

WPB TRANSPORTATION SOLUTIONS

Uyen Dang, PE
City Traffic Engineer



WEST PALM BEACH



@UyenDangerous



@ItsUyen



@uyendang

WPB is the 3rd largest city in the region

West Palm Beach
Pop: 103,588 (2015)
Area: 56.55 sq mi
Density: 1.880 / sq mi

Fort Lauderdale
Pop: 173,570 (2015)
Area: 34.7 sq mi

Miami
Pop: 440,989 (2015)
Area: 35.68 sq mi



Where's the beach?

Excellent Walkability!

Many sidewalks are narrow and cluttered with obstacles...

Walk Score
84

Bike Score
78

Downtown is the most walkable neighborhood in West Palm Beach with 7,163 residents.

Downtown is very bikeable.



Nowhere
for
people!

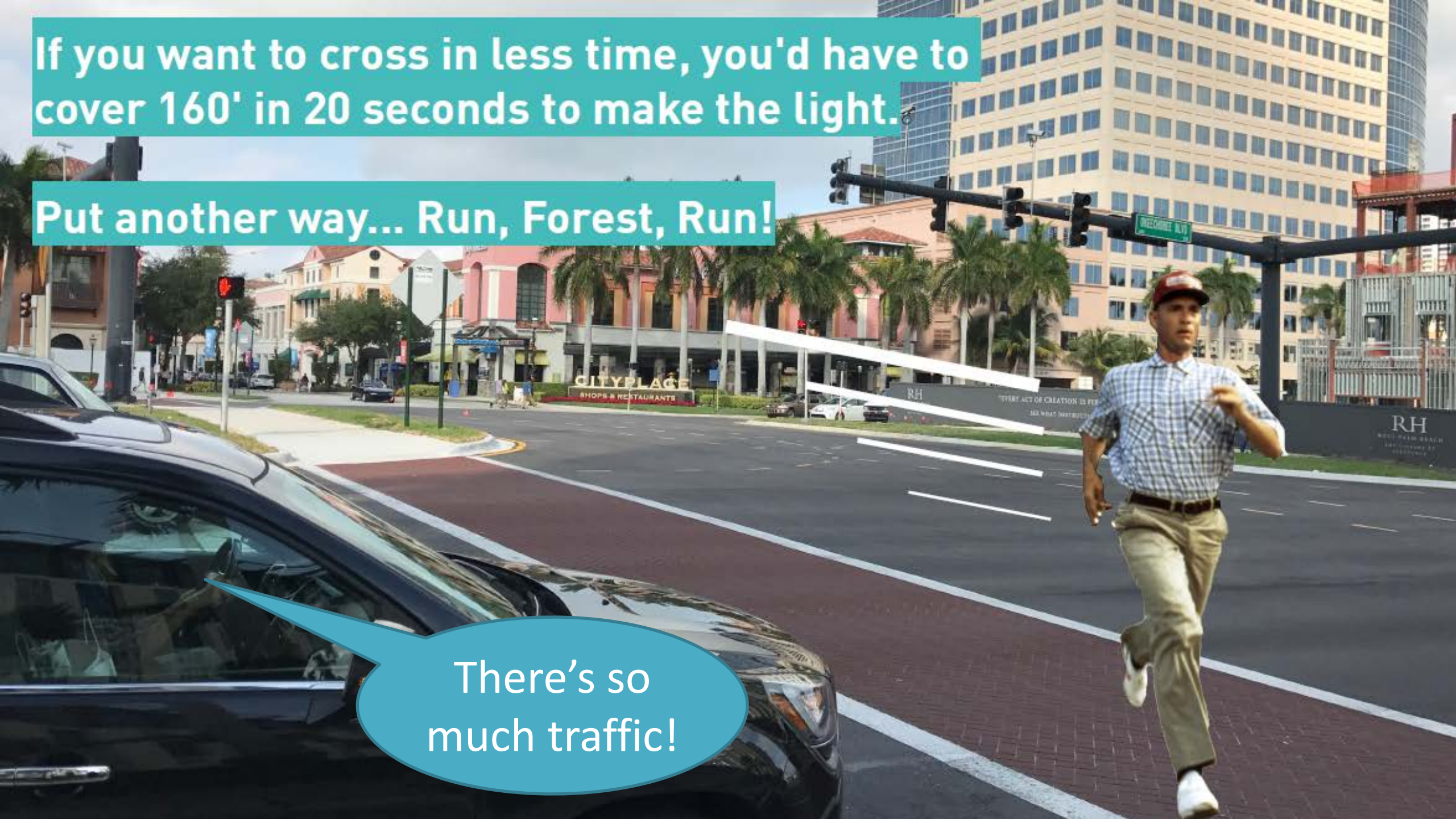
For cars

For poles

If you want to cross in less time, you'd have to cover 160' in 20 seconds to make the light.

Put another way... Run, Forest, Run!

There's so much traffic!



Fix the traffic!

Edmonton

Sign, sign, everywhere a sign: Edmontonians frustrated with barrage of street signs



'I like to describe it as being in a kaleidoscope on a traffic sign acid trip,' says Queen Alexandra resident

 [Kaylen Small](#) · CBC News · Posted: Jun 06, 2018 6:00 AM MT | Last Updated: June 9, 2018



SIGN IN NPR SHOP DONATE


