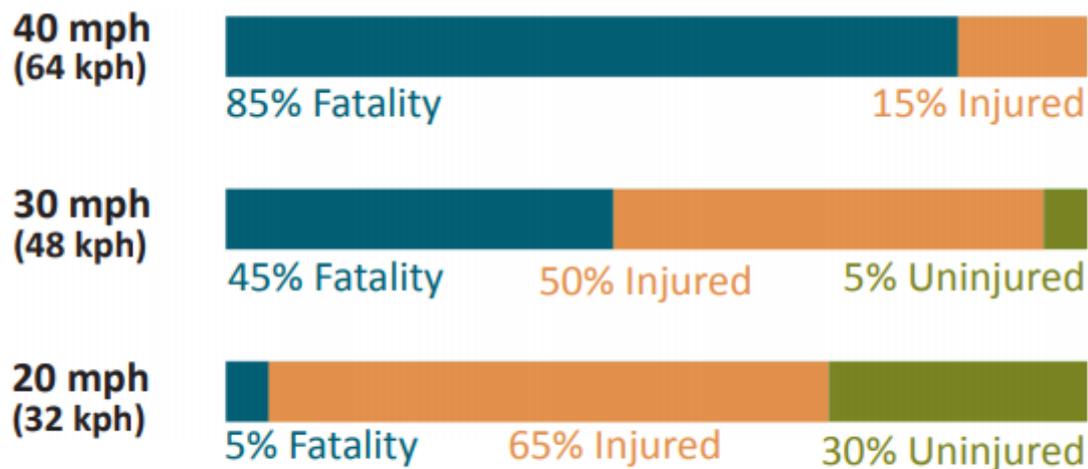
Local News

Report: Hawaii is the most dangerous state for pedestrians over 65



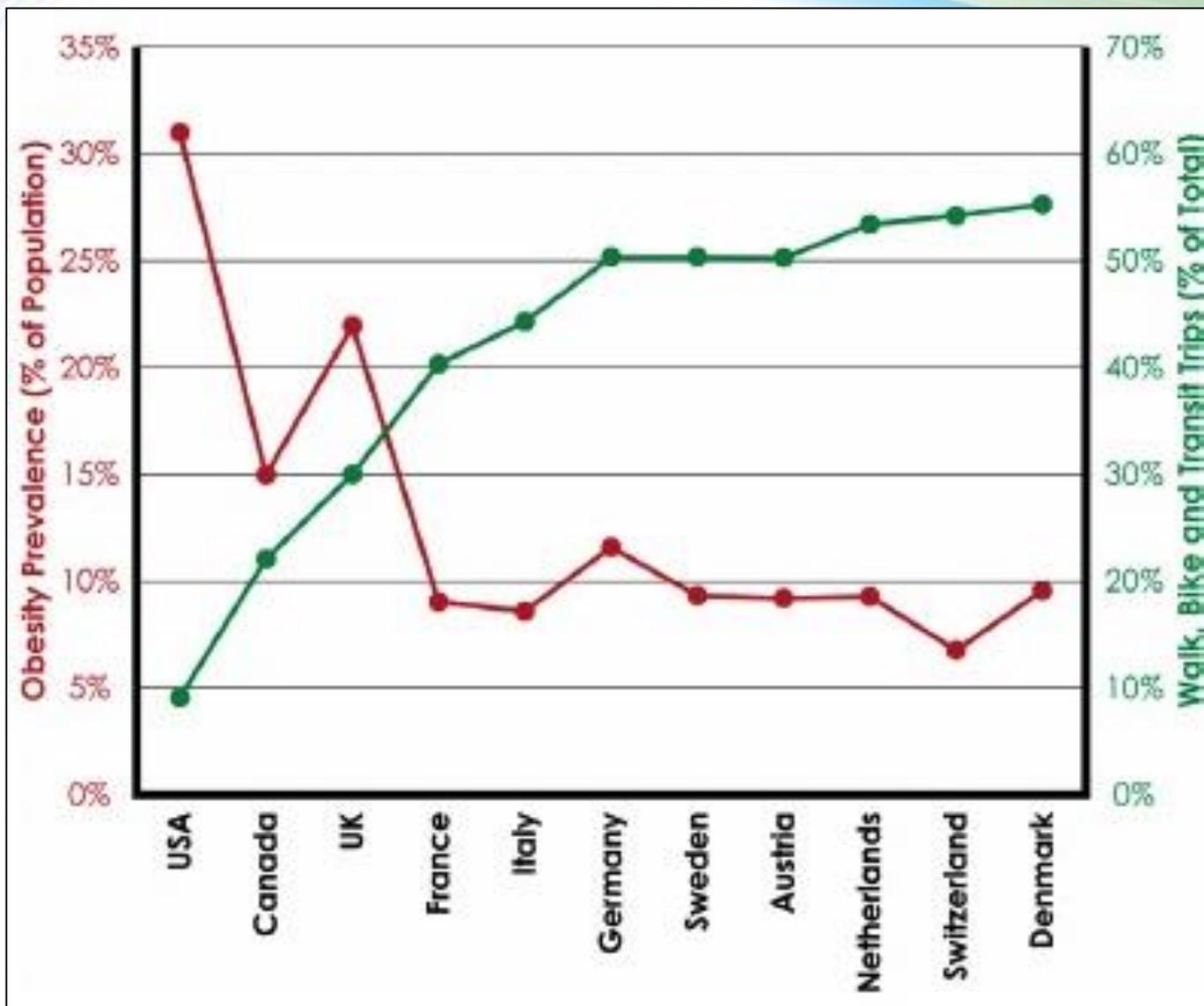
1. Traffic Safety

Pedestrian Fatalities at Different Collision Speeds





2. Public Health



2. Public Health

**In 1969,
50% of American children
walked to school**

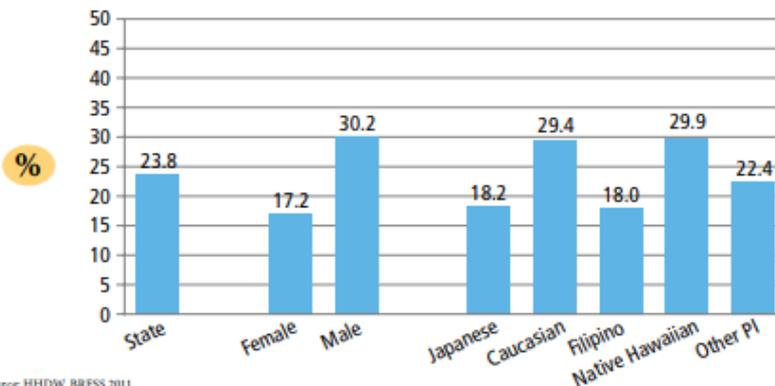


