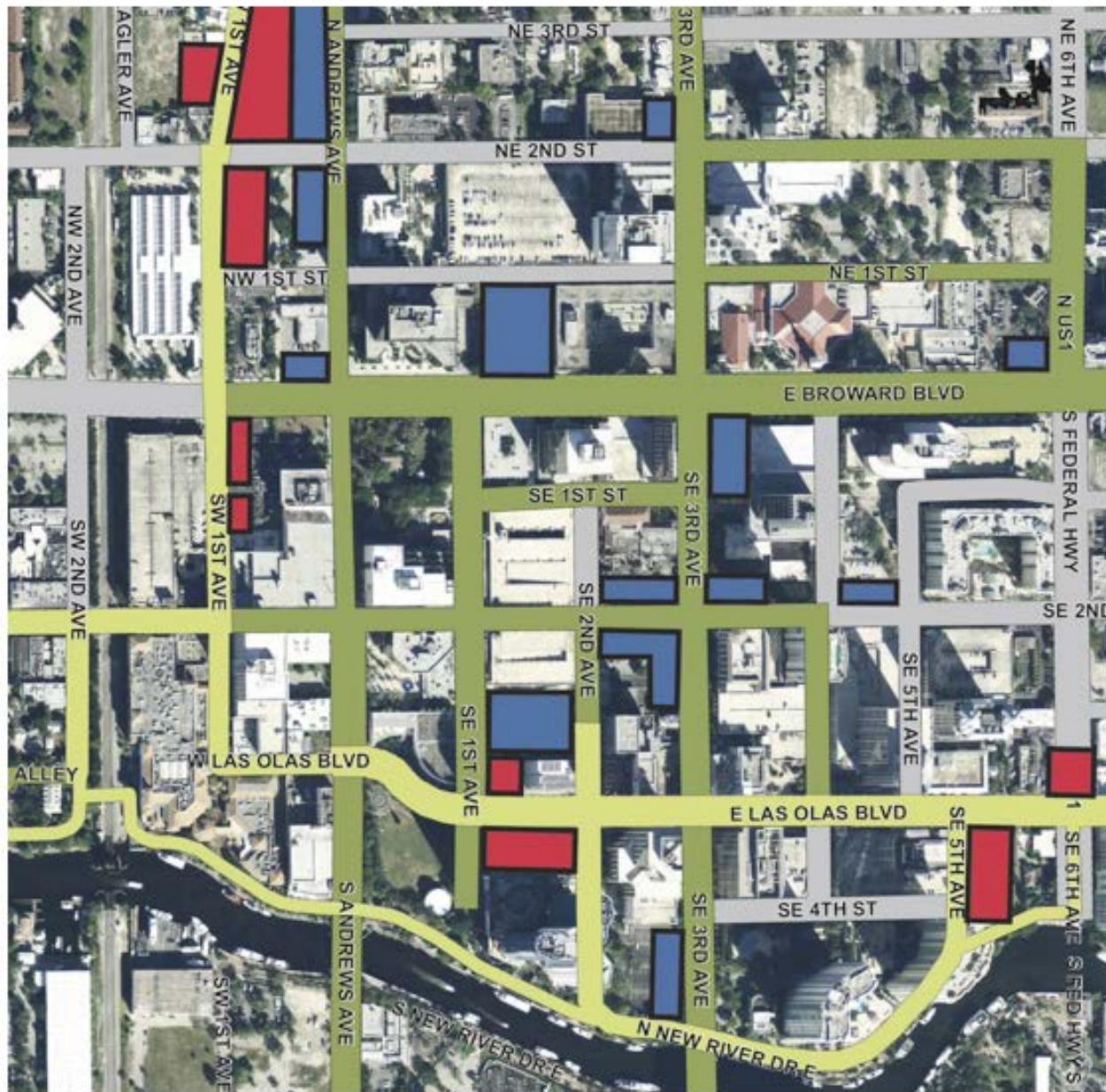# DOWNTOWN WALKABILITY ANALYSIS

FEBRUARY 5, 2013
FORT LAUDERDALE, FL

JEFF SPECK
AICP CNU-A LEED-AP Hon.ASLA

FORT LAUDERDALE
DOWNTOWN WALKABILITY ANALYSIS

IF A VITAL CITY IS FULL OF PEDESTRIANS. . .