NEWS ARTS & LIFE MUSIC SHOWS & PODCASTS SEARCH

NATIONAL

New York Is Set To Be First U.S. City To Impose Congestion Pricing

April 2, 2019 - 6:54 PM ET



 [LAUREL WAMSLEY](#)



After gaining approval from state lawmakers, New York will become the first U.S. city to levy fees on motorists who drive on some of its most congested streets. Here, traffic fills 42nd Street in Midtown Manhattan in January 2018.

Drew Angerer/Getty Images

Parking Supply and Demand



WEST PALM BEACH



The High Cost of Free Parking

DONALD SHOUP

A Planners Press Book



Updated by the author
Copyrighted Material



NO MORE PARKING!

2014 West Palm Beach Outlets

JULY 15TH, 2015



20 Year Anniversary



Reduce Demand; Reduce Congestion



EVAN DUCHARME/S.F. Examiner File PhotoBay Area Bike Share's proposed expansion to more than 7

San Francisco transit agency says drivers seeking parking account for 30 percent of traffic, but data questioned

EXAMINER STAFF / Sep. 17, 2013 12:00 a.m. / NEWS / THE CITY



John Grimm / Flickr

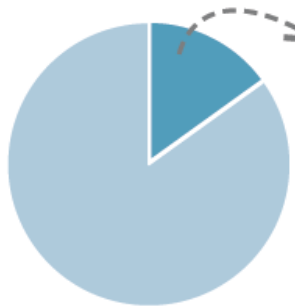
The Strongest Case Yet That Excessive Parking Causes More Driving

ERIC JAFFE JAN 12, 2016

What is the demand?

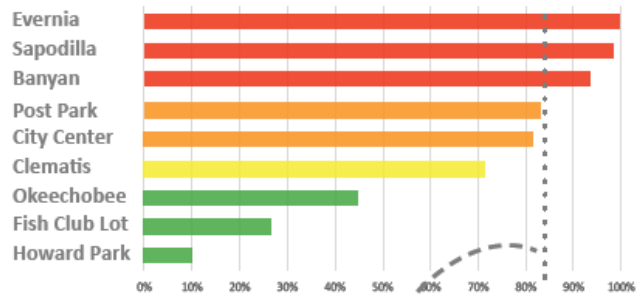
SURVEY RESULTS:

Convenience



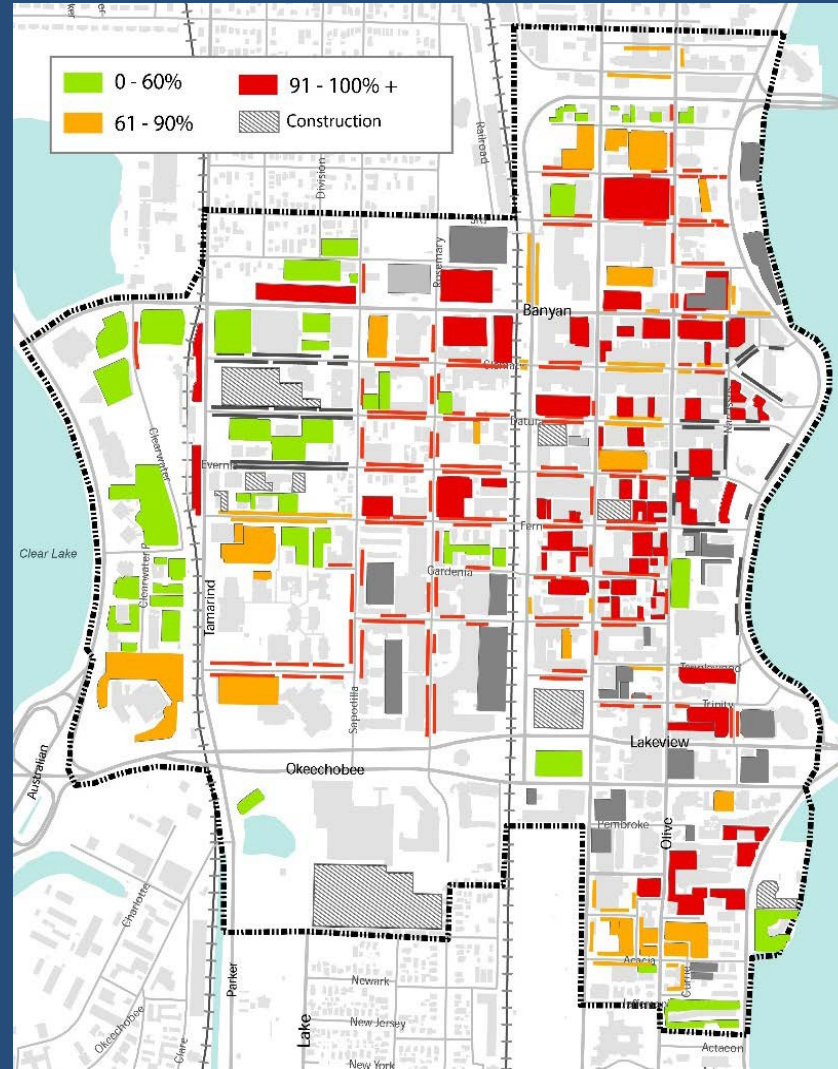
18% of total off-street supply is owned and operated by the Parking Administration, of which **373** spaces are reserved for residential or reserved parking