**In 2006,
just 15% walked to school**



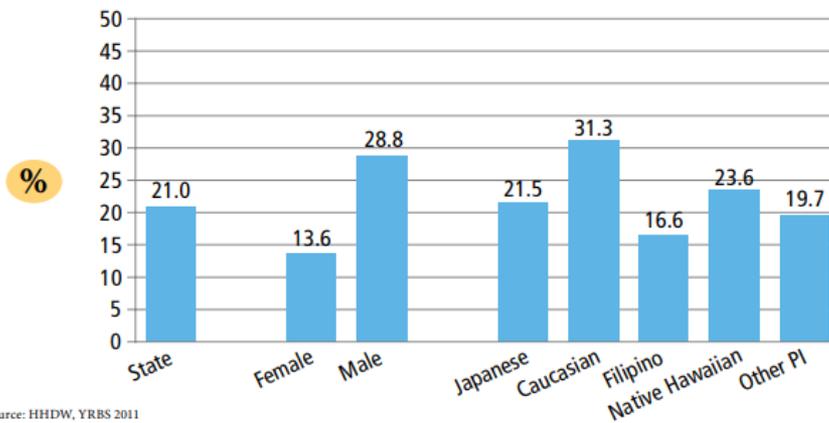
2. Public Health

Adults Meeting Aerobic & Strengthening Physical Activity Recommendations



Source: HHDW, BRFSS 2011

High School Students Meeting Aerobic Physical Activity Recommendations



Source: HHDW, YRBS 2011

3. Equity





3. Equity

Average cost to own and operate a vehicle (2013):

