



THE BENEFITS OF **[HEALTH & COMMUNITY]**



Cyclists are a diverse group. Some of us ride fat tires down rocky trails, some of us ride road bikes up burly hills, some of us ride for sport and some of us ride just for fun. Some ride for the adrenatine rush and some ride their bikes for basic transportation.

Bicycling, along with being the most efficient mode of human locomotion, is also one of the best all-around activities for improving our health and communities.

www.atlantablke.org

www.peoplepoweredmovement.org





OF AMERICANS SAY THEY WOULD LIKE MORE BIKE FACILITIES IN THEIR COMMUNITIES.

Source: National Highway Traffic Safety Administration



BALANCE

Cycling produces the balance between exertion and relaxation which is so important for the body's inner equilibrium.

HEART

All the risk factors that lead to a heart attack are reduced and regular cycling reduces the likelihood of heart attack by more than 50%.

COORDINATION

Moving both feet around in circles while steering with both your hands and your body's own weight is good practice for your coordination skills.



Cycling has a relaxing effect due to uniform, movement which stabilizes physical and emotional functions. It reduces anxiety, depression and other psychological problems.

Cycling posture is optimum, and the cyclic movement of the legs stimulates muscles in the lower back.

WAISTLINE

Cycling is ideal for targeting problem areas. It enables people who can not move easily to exercise. It increases fitness and stimulates the body's fat metabolism.



Studies have shown that homes closer to bike paths are more valuable.

Source Blues Beiong Foundation

THE AVERAGE PERSON WILL LOSE 13 LBS IN THEIR FIRST YEAR OF RIDING TO WO

Source Owldow Foundation, 2010



ONA







TRIP



OF TEN



MILES.



CYCLISTS



SAVE



More than three times as many new bicycles (14.9 million) are sold in the U.S. each year than cars (4.6 million)