WEEKDAY PARKING DEMAND, by City parking



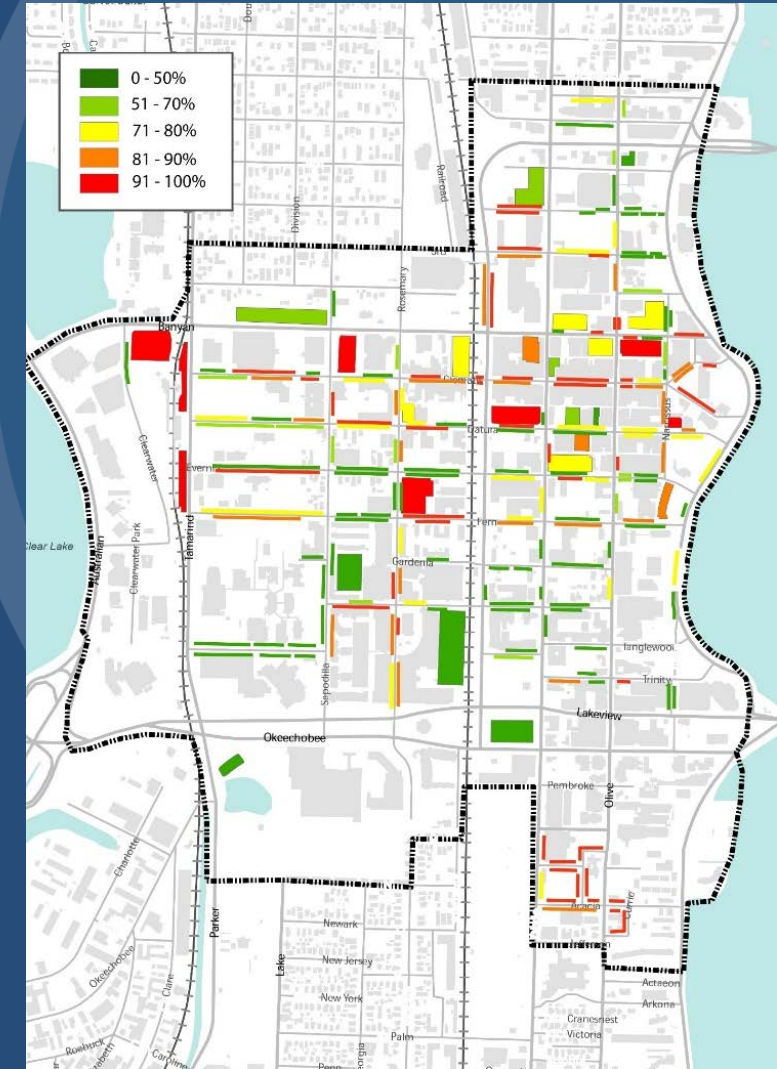
83%, average utilization rate system-wide

EVENTS



V.S.

