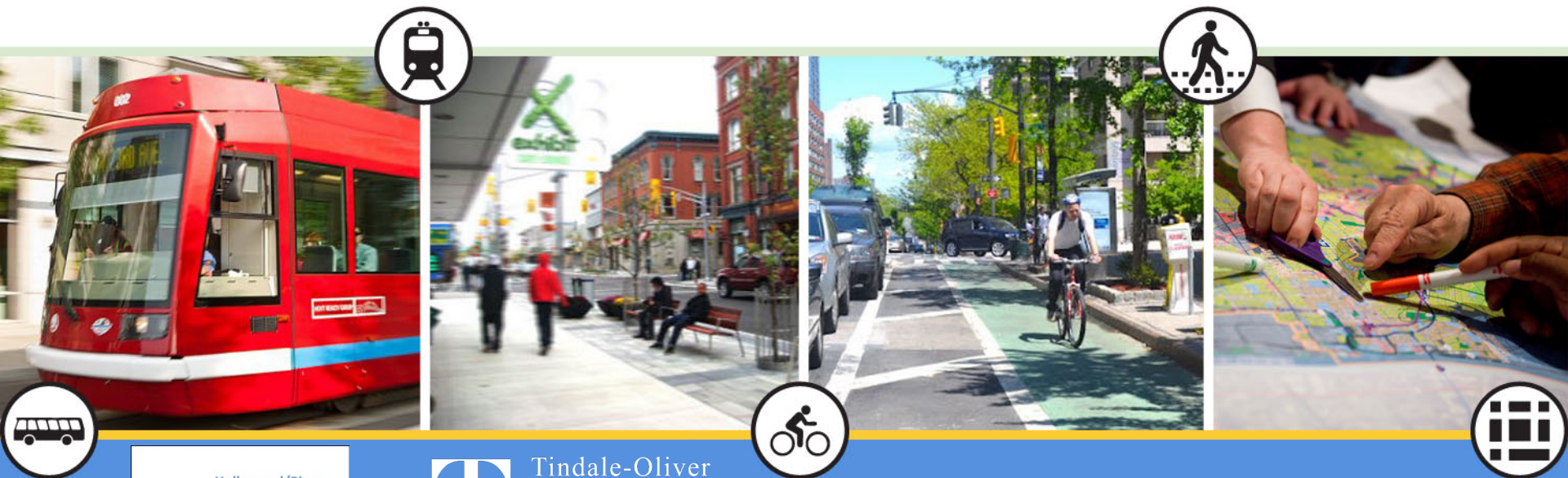


HOLLYWOOD/PINES BOULEVARD CONGESTION MANAGEMENT/LIVABILITY STUDY – BROWARD COUNTY, FL

NCAMPO 2014 Annual Conference; Alternative Transportation
May 14, 2014; 3:15 – 5:00



Our Perspective



Broward Metropolitan Planning Organization



Fort Lauderdale Skyline

Livability Connection

MOBILITY HUBS

Gateway Hubs \$8.2M



Anchor Hubs \$1.9M



Community Hubs \$57K

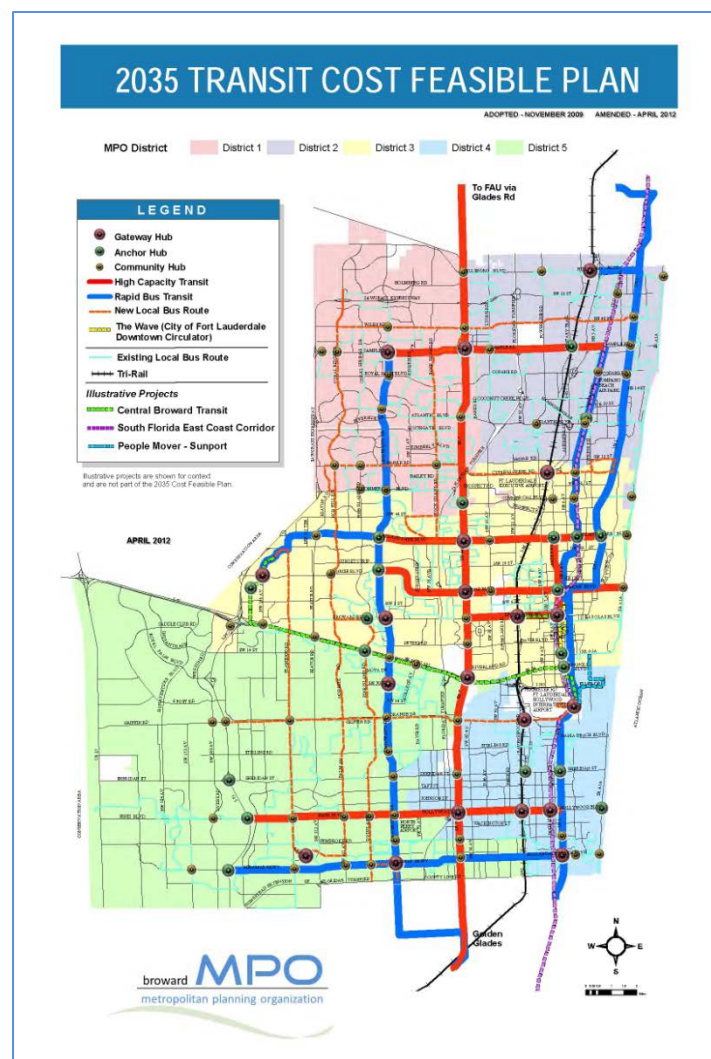


PREMIUM TRANSIT

High Capacity



Rapid Bus



Mobility Hubs



	Gateway	Anchor	Community
Boardings & Alightings (forecast)	High > 2,200.	Moderate to high (1,500 to 2,200)	< 1500
Development	Surrounded by high density mixed use developments: TOCs, TODs, Downtowns	Located by Regional Activity Centers or Local Activity Centers: Employment Centers, Town Centers, Major Institutions.	Attracts more local trips than regional trips
Connectivity	Provide connections for two or more high capacity lines	Provide connection to at least one high capacity line	Area is served by Rapid Bus
Estimated investment	around \$8.2 million per hub.	around \$1.9 million per hub.	around \$57 thousand per hub

Project Introduction

- Livable community that is safe, enjoyable, and sustainable for all citizens and visitors
- Focuses on Development of Mobility Hubs and congestion management project opportunities



Northwest Progressive Institute (Portland, OR)



River Road Community Organization (Eugene, OR)



www.pedbikeimages.org/ Dan Burden (East Lansing, MI)



Project Overview

Technical Process



Land use/transportation assessment



Mobility Hub scenario development



Congestion management recommendations



Prioritization and implementation

Public Engagement Process

Community meetings,
stakeholder interviews

Visioning workshops

iTown Hall Meeting

City Commission and
MPO Committee/Board
Briefings

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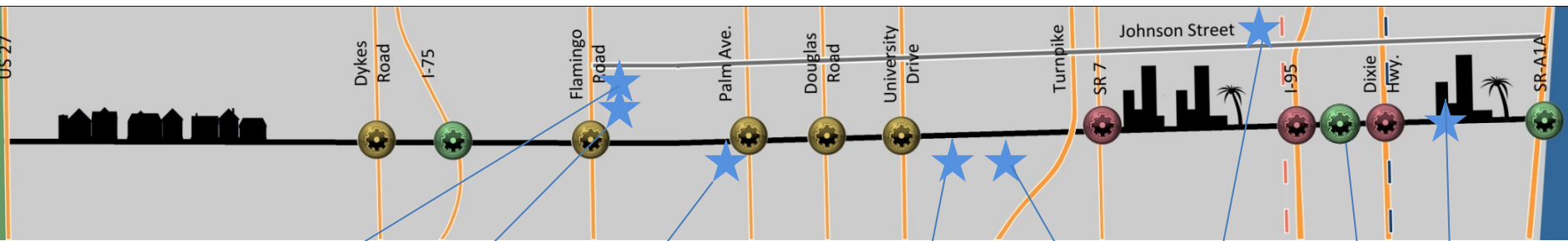
Project Study Area