IF A VITAL CITY IS FULL OF PEDESTRIANS. . .
HOW DO YOU GET PEOPLE TO WALK?

A GENERAL THEORY OF WALKABILITY

HOW DO YOU GET PEOPLE TO WALK?

HOW DO YOU GET PEOPLE TO WALK?

- **A REASON TO WALK (BALANCE OF USES)**

HOW DO YOU GET PEOPLE TO WALK?

- **A REASON TO WALK (BALANCE OF USES)**

- **A SAFE WALK (REALITY AND PERCEPTION)**

HOW DO YOU GET PEOPLE TO WALK?

- **A REASON TO WALK (BALANCE OF USES)**

- **A SAFE WALK (REALITY AND PERCEPTION)**

- **A COMFORTABLE WALK (SPACE AND ORIENTATION)**

HOW DO YOU GET PEOPLE TO WALK?

- **A REASON TO WALK (BALANCE OF USES)**

- **A SAFE WALK (REALITY AND PERCEPTION)**

- **A COMFORTABLE WALK (SPACE AND ORIENTATION)**

- **AN INTERESTING WALK (SIGNS OF HUMANITY)**

HOW DO YOU GET PEOPLE TO WALK?

- A REASON TO WALK
  (BALANCE OF USES)

- A SAFE WALK
  (REALITY AND PERCEPTION)

- A COMFORTABLE WALK
  (SPACE AND ORIENTATION)

- AN INTERESTING WALK
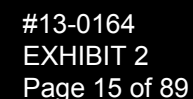 (SIGNS OF HUMANITY)

WALKABLE CITY

HOW DOWNTOWN CAN SAVE AMERICA, ONE STEP AT A TIME

JEFF SPECK

COAUTHOR OF *SUBURBAN NATION*

HOW CAN WE DO ALL THOSE THINGS???
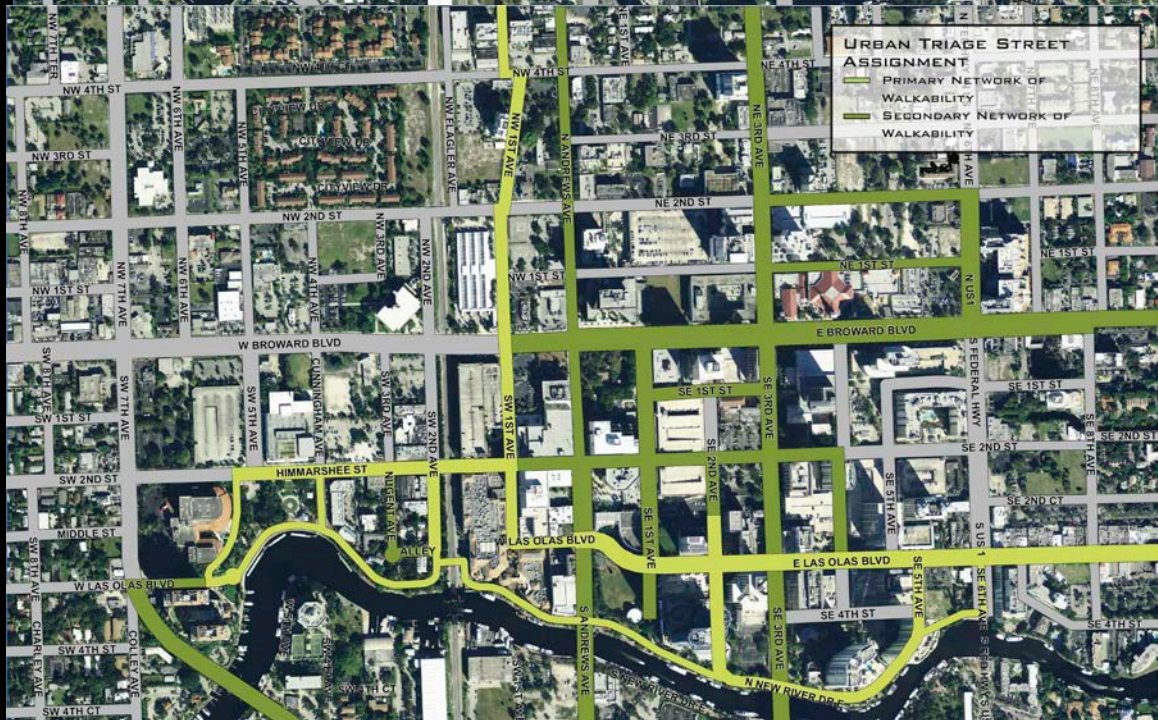
URBAN TRIAGE