Source: National Bioycle Dealery Association, 2010

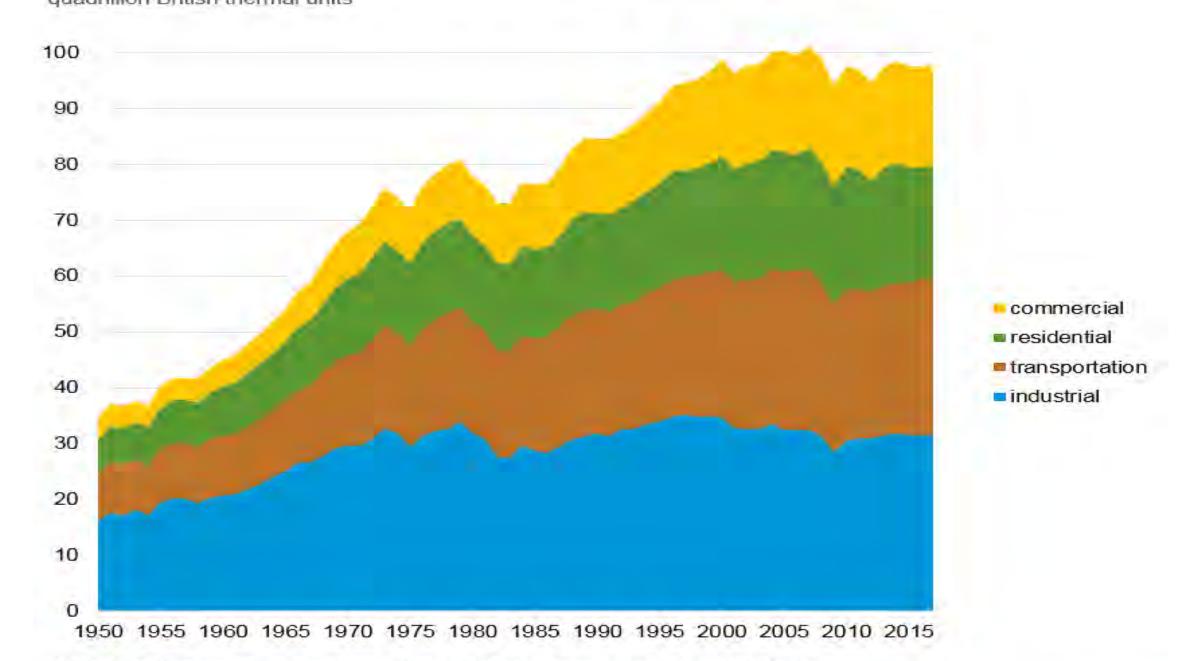


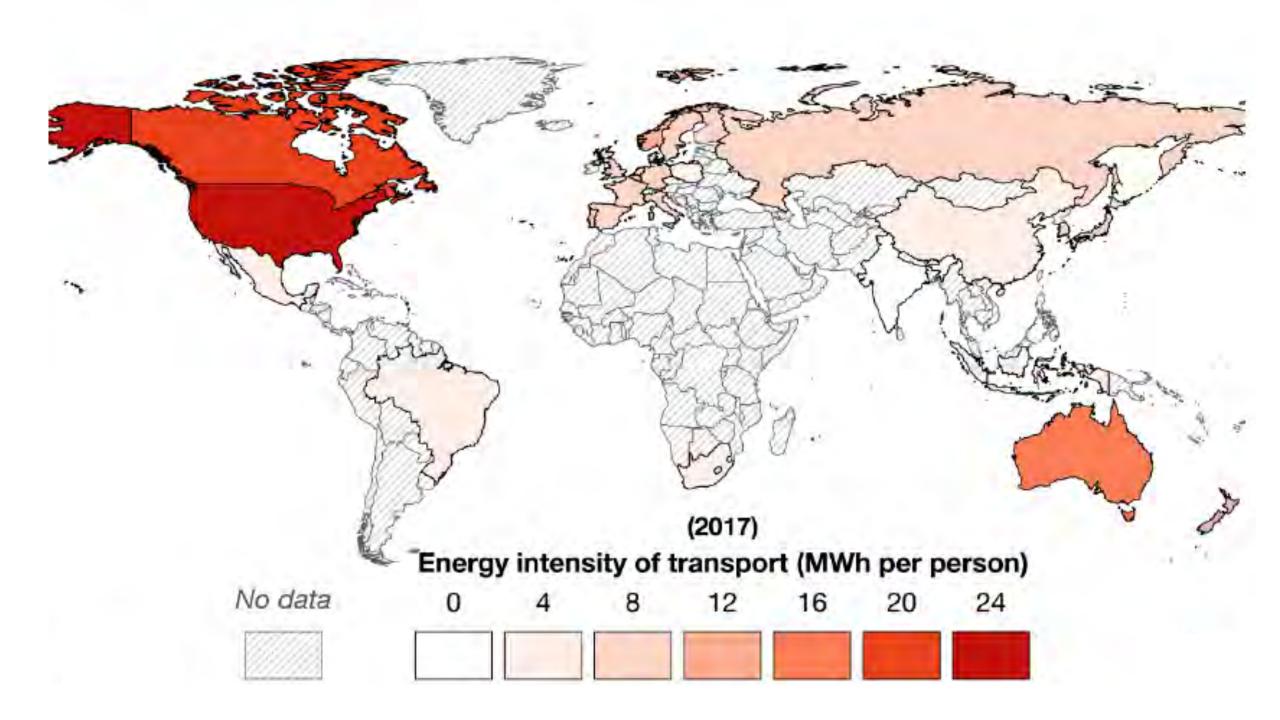
POPULATION OF THE EARTH



Source: United Nations World Population Prospects, Deutsche Stiftung Weltbevölkerung

U.S. total energy consumption by end-use sector, 1950–2017 quadrillion British thermal units