City of Pembroke Pines

City of Hollywood

~20 miles



Memorial Hospital West

Pembroke Lakes Mall

Pembroke Pines City Hall

North Perry Airport

Broward College

Memorial Regional Hospital

Hollywood City Hall

Young Circle

Gateway Hub

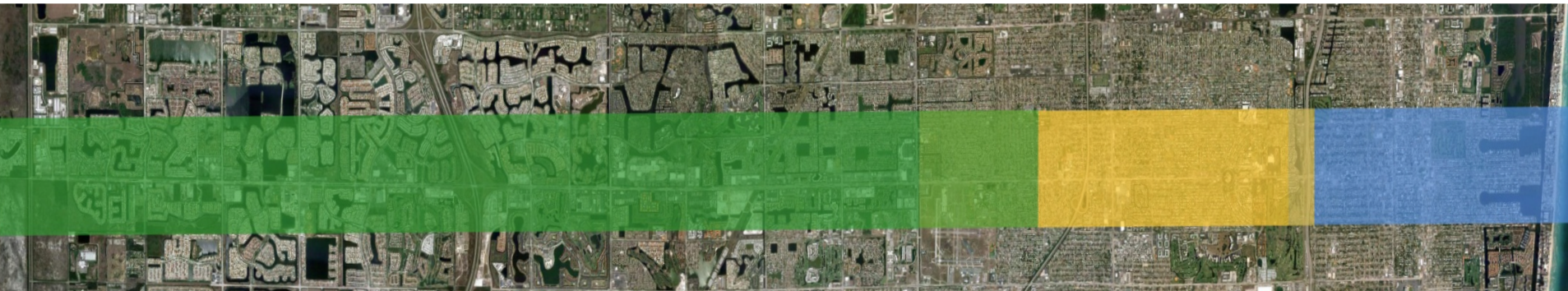
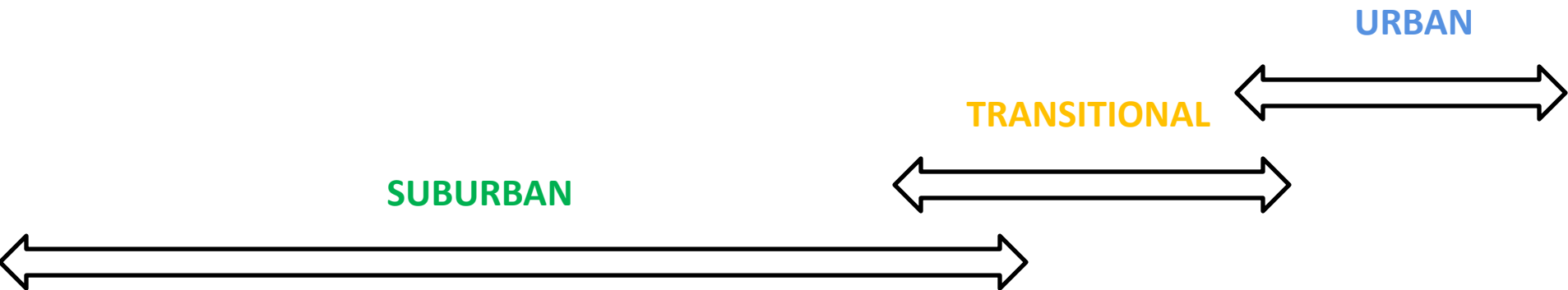
Anchor Hub

Community Hub

Corridor Segments



- Recognize varying characteristics along corridor
- Identify solutions appropriate to context





Corridor Segments

Urban





Corridor Segments Transitional



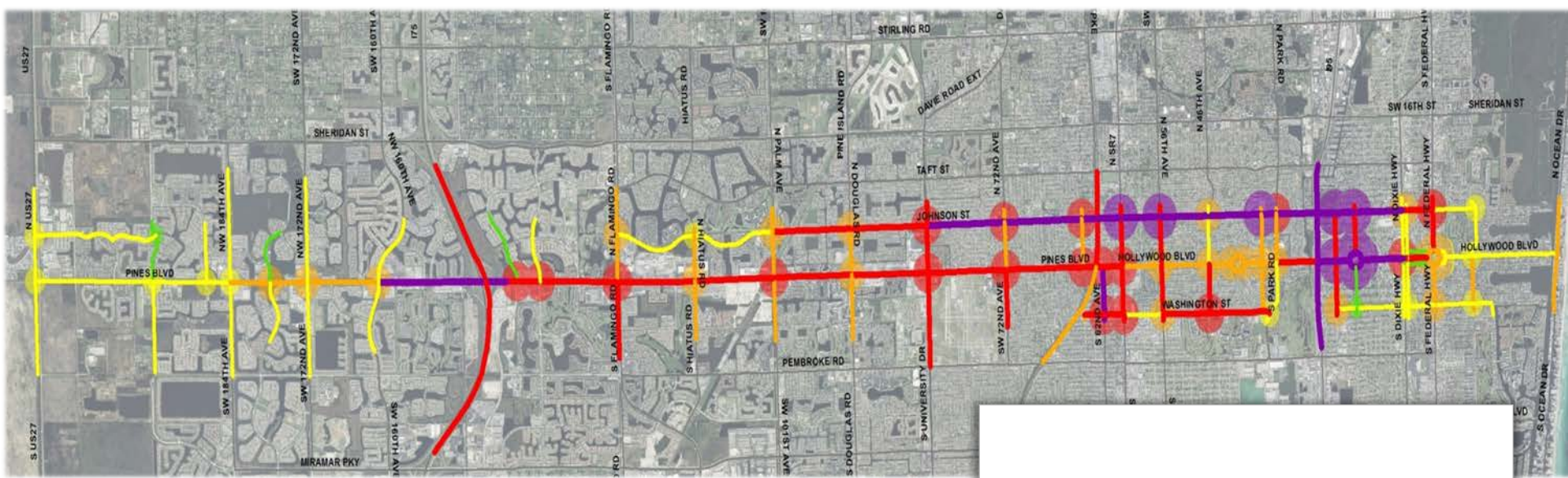


Corridor Segments Suburban

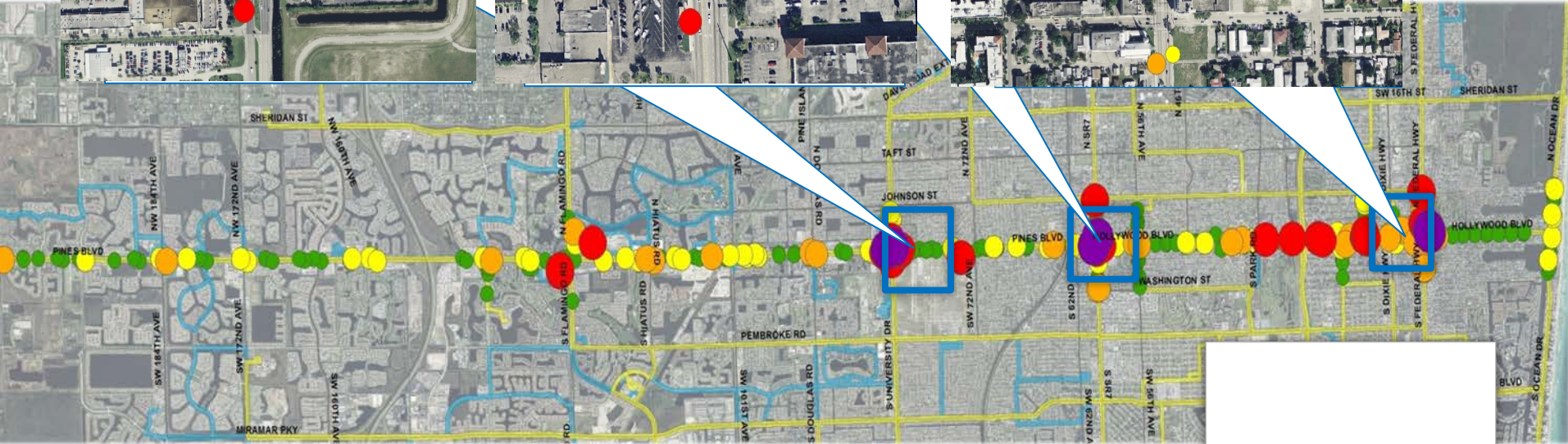
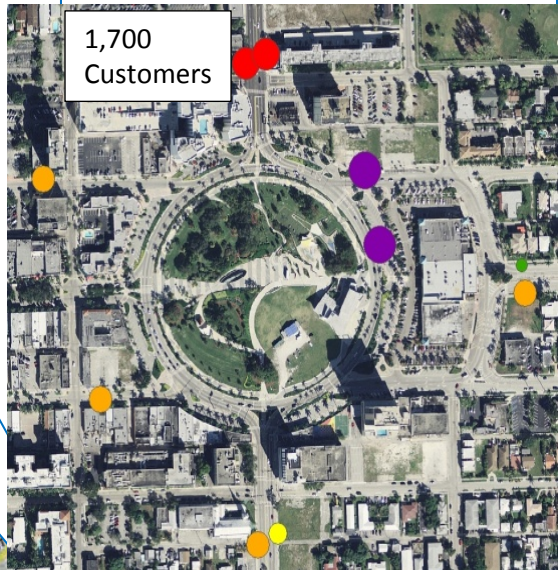
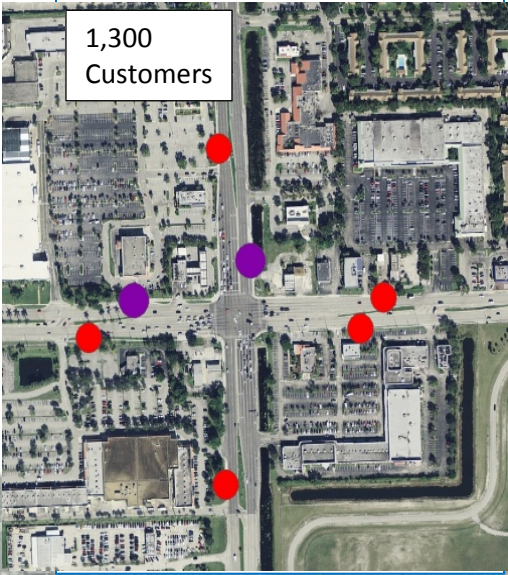