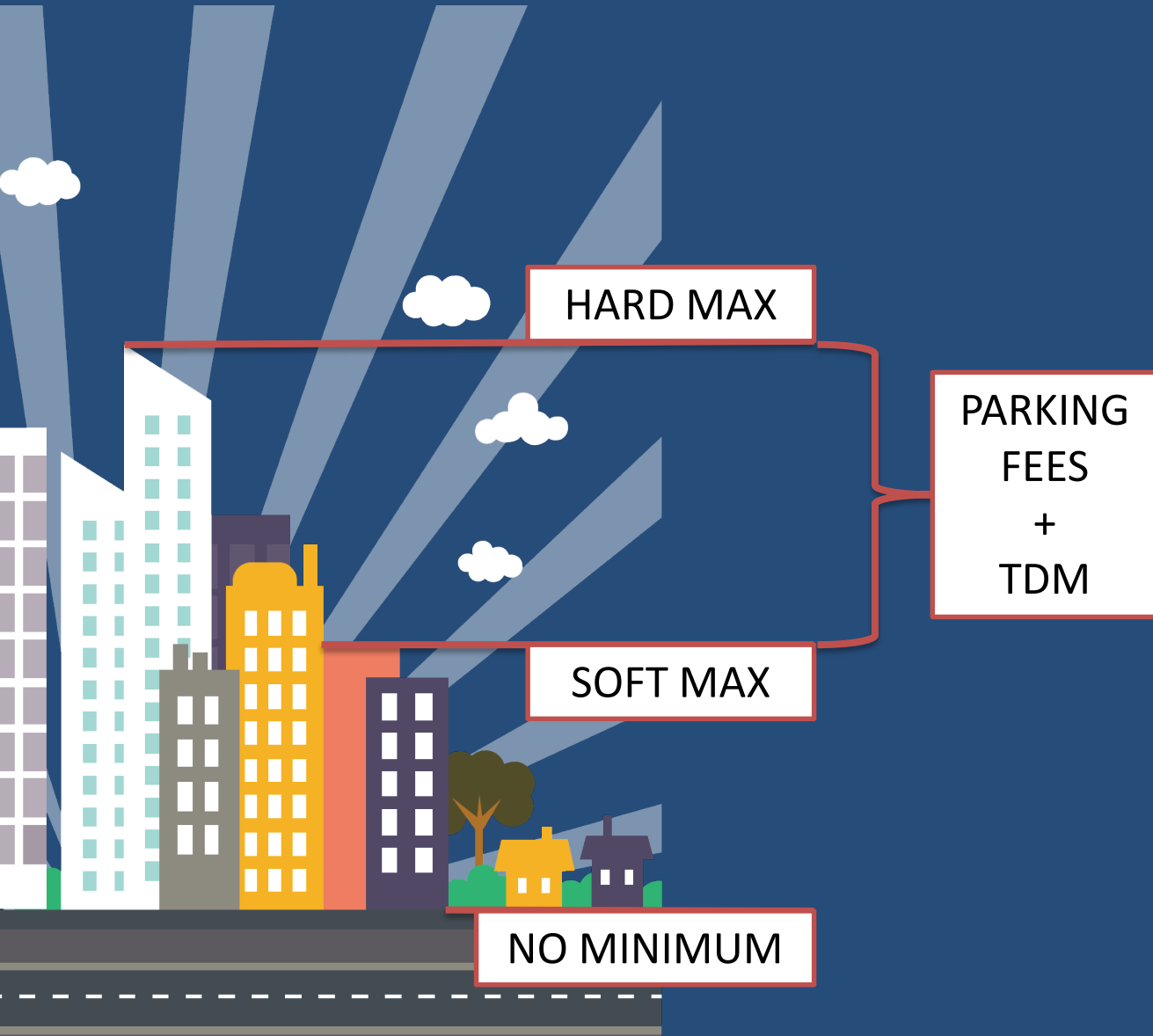
DAILY





**Parking
Minimums**

Parking Management Strategies



| | Soft MAX | Hard MAX |
|----------------------------------|-----------|-----------|
| Retail, Restaurant or Commercial | 0.75/1000 | 2.87/1000 |
| Office | 1/1000 | 2.47/1000 |
| Residential | 0.25/unit | 1.37/unit |
| Live/Work | 0.75/1000 | 2.87/1000 |

Offset Demand; Invest in Transit

Sick of traffic? Get cities to invest in bikes and mass transit, says report 3

New data on congestion shows how complete streets and a multimodal approach helps every commuter

By **Patrick Sisson** | Jun 11, 2019, 3:39pm EDT

   SHARE



A cyclist in Portland, Oregon. A new report on traffic congestion suggests that the city's investment in multimodal transit have helped lessen congestion and traffic jams. | Shutterstock

Ride-Hailing Services Add To Traffic Congestion, Study Says

August 1, 2018 · 7:25 AM ET
Heard on Morning Edition

DAVID SCHAPER



A study shows that ride-hailing services like Lyft and Uber contribute to traffic congestion.

Gene J. Puskar/AP

State judge sides with West Palm Beach on Okeechobee Business District

Effective Strategies for Congestion Management



BUY PHOTO

HIDE CAPTION

A judge has ruled in favor of the establishment of the Okeechobee Business District that includes a 25-story Class A office building near the First Church of Christ Scientist, bottom right, on Thursday in West Palm Beach. (CREG LOVETT/palmbeachpost.com)