Berkeley Bike/Ped Bridge

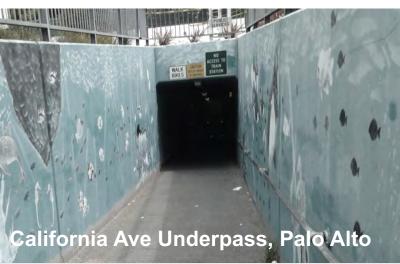


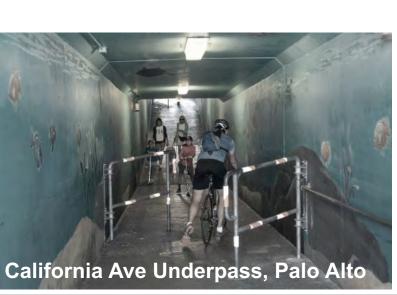


Berkeley Bike/Ped Bridge





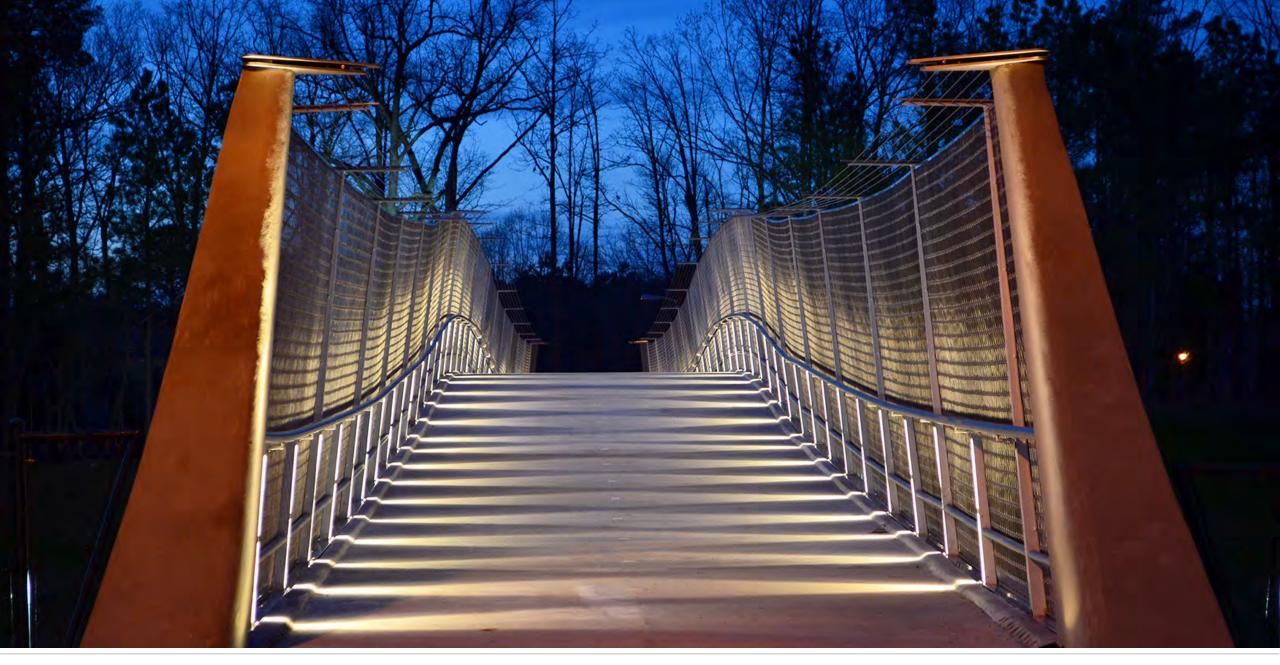


















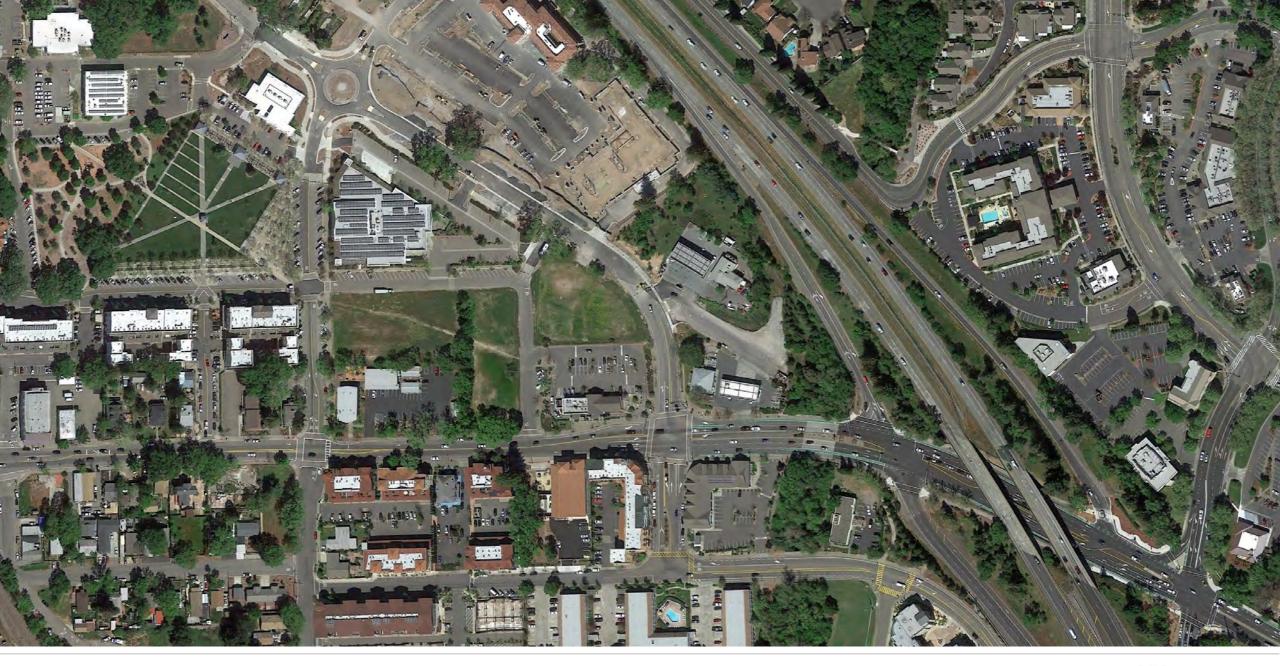






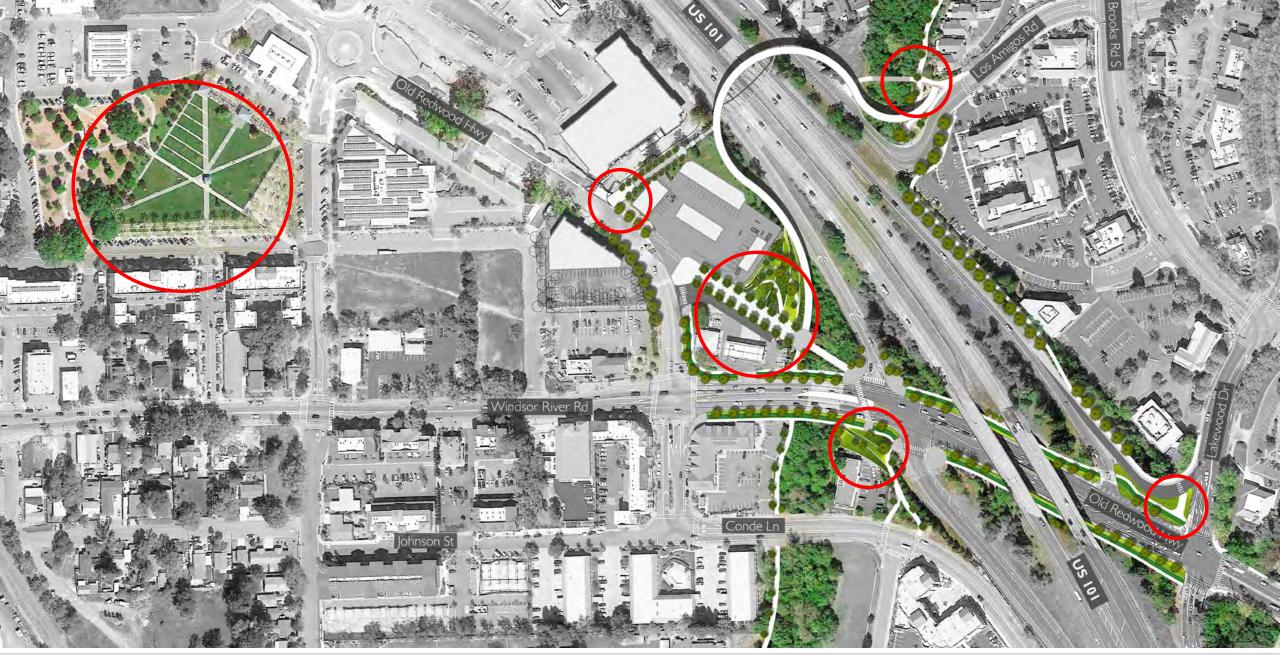