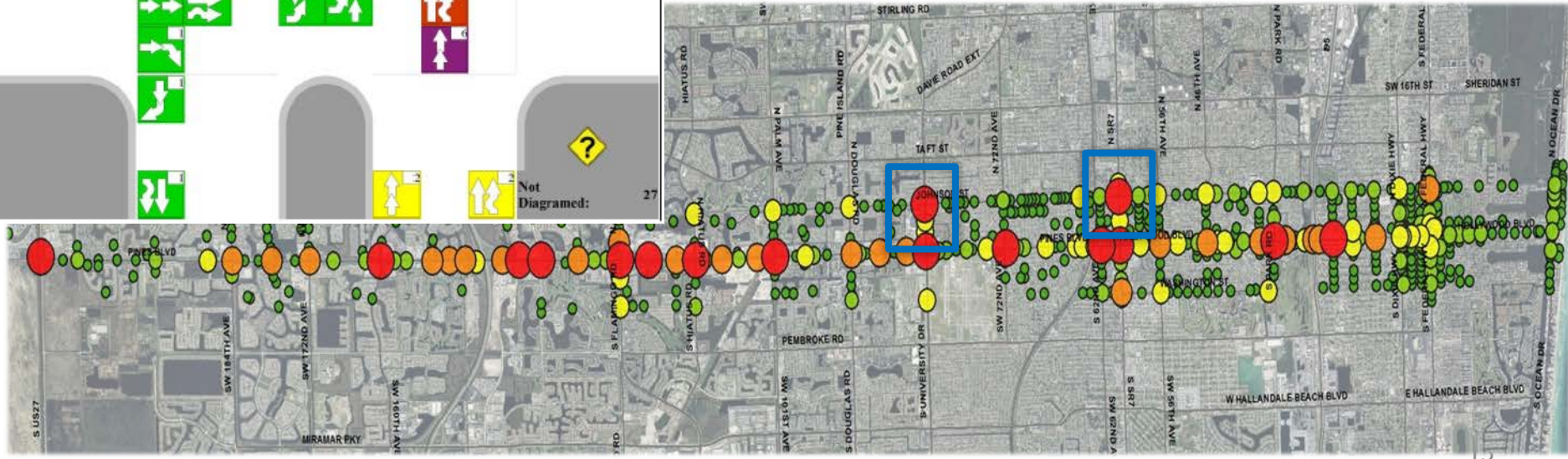
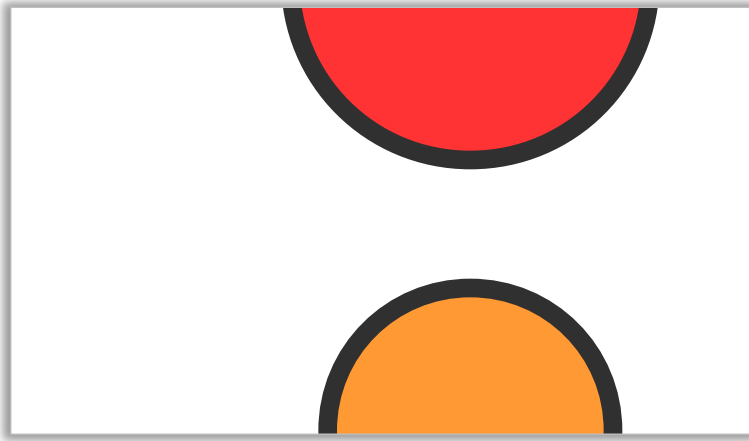
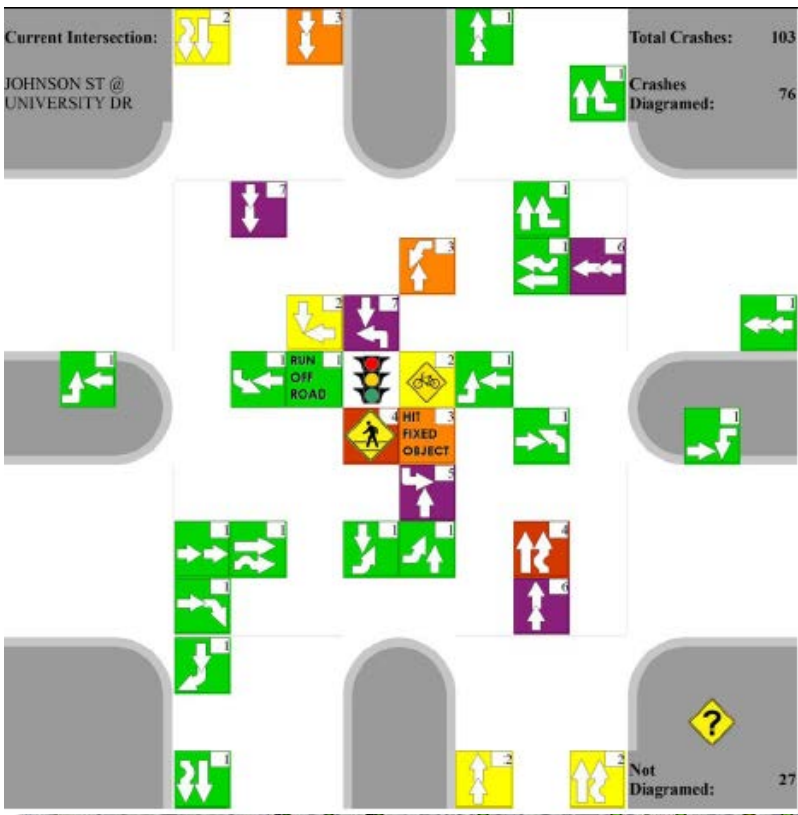
Traffic and Level of Service