10,000 miles/year:	\$ 7,835 per year
15,000 miles/year:	\$ 9,122 per year
20,000 miles/year:	\$ 10,347 per year

Component costs (15,000 miles/year):

Taxes/registration	\$ 611
Insurance	\$ 1,029
Gas	\$ 2,168
Maintenance	\$ 896
Financing	\$ 848
Depreciation	\$ 3,571
TOTAL	\$ 9,122

*Cost in
Hawaii:
\$12,710!!*



4. Infrastructure Cost

City of Columbia (2014):

- Annual road repaving budget: \$2 million
- Total cycle time (650 miles of roads): 47 years

USA road conditions (2008-2011):

- Roads in “good condition” fell from 41% to 37%
- Roads in “poor condition” rose from 17% to 21%
- Deferred maintenance rose from \$860 billion to \$904 billion

Trips taken in the USA:

- Less than 1 mile: 25%
- Less than 3 miles: 50%

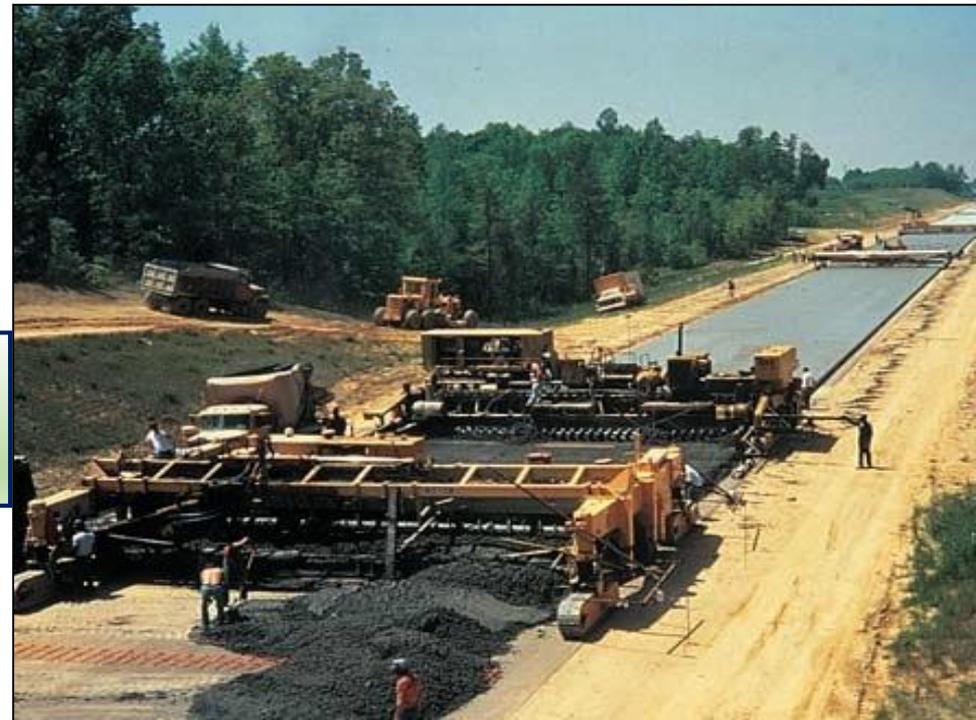


4. Infrastructure Cost