Mode Shift – Free and Equitable Access

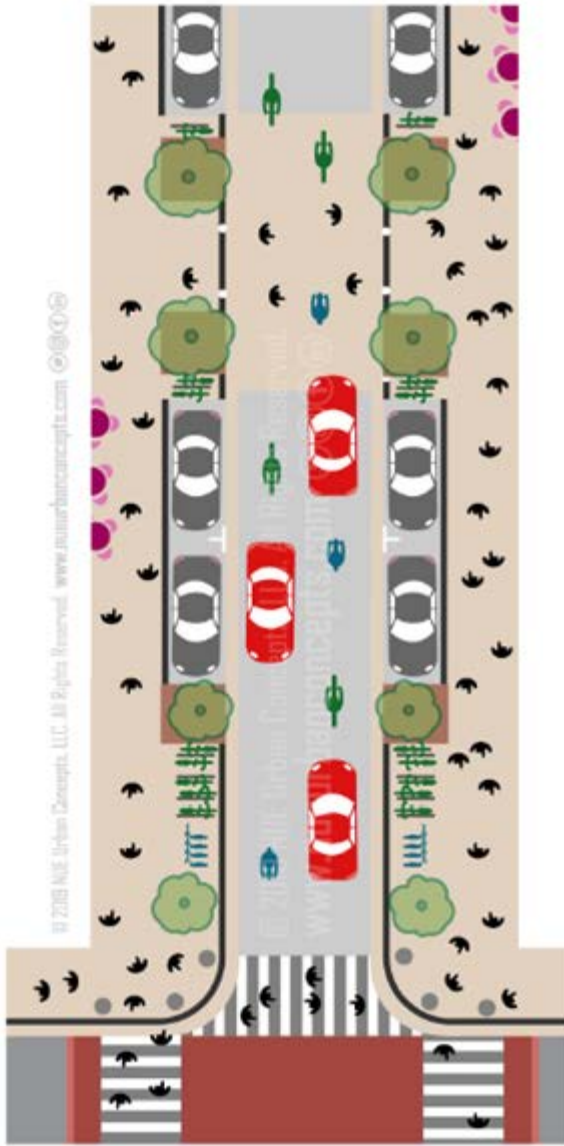
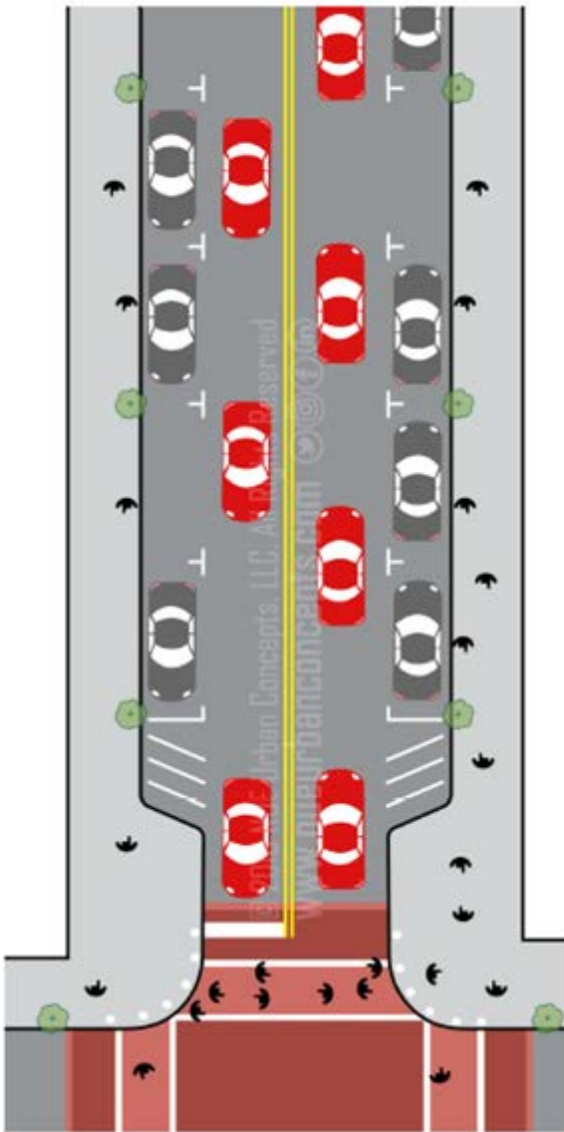
Transit Operation Funds
Excess Parking Revenue






22 years – 2040
Mobility Plan


Option: 10Yrs Trolley +
ATV



CAPACITY: From CARS To PEOPLE



| | | | |
|---|--------|----|---------------|
|  | 12,000 | x2 | 24,000 people |
|  | 2,400 | x2 | 4,800 people |
|  | 2,400 | x2 | 4,800 people |
|  | 360 | x8 | 2,880 people |
|  | 3,720 | x2 | 7,440 people |



Total Capacity:
43,920 people

Daily Capacity of a Car-Oriented Street Daily Capacity of a Shared Street

Spaces for People