Transit Activity



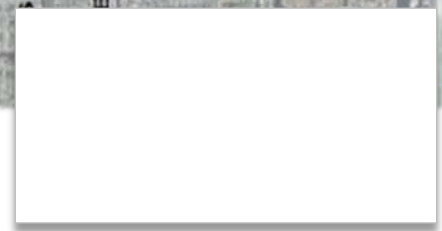
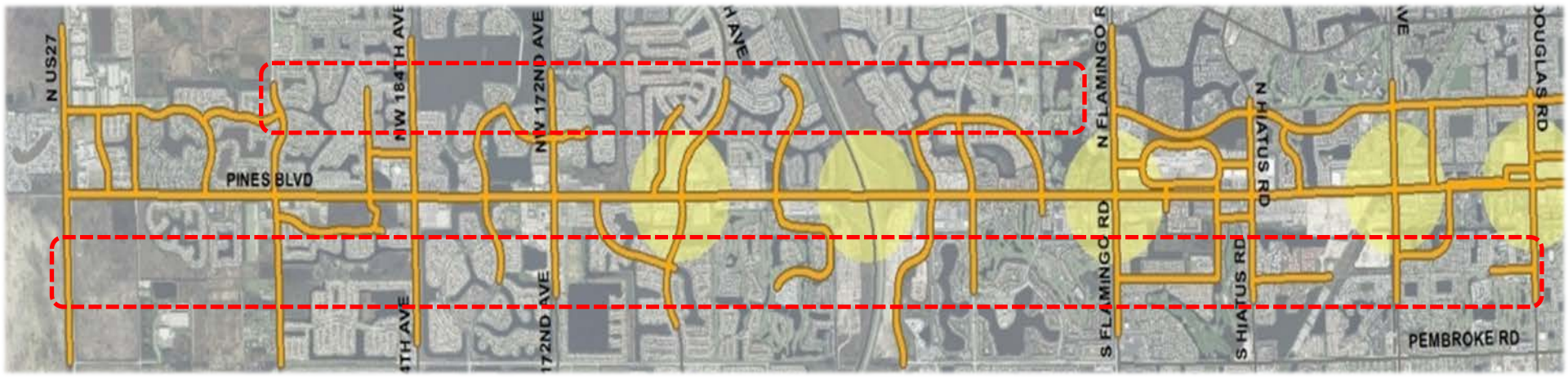
Crash History





Hollywood/Pines
Corridor Project

Multimodal Network





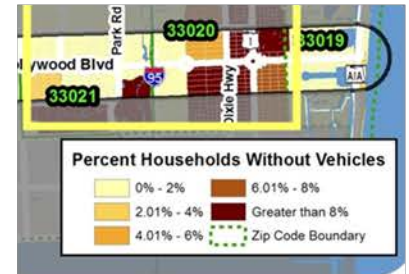
Public Engagement



Newsletter



Website



Effective outreach



Community Meetings

Phone Number	Name	Address	Zip Code	Other Contact Info
305-555-1234	John Doe	123 Main St	33101	
305-555-5678	Jane Smith	456 Oak Ave	33102	
305-555-9012	Michael Johnson	789 Pine Rd	33103	
305-555-3456	Sarah Lee	101 Elm Dr	33104	
305-555-7890	David King	202 Maple Ln	33105	
305-555-1122	Emily White	303 Birch St	33106	
305-555-3344	Robert Green	404 Cedar Way	33107	
305-555-5566	Laura Black	505 Spruce Rd	33108	
305-555-7788	James Brown	606 Fir Ave	33109	
305-555-9900	Maria Garcia	707 Ash Dr	33110	
305-555-2233	Christopher Wilson	808 Hickory Ln	33111	
305-555-4455	Amanda Moore	909 Walnut St	33112	
305-555-6677	Christopher Wilson	909 Walnut St	33112	
305-555-8899	Christopher Wilson	909 Walnut St	33112	

Initial Contact List

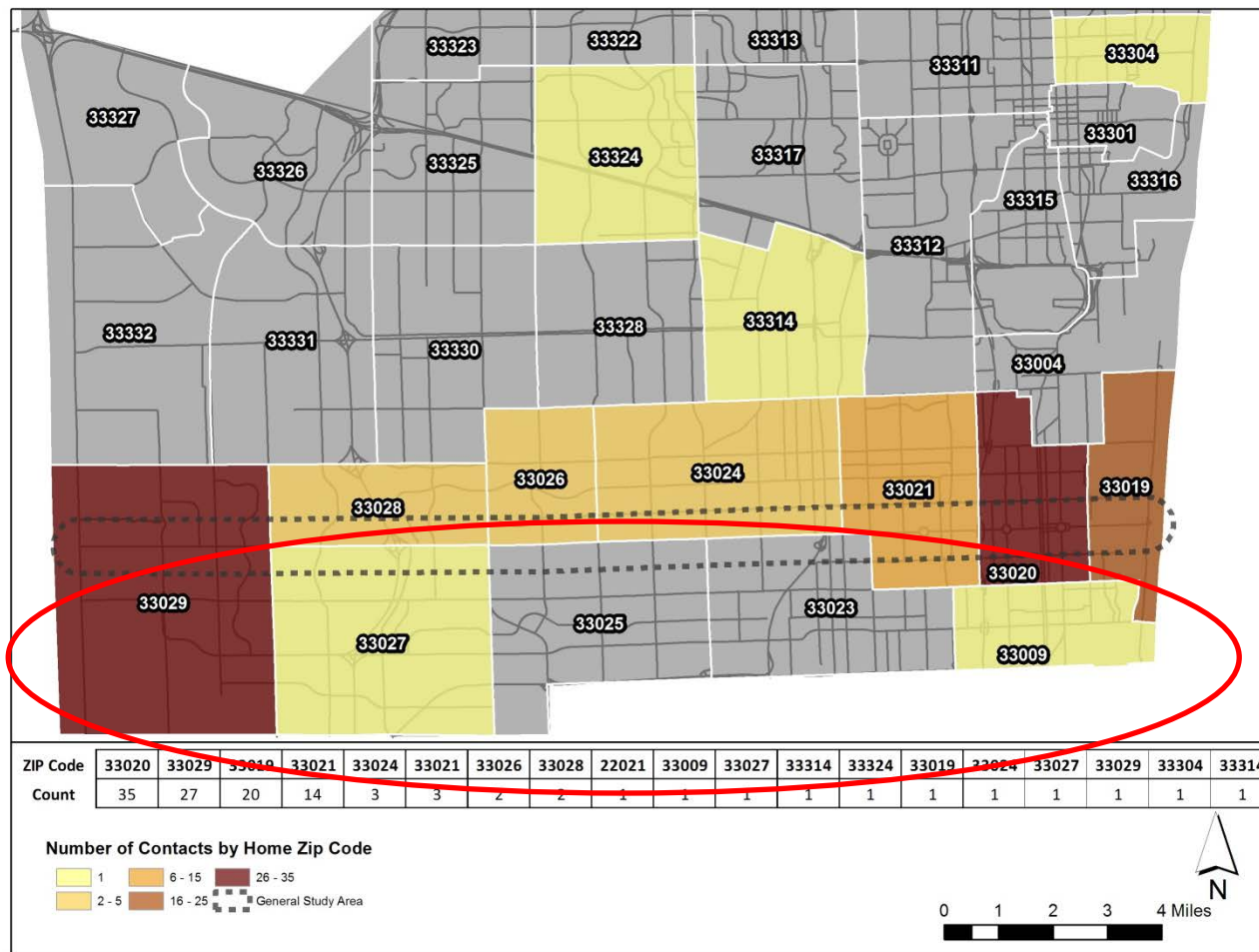


Visioning Workshops

Public Engagement (Zip Code Analysis – Jan. 2013)