**Cost of a 5' wide sidewalk:
\$100,000 - \$500,000 per mile**

**Cost of a 4-lane highway:
\$4 million - \$20 million per mile**





5. Prosperity

**Vanderbilt Avenue
Brooklyn, NY**



BEFORE

March, 2007

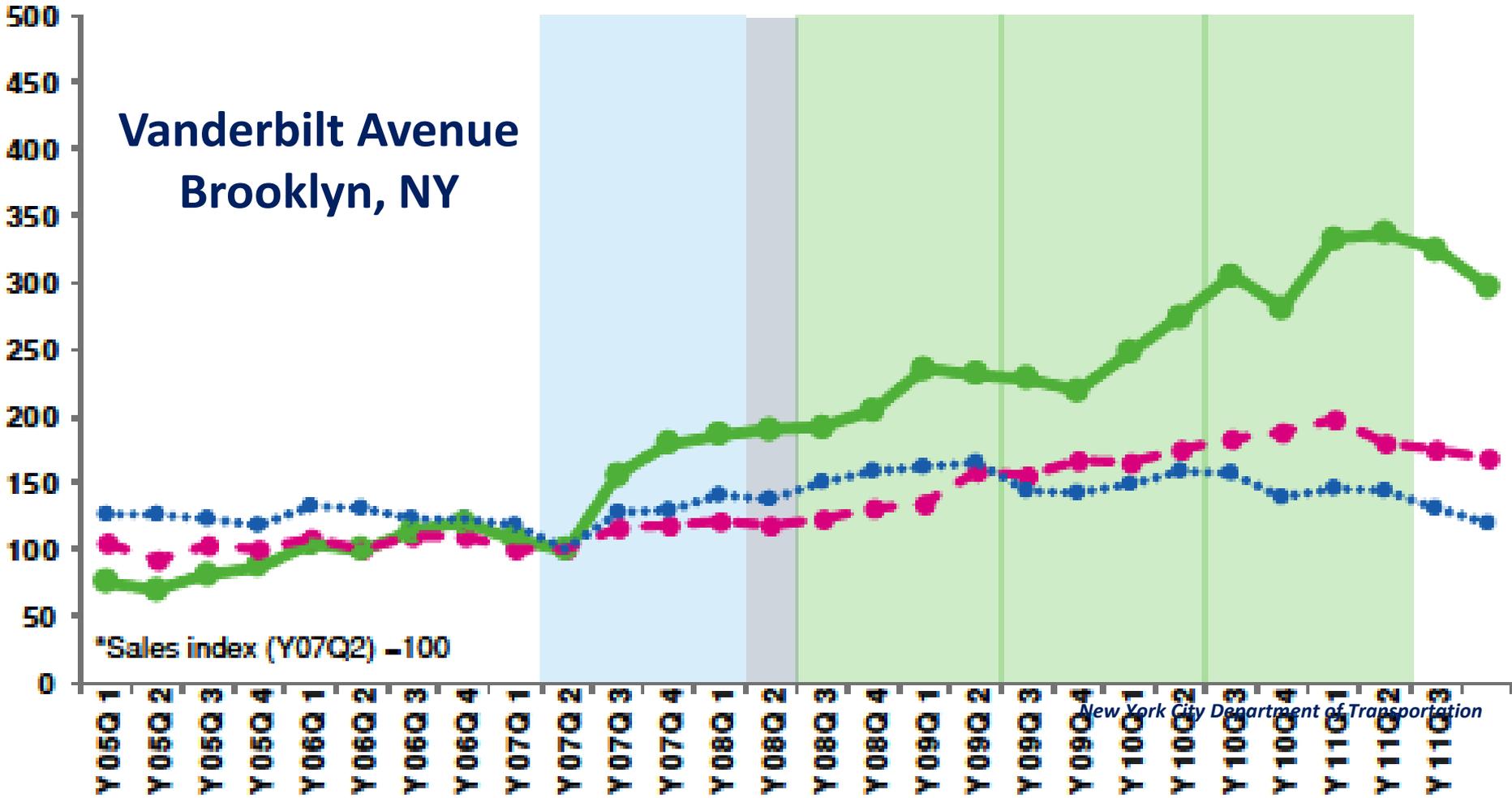


AFTER

July, 2007



5. Prosperity





Walkability Action Institute 2017

- National competition
- Organized by National Association for Chronic Disease Directors
- Sponsored by the Centers for Disease Control
- Goal: link transportation planning and public health outcomes.



Tufts University



Active Living By Design



Lakeshore Foundation/NC HPAD



Toole Design Group



Tenn. DOH



Tanner Health System



City of Decatur



National Association of Realtors



Rutgers University



America Walks



CDC



Who went?