FRONTAGE QUALITY
- BEST
- GOOD
- FAIR
- BAD
- WORST

FRONTAGE QUALITY

- BEST
- GOOD
- FAIR
- BAD
- WORST

URBAN TRIAGE STREET ASSIGNMENT

— PRIMARY NETWORK OF WALKABILITY
— SECONDARY NETWORK OF WALKABILITY

FRONTAGE QUALITY
- Best
- Good
- Fair
- Bad
- Worst

URBAN TRIAGE STREET ASSIGNMENT
- Primary Network of Walkability
- Secondary Network of Walkability

URBAN TRIAGE STREET ASSIGNMENT

PRIMARY NETWORK OF WALKABILITY

SECONDARY NETWORK OF WALKABILITY

INFILL SITES
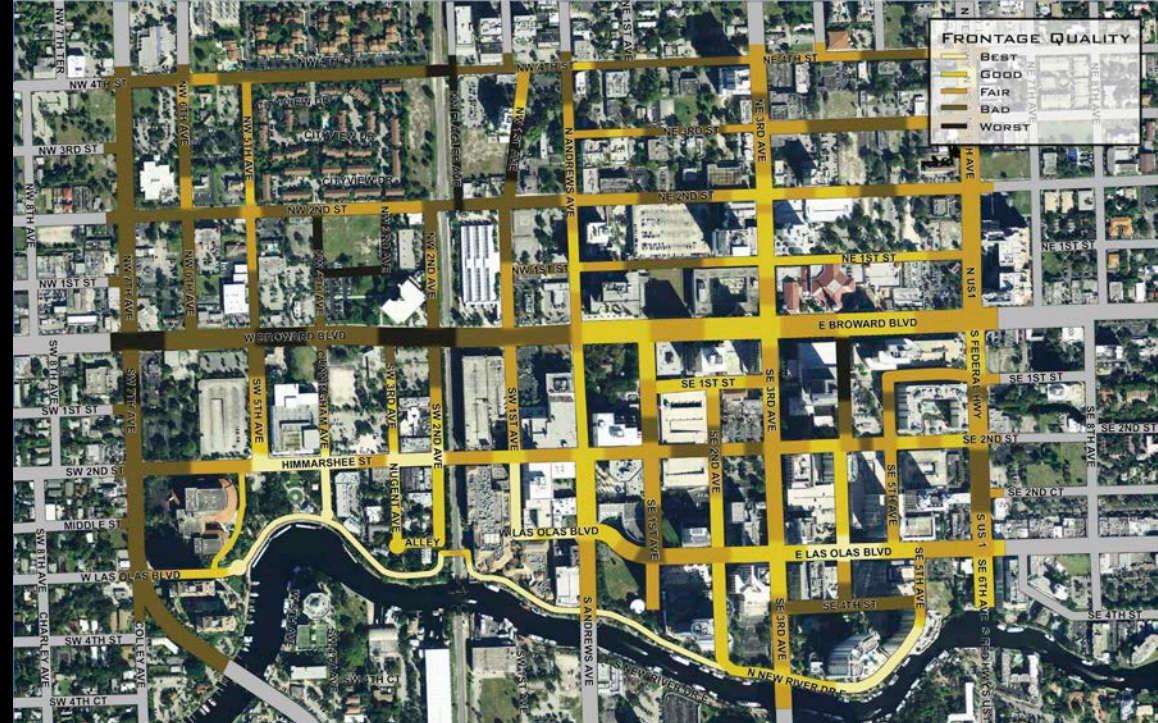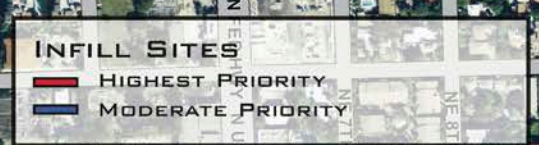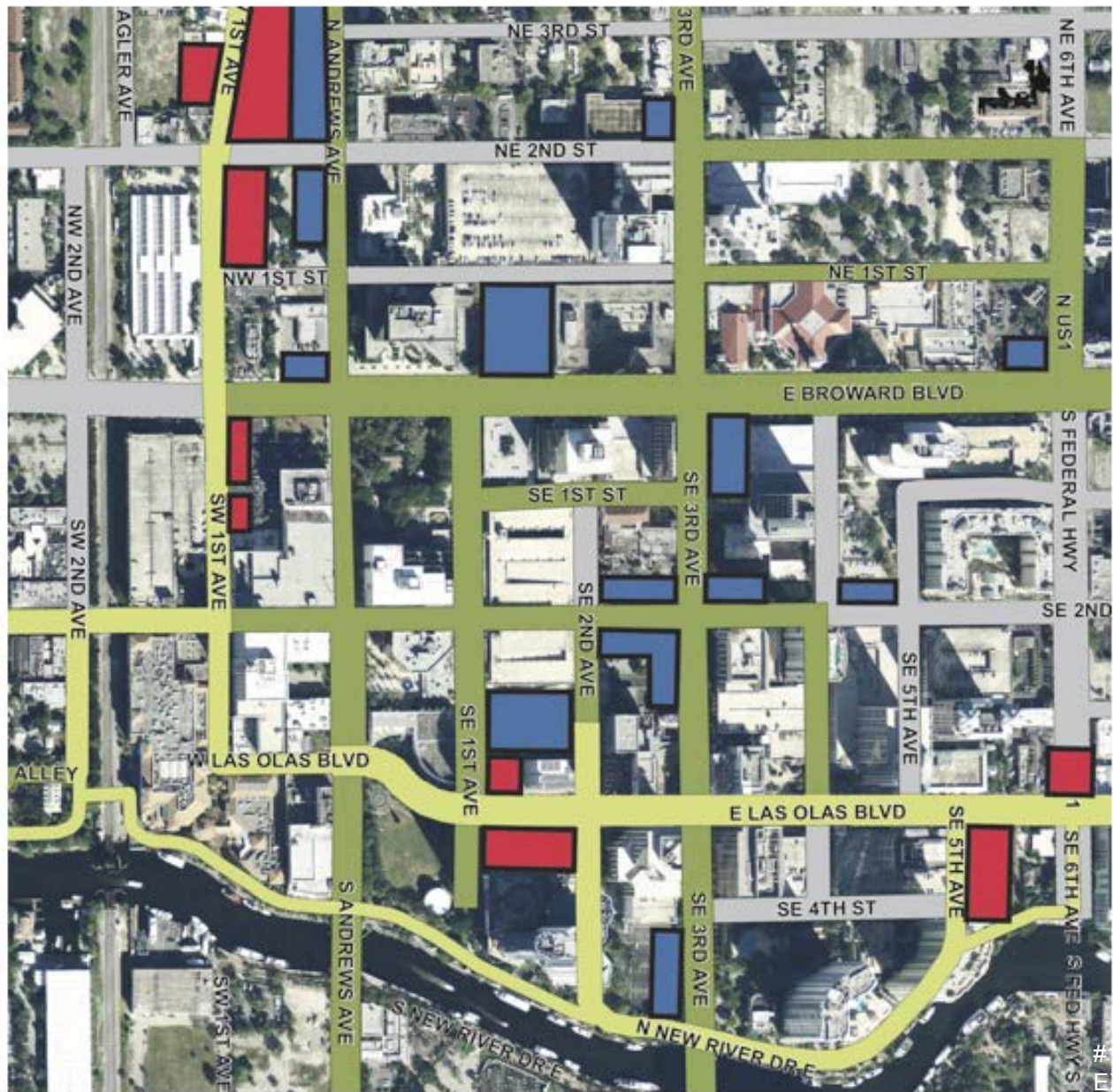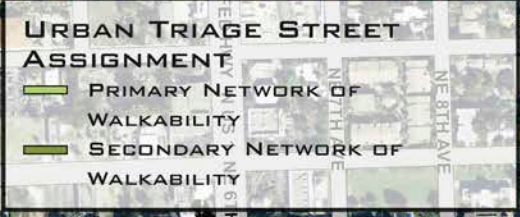HIGHEST PRIORITY
MODERATE PRIORITY

FORT LAUDERDALE DOWNTOWN WALKABILITY ANALYSIS

UNIVERSAL ACTIONS

UNIVERSAL ACTIONS
and

UNIVERSAL ACTIONS

and

SITE-SPECIFIC ACTIONS

UNIVERSAL ACTIONS

UNIVERSAL ACTIONS:

SOME UNIVERSAL ACTIONS:
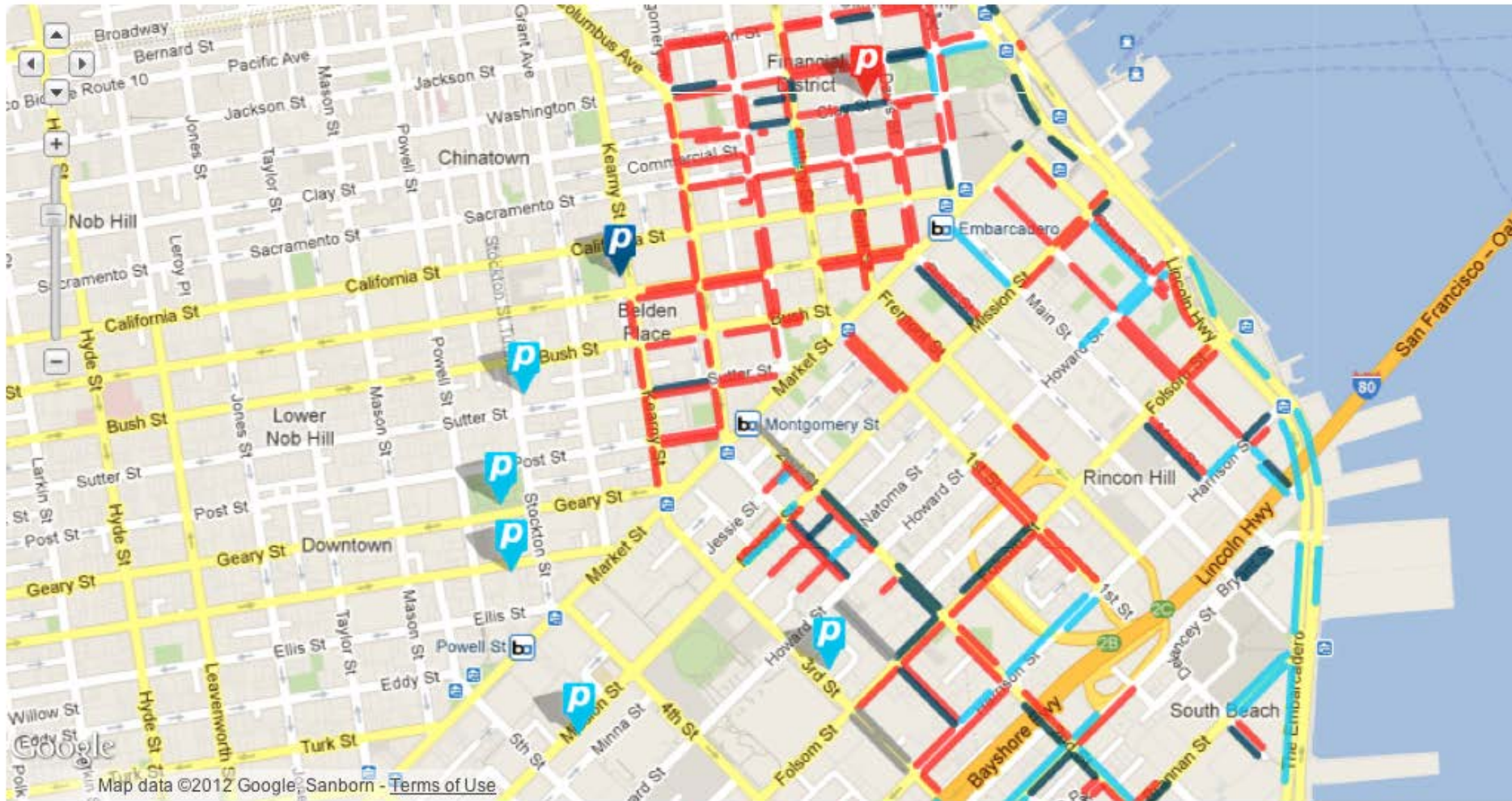
SOME UNIVERSAL ACTIONS:

1. **Optimize downtown meter rates.**

SOME UNIVERSAL ACTIONS:

1. Optimize downtown meter rates.
2. Make a commitment to shade trees.

SOME UNIVERSAL ACTIONS:

1. Optimize downtown meter rates.
2. Make a commitment to shade trees.
3. Prohibit further street abandonments.

California city network and crash data

Characteristic	Safer cities	Less safe cities	Percent difference
Average year of incorporation	1895	1932	
Average year of block development	1957	1972	
Population[1]	65,719	59,845	-8.9
Real intersection density[2]	106.2	62.7	-41.0
Average block size[3]	18.2	34.5	89.6
Link to node ratio	1.34	1.29	-3.7
Fatal crashes[4]	3.1	10.1	225.8
Fatal crashes not on limited access highways[4]	2.3	8.6	273.9

[1]2000 census [2]Per square mile [3]Acres [4]Per 100,000 people per year

New Urban News, *source: Wesley E. Marshall and Norman Garrick, Street Network Types and Road Safety: A Study of 24 California Cities*

SOME UNIVERSAL ACTIONS:

1. Optimize downtown meter rates.
2. Make a commitment to shade trees.
3. Prohibit further street abandonments.
4. Insist on 10′ and 8′ maximums on future streets.
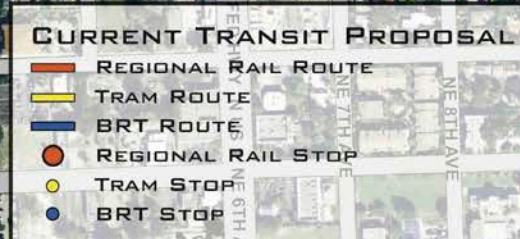
SOME UNIVERSAL ACTIONS:

1. Optimize downtown meter rates.
2. Make a commitment to shade trees.
3. Prohibit further street abandonments.
4. Insist on 10' and 8' maximums on future streets.
5. Rationalize your transit diagram.

CURRENT TRANSIT PROPOSAL

- ▬▬ REGIONAL RAIL ROUTE
- ▬▬ TRAM ROUTE
- ▬▬ BRT ROUTE
- ⬤ REGIONAL RAIL STOP
- ⬤ TRAM STOP
- ⬤ BRT STOP

SOME UNIVERSAL ACTIONS:

1. Optimize downtown meter rates.
2. Make a commitment to shade trees.
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5. Rationalize your transit diagram.
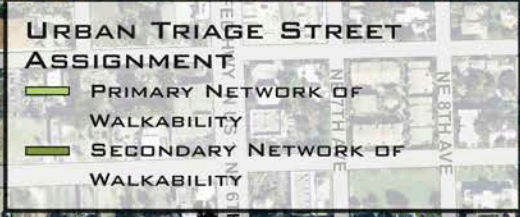6. Put bikes wherever they fit.
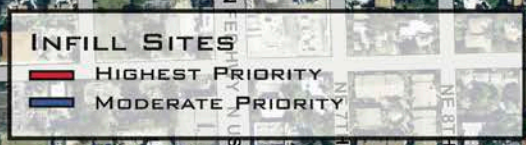
BICYCLE FACILITIES
2-WAY SEPARATED LANE
PAIR OF INTEGRATED LANES OR SHARROWS (AS SPACE PERMITS)

SITE-SPECIFIC ACTIONS:

SITE-SPECIFIC ACTIONS:

- FIXING STREETS

SITE-SPECIFIC ACTIONS:

- FIXING STREETS
- FIXING STREETWALLS

URBAN TRIAGE STREET
ASSIGNMENT
PRIMARY NETWORK OF
WALKABILITY
SECONDARY NETWORK OF
WALKABILITY

INFILL SITES
HIGHEST PRIORITY
MODERATE PRIORITY

LOW-HANGING FRUIT

THE "JUST DO IT" ROSTER FOR IMMEDIATE ACTION

THE "JUST DO IT" ROSTER FOR IMMEDIATE ACTION

1. **Restripe Las Olas.**

METERED ON-STREET PARKING AVAILABLE

WEEKDAYS
MONDAY-THURSDAY
6:30PM TO 3:00AM

WEEKENDS
FRIDAY 6:30PM TO
MONDAY 3:00AM

(TOW AWAY ZONE ALL OTHERS TIMES)