First Review: 9 of 11 zip codes



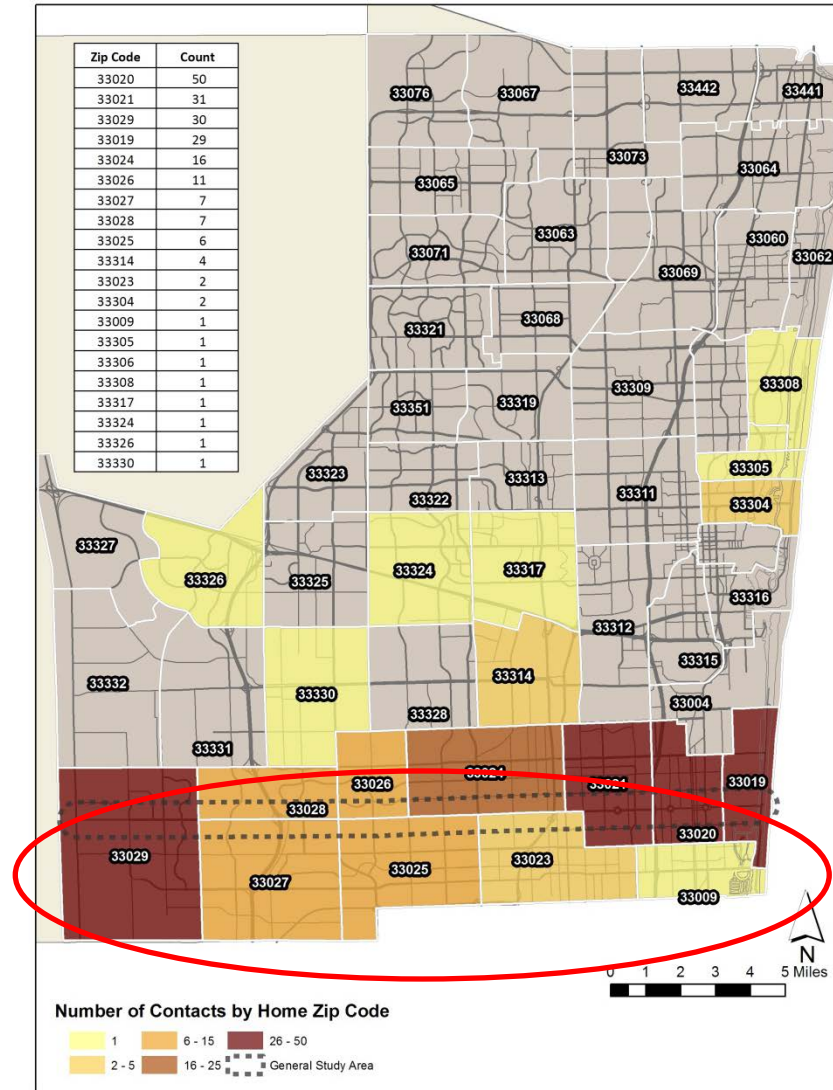
Public Engagement

(Zip Code Analysis – April 2013)

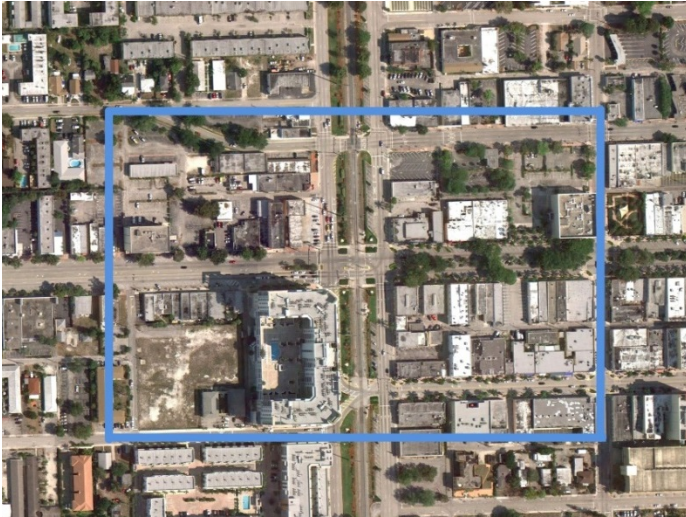


Second Review:

- 11 of 11 zip codes



Visioning Process – Mobility Hub Selection



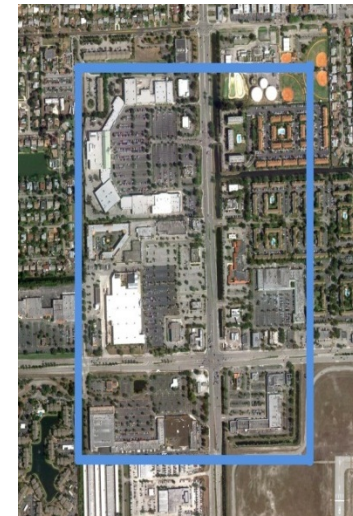
Hollywood Blvd & Dixie Highway



Pines Blvd & Flamingo Road

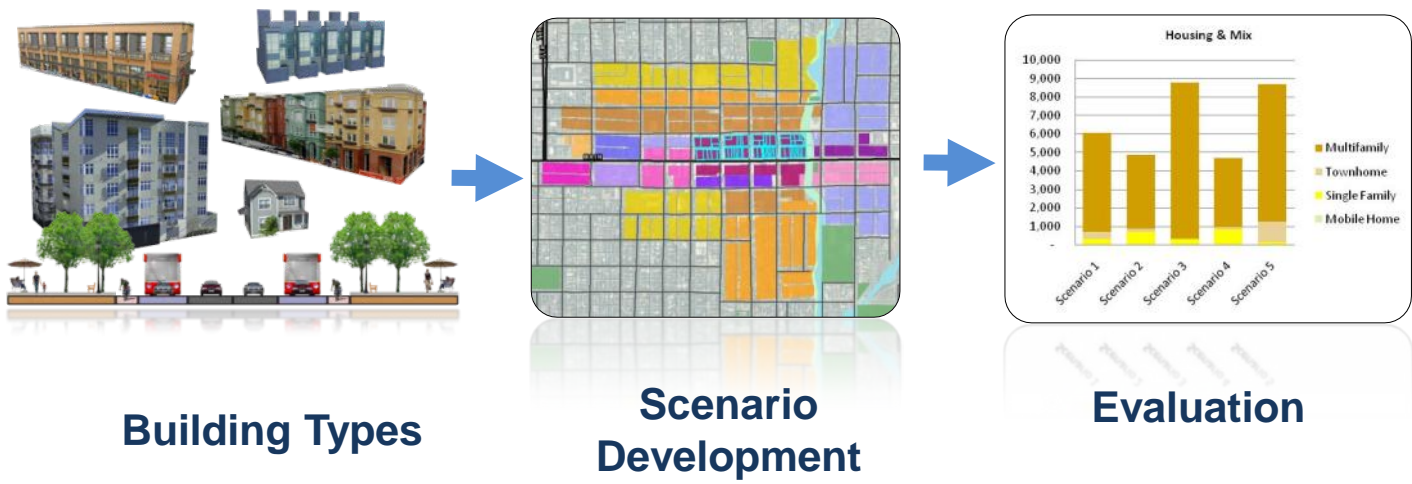


Hollywood
Blvd & SR 7



Pines Blvd &
University Dr.