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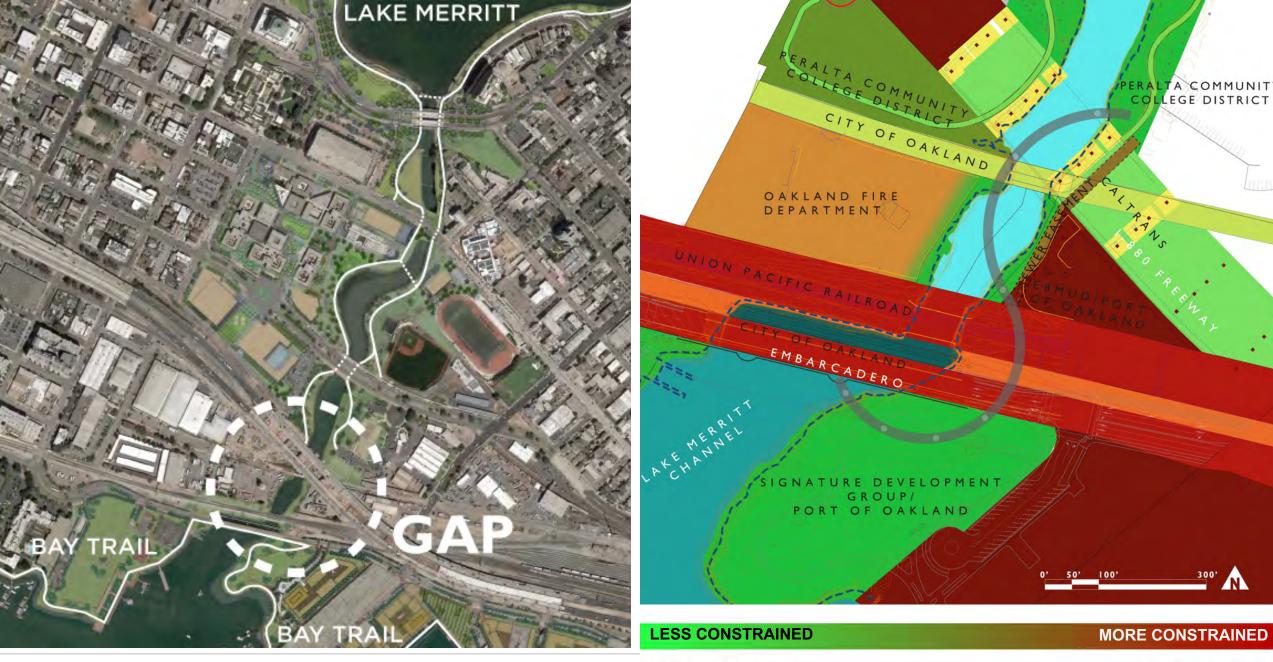
Adobe Creek, Palo Alto CA