PARK OPTIONS
PAY AT METER
PAY BY PHONE
1-888-680-PA
SMART PARK
FL 49

FORTLAUDERDAL
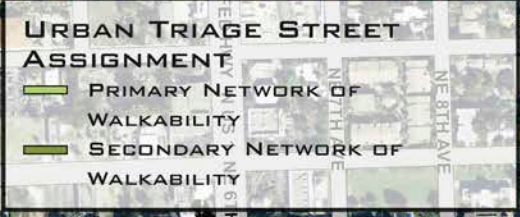
THE "JUST DO IT" ROSTER FOR IMMEDIATE ACTION

1. Restripe Las Olas.
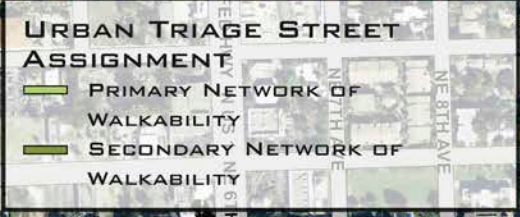2. Restripe Himmarshee.

THE "JUST DO IT" ROSTER FOR IMMEDIATE ACTION

1. Restripe Las Olas.
2. Restripe Himmarshee.
3. 2-way the River Front bend.

URBAN TRIAGE STREET ASSIGNMENT
— PRIMARY NETWORK OF WALKABILITY
— SECONDARY NETWORK OF WALKABILITY

THE "JUST DO IT" ROSTER FOR IMMEDIATE ACTION

1. Restripe Las Olas.
2. Restripe Himmarshee.
3. 2-way the River Front bend.
4. Create a Riverwalk loop.

URBAN TRIAGE STREET ASSIGNMENT

- PRIMARY NETWORK OF WALKABILITY
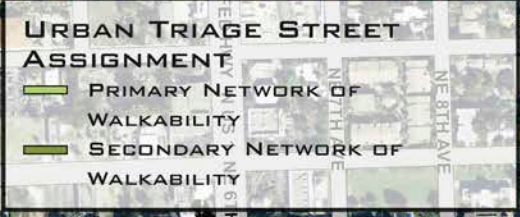- SECONDARY NETWORK OF WALKABILITY

THE "JUST DO IT" ROSTER FOR IMMEDIATE ACTION

1. Restripe Las Olas.
2. Restripe Himmarshee.
3. 2-way the River Front bend.
4. Create a Riverwalk loop.
5. Restripe Brickell.

URBAN TRIAGE STREET
ASSIGNMENT
PRIMARY NETWORK OF
WALKABILITY
SECONDARY NETWORK OF
WALKABILITY

THE "JUST DO IT" ROSTER FOR IMMEDIATE ACTION

1. Restripe Las Olas.
2. Restripe Himmarshee.
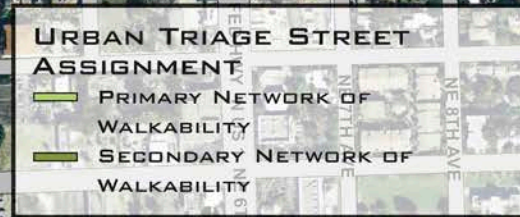3. 2-way the River Front bend.
4. Create a Riverwalk loop.
5. Restripe Brickell.
6. Restripe N. 2nd and N. 4th Streets for biking.

BICYCLE FACILITIES
- 2-WAY SEPARATED LANE
- PAIR OF INTEGRATED LANES OR SHARROWS (AS SPACE PERMITS)