Scenario Building Process

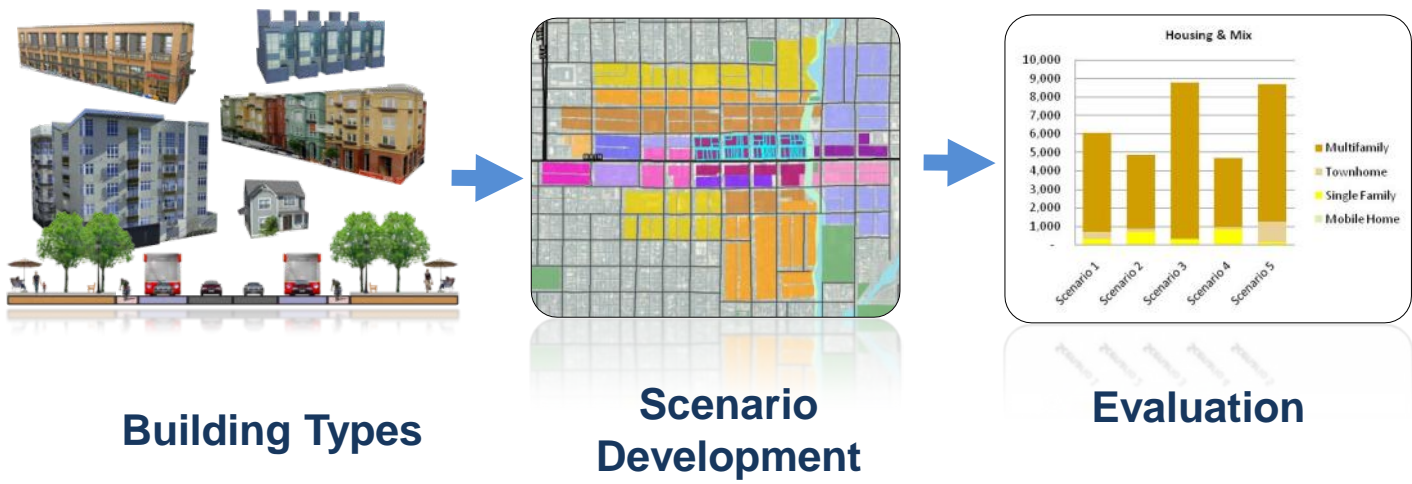


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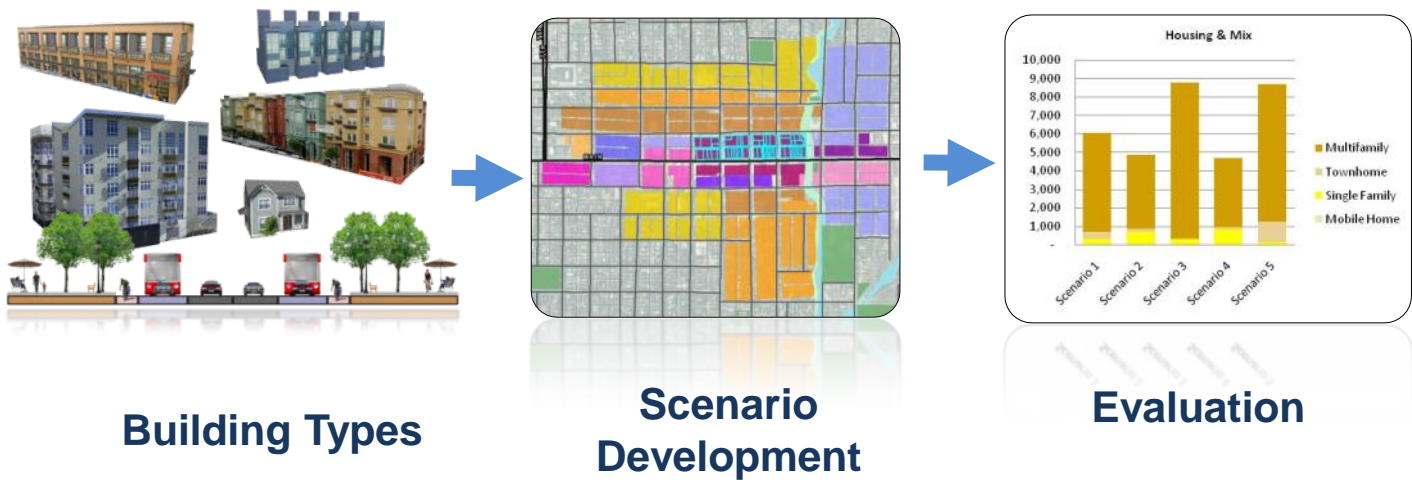
Step 1: Model a library of building types that are financially feasible at the local level.

Scenario Building Process

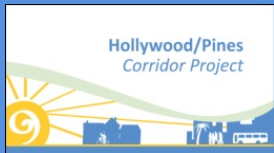


Step 2: Paint future land use scenarios to test the implications of different decisions or policies.

Scenario Building Process



Step 3: Compare the scenarios and monitor the impact of land use decisions in real-time.



Comparing the Scenarios

Site, node, corridor-level indicators:

- *Return on investment*
- *Employment density*
- *Jobs-housing balance*
- *Mixed use (entropy) score*
- *Walkability*
- *Air quality impacts*
- *Energy consumption*
- *Fiscal impacts*
- *Shared Parking*
- *VMT*
- *Transit Trips*
- *etc...*



Visioning Workshops



Save the Date! Upcoming Visioning Workshops for the Hollywood Pines Corridor Project

These visioning workshops will be interactive meetings where the public will be asked to provide feedback on redevelopment scenarios for Mobility Hubs along the Hollywood/Pines Boulevard corridor.

Hollywood Visioning Workshop
 March 20, 2013 from 5:30-8:30 PM
 Place: Fred Lippman Multi-Purpose Center, 2030 Polk Street, Hollywood
 This workshop will focus on the following Mobility Hub: Hollywood Boulevard & SR 7 and Hollywood Boulevard & Dixie Highway

Pembroke Pines Visioning Workshop
 March 21, 2013 from 5:30-8:30 PM
 Place: Southwest Focal Point Senior Center, 301 NW 123rd Ave, Pembroke Pines
 This workshop will focus on the following Mobility Hub: Pines Boulevard & University Drive and Pines Boulevard & Flamingo Road

Please visit the project website at www.hollywoodpinescorridorproject.com for information regarding these upcoming visioning workshops, sign up to receive project emails, and to get all the latest information about this project.

You may also call James Comar, Broward MPO Project Manager at (954) 876-0038 or Jessica Vargas Astalza, Project Consultant at (954) 489-2748.



Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons who require special accommodations under the Americans with Disabilities Act or persons who require translation services (free of charge) should contact Christopher Ryan, Public Information Officer/Title VI Coordinator at (954) 876-0033 or 0036 or ryan@browardmpo.org at least seven days prior to the meeting. If hearing impaired, telephone 1-800-275-7945 (TDD).



Hollywood Blvd & SR 7

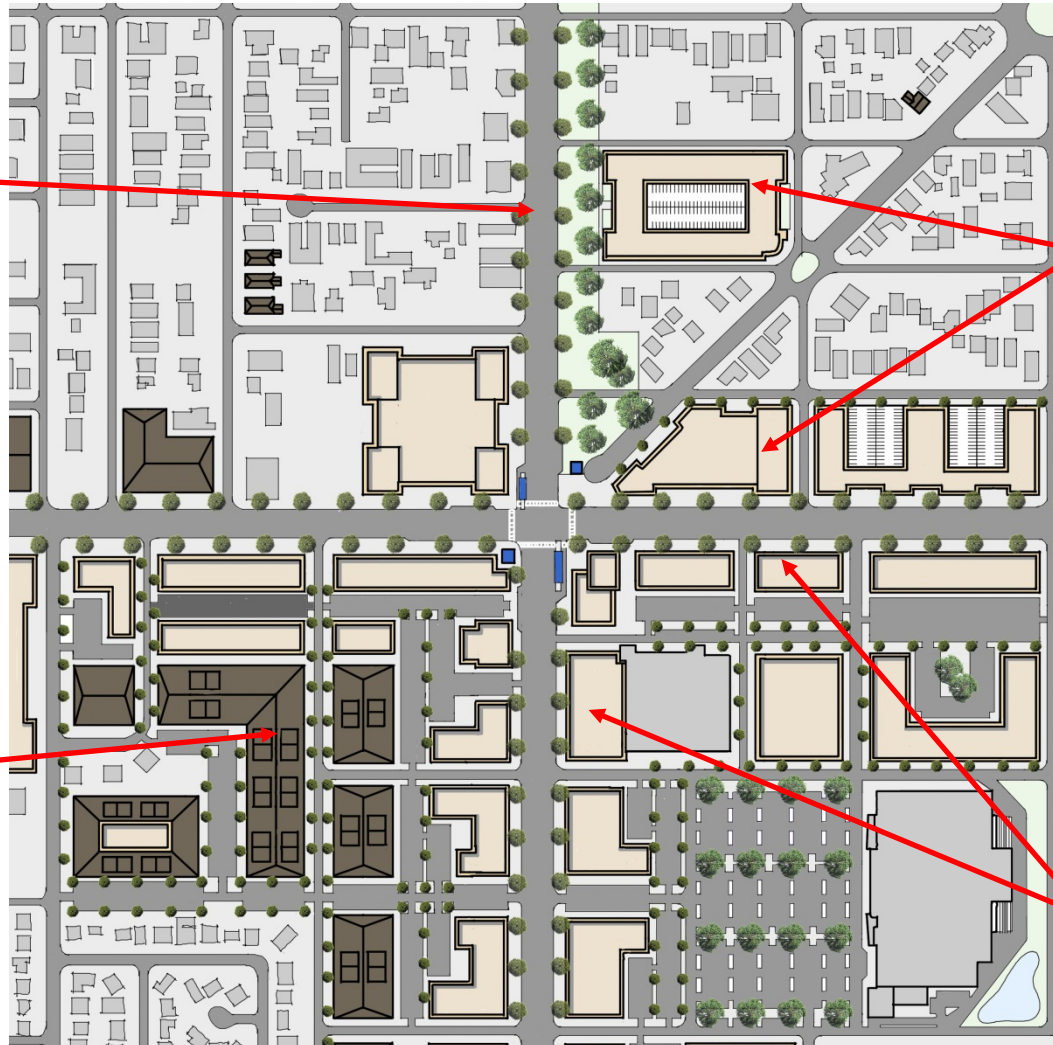


Hollywood Blvd & SR 7



Provide greenway
as part of SR 7
widening project

Consider multi-
family
development
buffered from
major roads with
retail/ mixed-use



Neighborhood
scale infill/
redevelopment
along SR 7 &
Hollywood Blvd.