DTS
(Mike Packard)

DOH
(Heidi Hansen-Smith)

City Council
(Brandon Elefante)

Hawaii Bicycling League
(Daniel Alexander)

DOH
(Danielle Schaeffner)

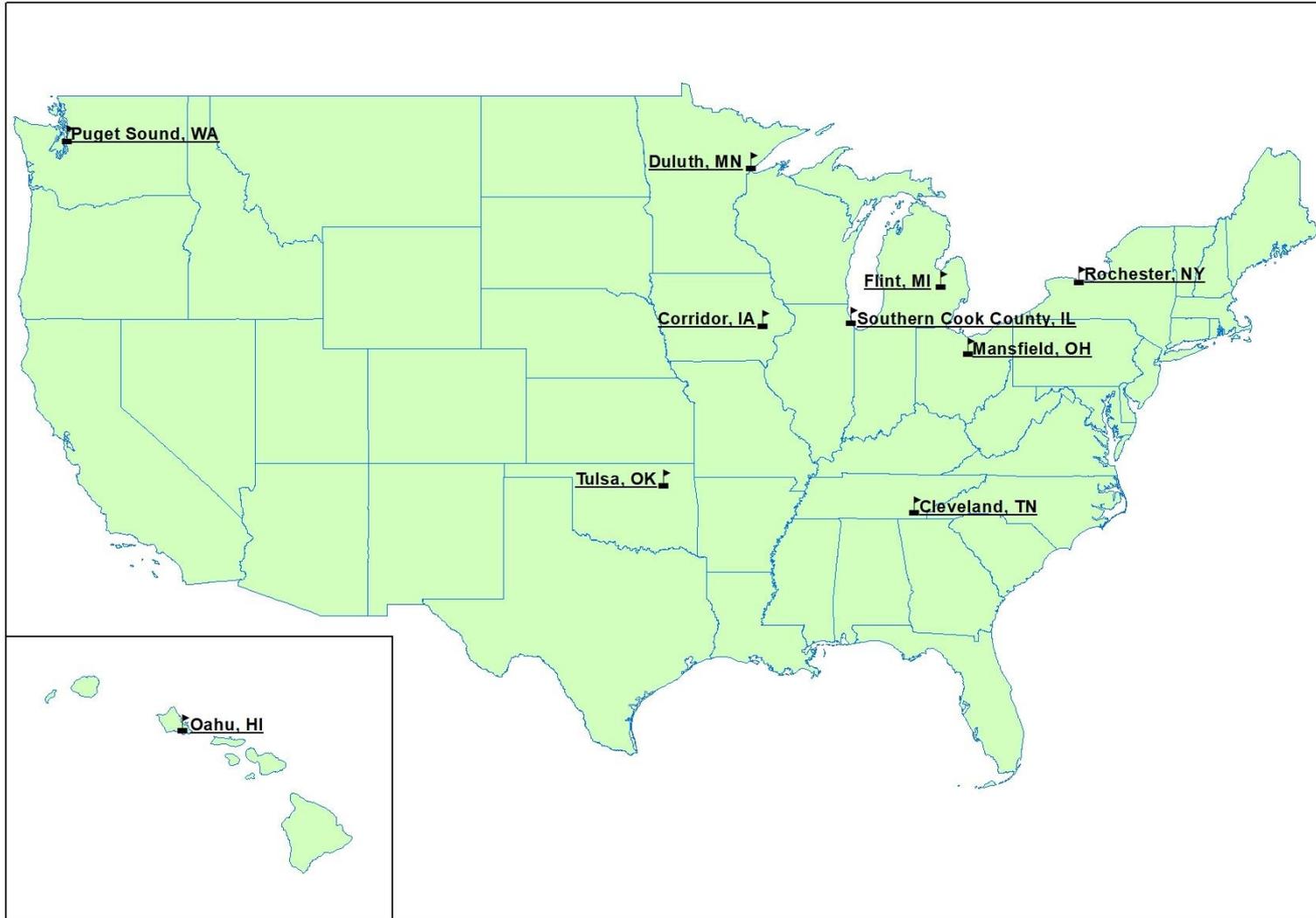


OahuMPO
(Amy Ford-Wagner)

(photographer)



Oahu was one of ten winners!





The Agenda

Three non-stop days of lecture, site visits, applied activities





Oahu's Walkability Action Plan!

*Funded!
In
progress!*

- **Goal #1**: Create Pedestrian Master Plan for City and County of Honolulu by September 2019.
- **Goal #2**: Identify needs and opportunities for data collection and maintenance to support, inform, and evaluate active transportation plans and projects.
- **Goal #3**: Establish and implement performance measures that support health-related outcomes of transportation.
- **Goal #4**: Identify and implement public outreach improvements to be inclusive of all of Oahu's diverse populations, responsive to local concerns, and reflective of local needs.