THE "JUST DO IT" ROSTER FOR IMMEDIATE ACTION

1. Restripe Las Olas.
2. Restripe Himmarshee.
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5. Restripe Brickell.
6. Restripe N. 2nd and N. 4th Streets for biking.
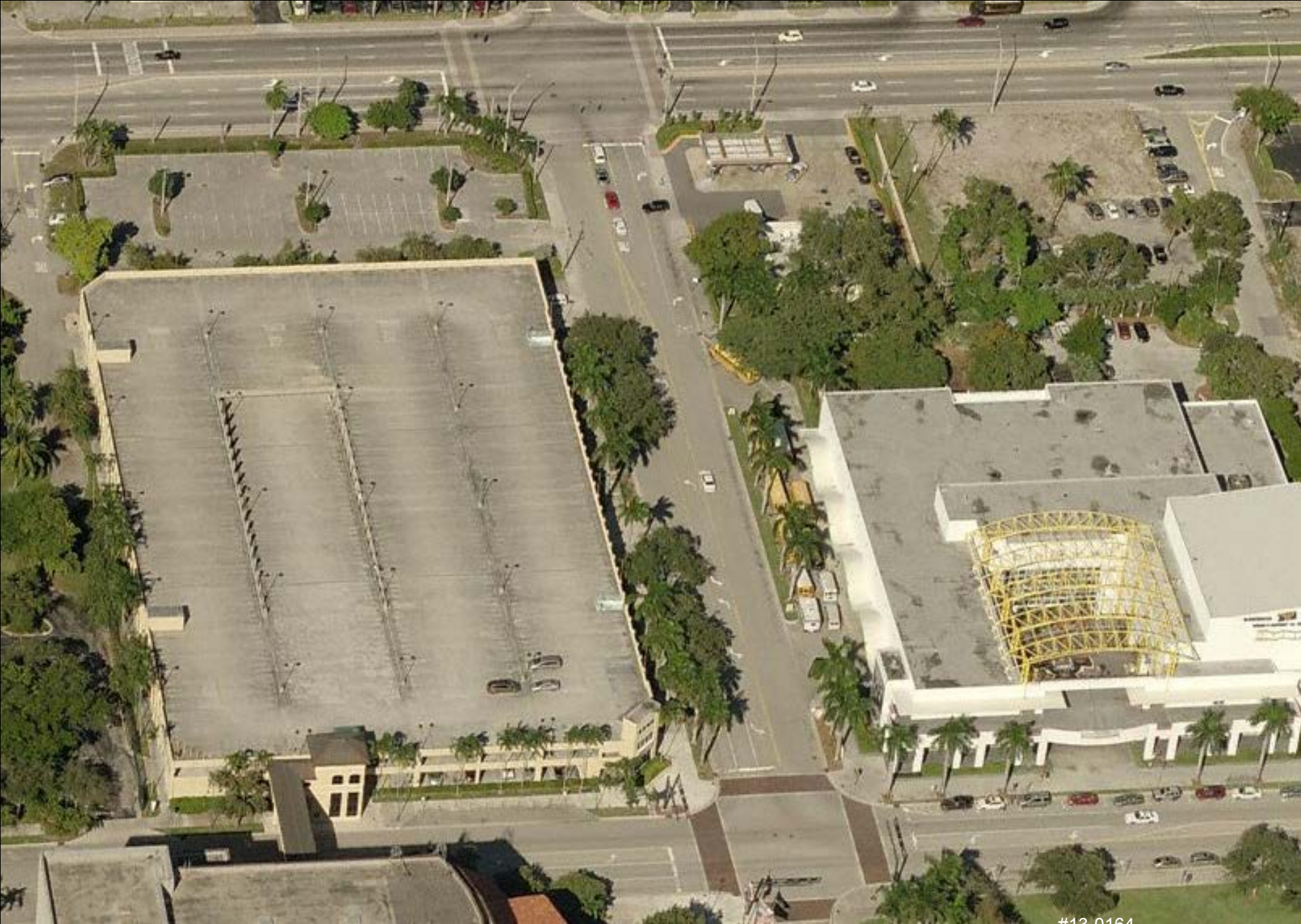7. Restripe N. 1st and N. 3rd Streets for parking.

THE "JUST DO IT" ROSTER FOR IMMEDIATE ACTION

1. Restripe Las Olas.
2. Restripe Himmarshee.
3. 2-way the River Front bend.
4. Create a Riverwalk loop.
5. Restripe Brickell.
6. Restripe N. 2nd and N. 4th Streets for biking.
7. Restripe N. 1st and N. 3rd Streets for parking.
8. Place angle parking on SE 1st St. south of Broward.
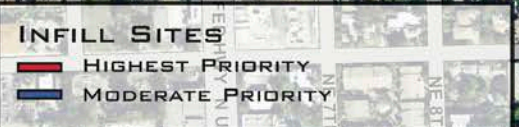
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THE "JUST DO IT" ROSTER FOR IMMEDIATE ACTION

1. Restripe Las Olas.
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10. **Use incentives for development of primary infill sites.**

THE "JUST DO IT" ROSTER FOR IMMEDIATE ACTION

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FORT LAUDERDALE
DOWNTOWN WALKABILITY ANALYSIS