Provide enhanced
transit facilities at
northeast and
southwest corners

“Wrap” Wal-Mart
site to create more
walkable street
frontage



Hollywood Blvd & Dixie Highway





Hollywood Blvd & Dixie Highway

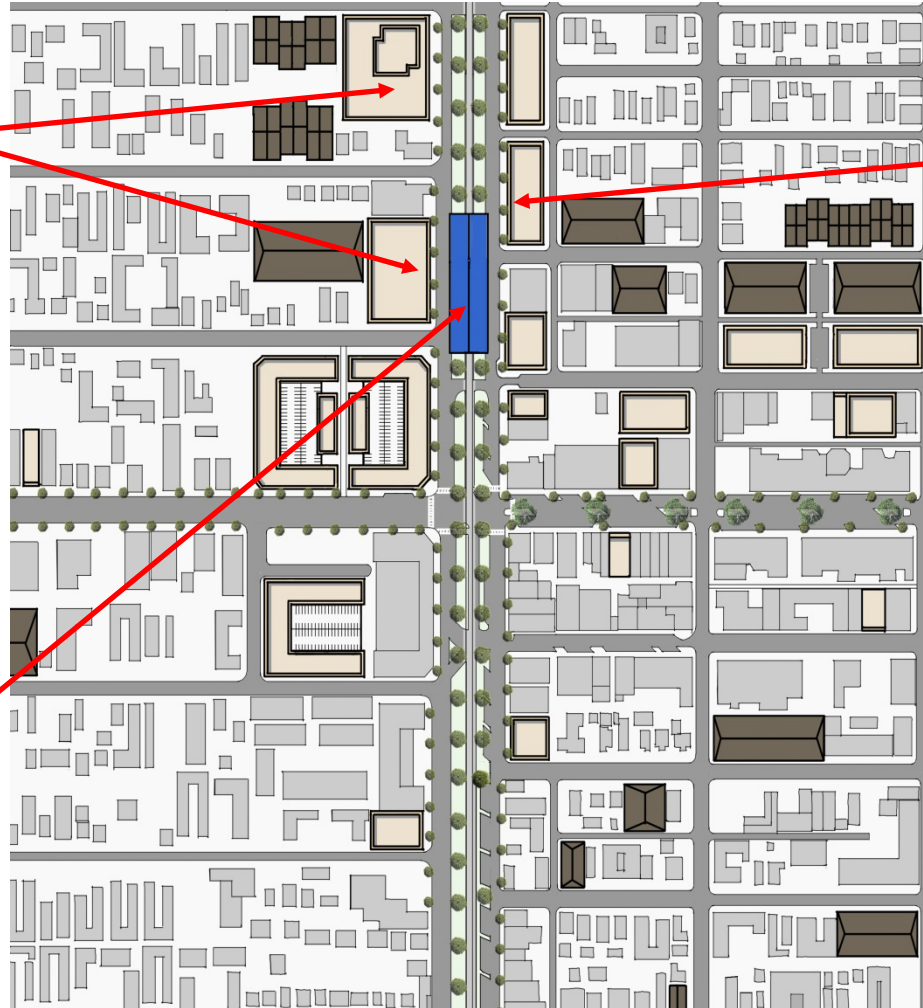


Redevelop lower-intensity uses adjacent to station platform area

Leverage City-owned properties; provide new stops to serve station

Potential FEC Rail Station

“Organic” infill and redevelopment over time





Pines Blvd & Flamingo Road



CB Smith Park

95E and Commuter Svc. Park-n-Ride

Memorial West Hospital

Big-box Retail

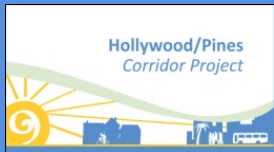
Pembroke Lakes Mall

Big-box Retail

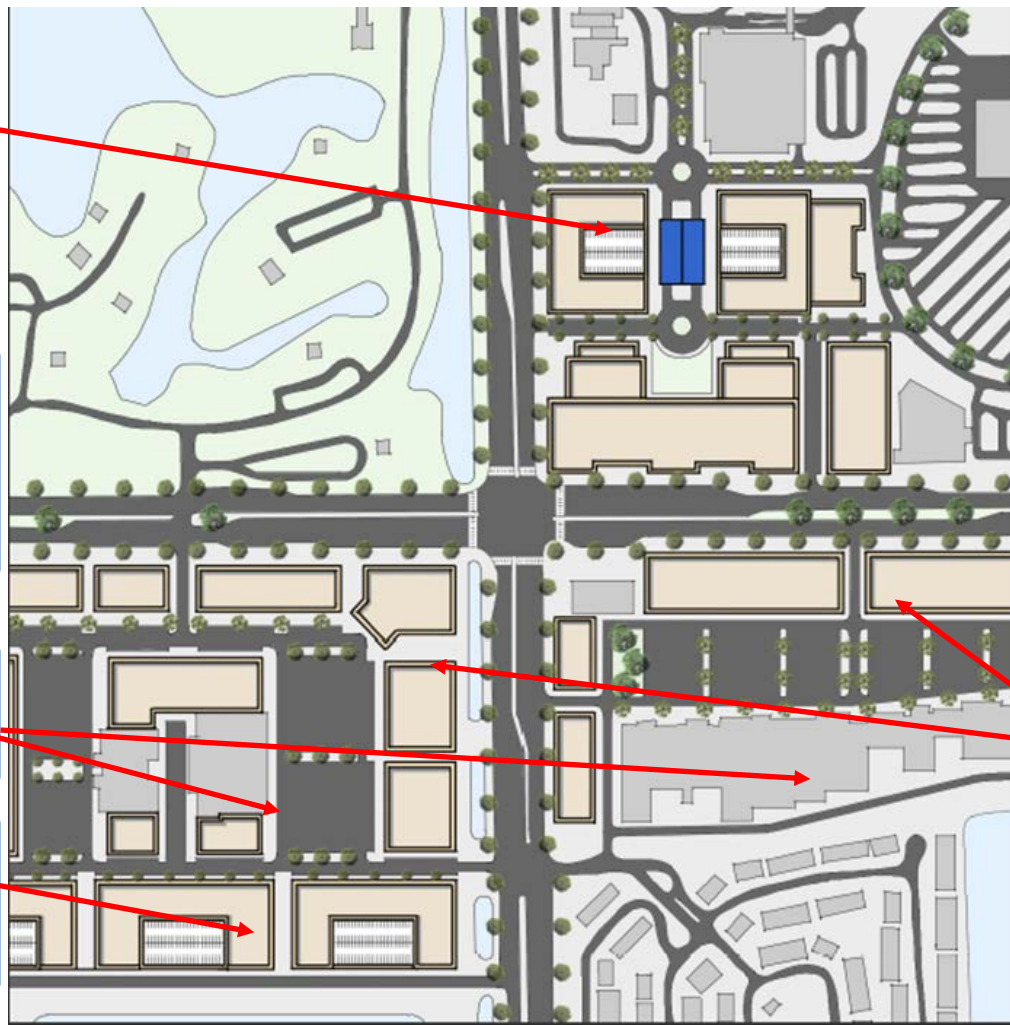
Walmart

Publix

Multi-family Residential



Pines Blvd & Flamingo Road



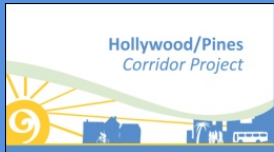
Consider splitting BCT Route 7 to the east and west of Flamingo Road

Preserve anchor tenants

Accommodate multi-family development

Shift bus transfer center from mall to redevelopment site; transit routes circulate through Mobility hub convenient to the hospital, mall and new land uses

Wrap retail using mixed-use "liner" buildings



Pines Blvd & University Drive



Current 95E
Park-n-Ride Site
(Publix)