What does this have to do
with OahuMPO?

ORTP: Can we *envision* a
walkable Oahu?

TIP: Can we *fund* a
walkable Oahu?



Example: Nashville MPO

➔ 2040 Roadway Projects Scoring Criteria – 100 points

- Quality Growth and Sustainable Development – 15pts
- Multi-Modal Options – 15pts
- Health & Environment – **15pts**
- Safety & Security – **20pts**
- Congestion Management – **15pts**
- System Preservation & Enhancement – 10pts
- State & Local Support/ Investment – 5pts
- Freight & Goods Movement – 5pts



Funding: Urban STP Investment Strategy

- **70% - Roadway projects that improve health**
- 15% - Active Transportation Program
 - Sidewalks, bicycle lanes, greenways, transit stops; education, enforcement and encouragement
- 10% Mass Transit Program
 - Combined with FTA funds to help implement regional vision for mass transit
- 5% Regional ITS and Systems Operations Program
 - Using technology to manage traffic



Measure Outcomes

Active Transportation Projects:

- 2030 RTP: 2%
- 2035 RTP: 67%
- 2040 RTP: 77%

2009 to 2014 Miles of:

Sidewalks: 57% increase

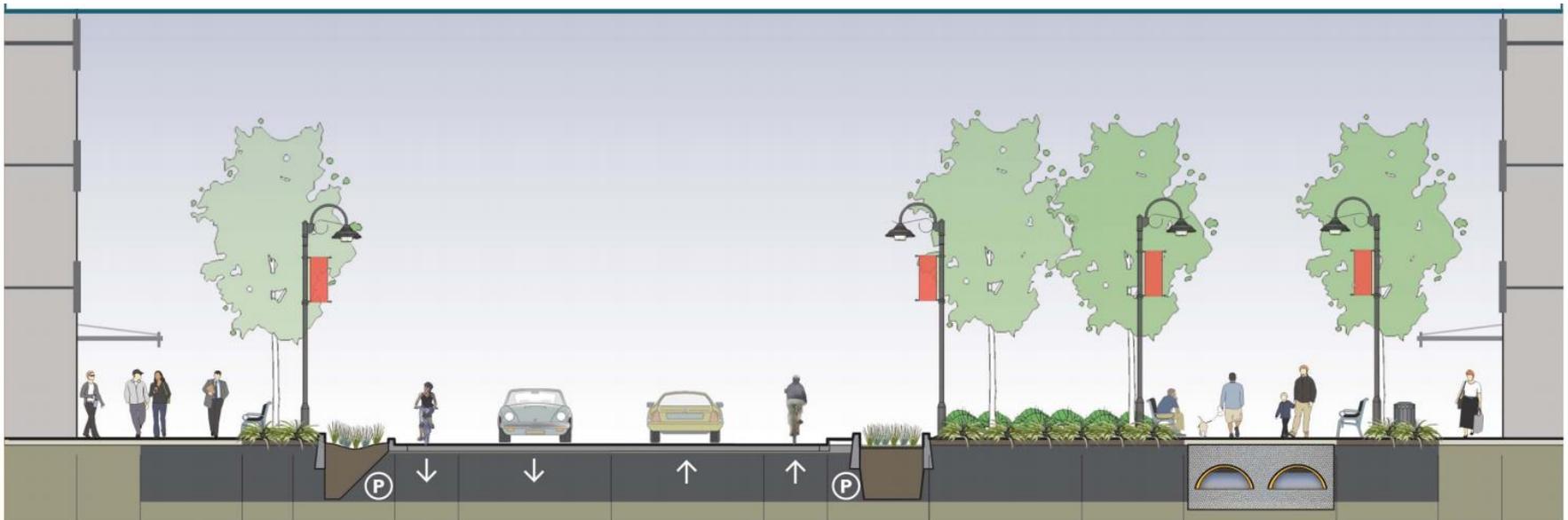
Bikeways: 19% increase

Greenways: 36% increase



Walkability and Oahu's Goals

- Energy?
- Public Health?
- Environment?
- Environment?
- Cost of living?
- Other?





MAHALO!

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