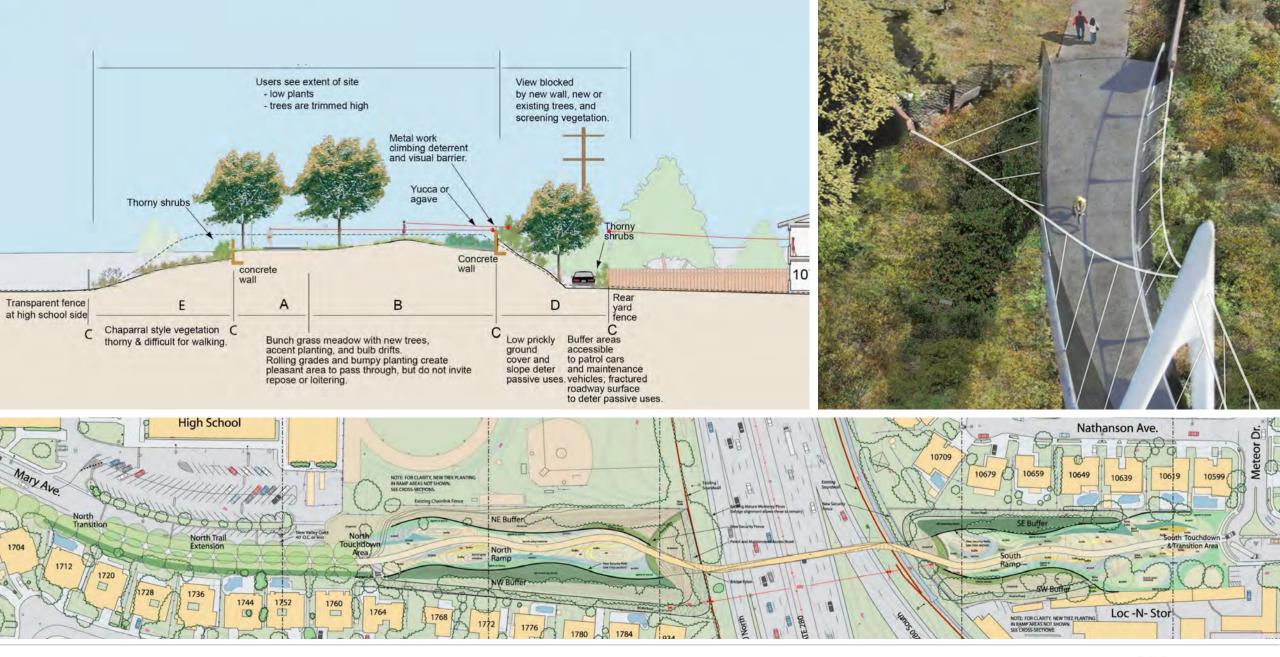












SHARED-USE FACILITIES FOR PEDESTRIANS & CYCLISTS **BEST PRACTICES**

London, UK



Copenhagen, Denmark



Malmo, Sweden



Modes Separated?

Pedestrians and Cyclists

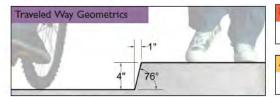
Angled or Vertical Curb?

Angled

Project or Regional Standard

Regional Standard

"Angled kerbs are more comfortable for disabled cyclists to negotiate than low, square-faced kerbs."



Documentation

Mayor of London, "The London Cycling Design Standards (LCDS).", Transport for London, 2014. Chapter 7 General Requirements, 05.

Modes Separated?

Pedestrians and Cyclists

Angled or Vertical Curb?

Project or Regional Standard?

Regional Standard

Troels Andersen et al., "Collection of Cycle Concepts 2012", Cycling Embassy of Denmark, Translated by Joan Høberg-

Documentation

Traveled Way Geometrics

Petersen, 2012, 64.

Notes

"Nearly all cycling infrastructure along major roads are what we call 'cycle tracks', with a curb separating bicycle traffic from car traffic and another curb separating bicycle traffic from pedestrians. Only 10 % of the on street infrastructure is "cycle lanes", where there is a curb to separate cyclists from pedestrians, but just a painted line to separate cyclists from cars." Niels Jensen, email message to Emily Marsh, October 22nd, 2015.

Figure: A protected bike lane in Copenhagen, Denmark. Photo: Jonathan Maus/BikePortland, April 17th, 2015, http://www. peopleforbikes.org/blog/entry/protected-bike-lanes-and-the-social-justice-of-urban-space

Modes Separated?

Pedestrians and Cyclists

Angled or Vertical Curb?

Project or Regional Standard?

Project

Documentation

Benders, "Offentliga Miljöer", 2015

Traveled Way Geometrics

"at some places (mainly in connection to an underpass) we've introduced the vertical separation with angled curb"

Figure: Benders, "Offentliga Miljöer", 2015, 110













BIKE LINK"

San Diego Trolley Station



Adobe Headquarters, San Francisco





THANK YOU!

SPUR Oakland | January 14, 2019