Lowes

Multi-family
Residential

Retail

Retail

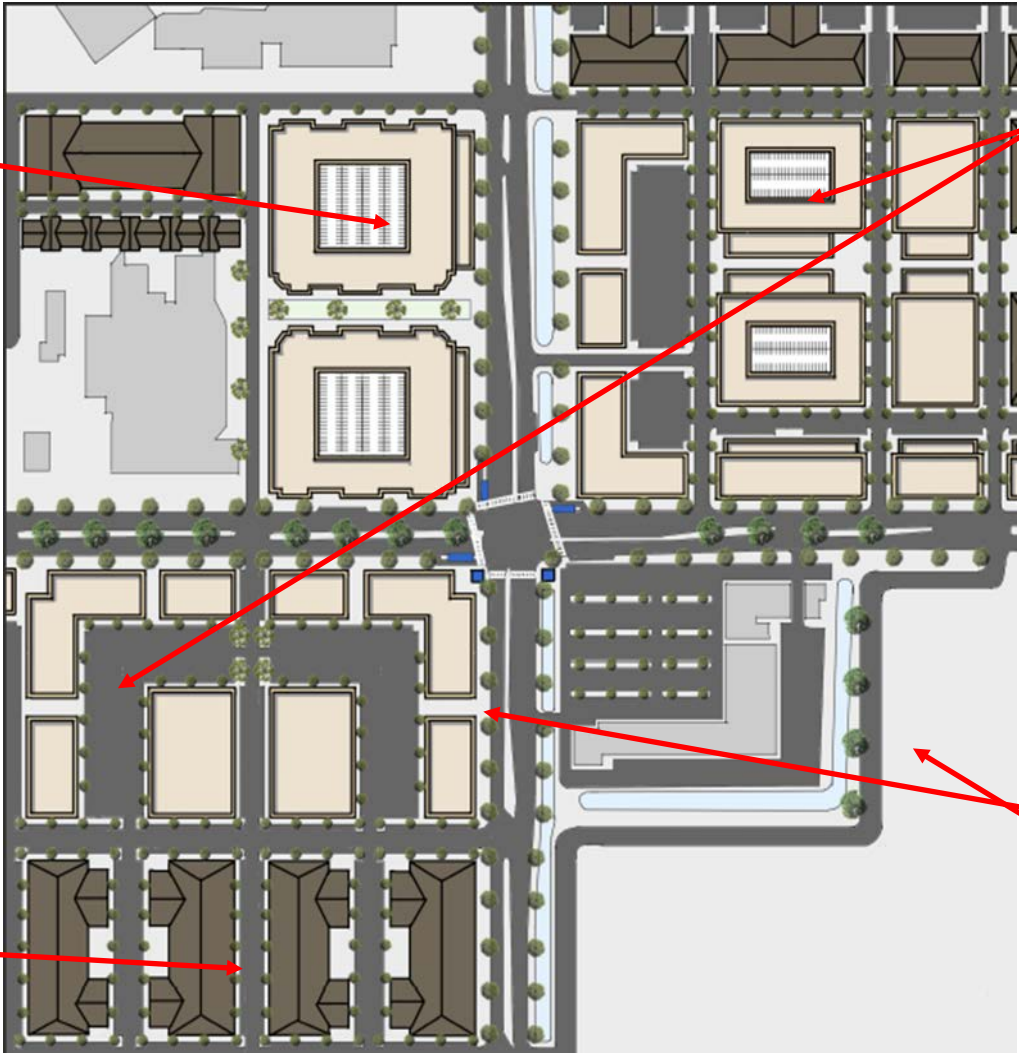
Multi-family
Residential

Car dealership
& storage

Aviation
Authority
Property

North Perry
Airport

Pines Blvd & University Drive



Infill development with shared/structured parking

Longer-term mixed use development

Redevelop as multi-family (mid-term)

Limited development potential, but short-term use for Mobility Hub and park-and-ride options

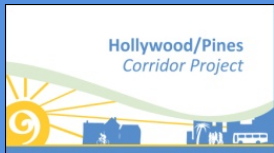
Summary of Recommendations:



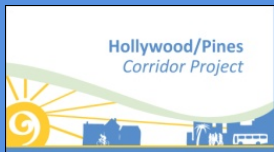
— Complete Street Projects — Multimodal Enhancements

- 31 Bicycle facility projects (24 miles)
- 10 Sidewalks/side-path projects (8 miles)
- 33 Crosswalks and pedestrian enhancement recommendations
- 3 major complete streets projects
- 10 bus stop enhancement/ siting recommendations
- 9 Traffic operations opportunities
- Urban design toolkit

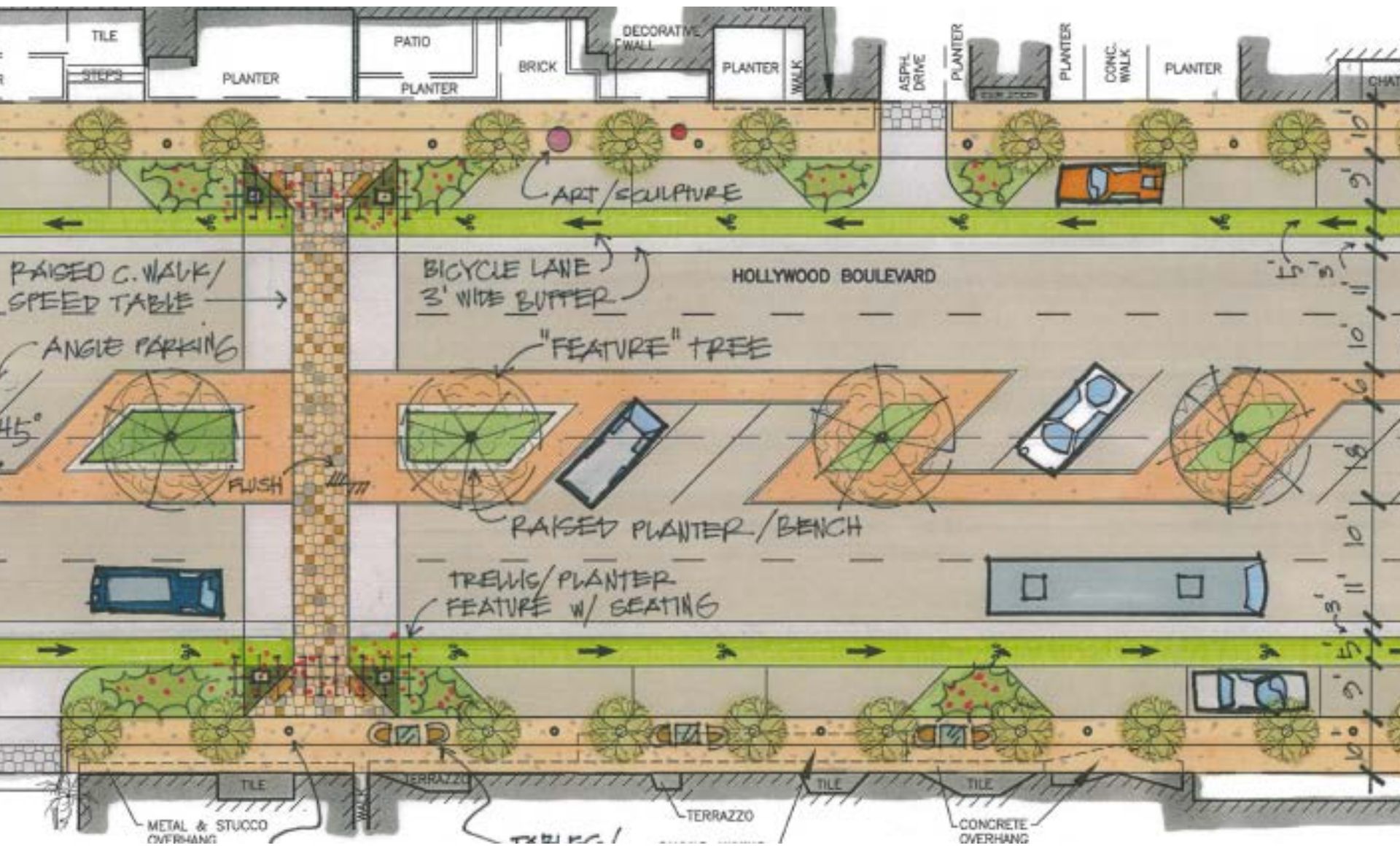
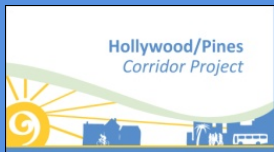
Example Complete Streets Project:



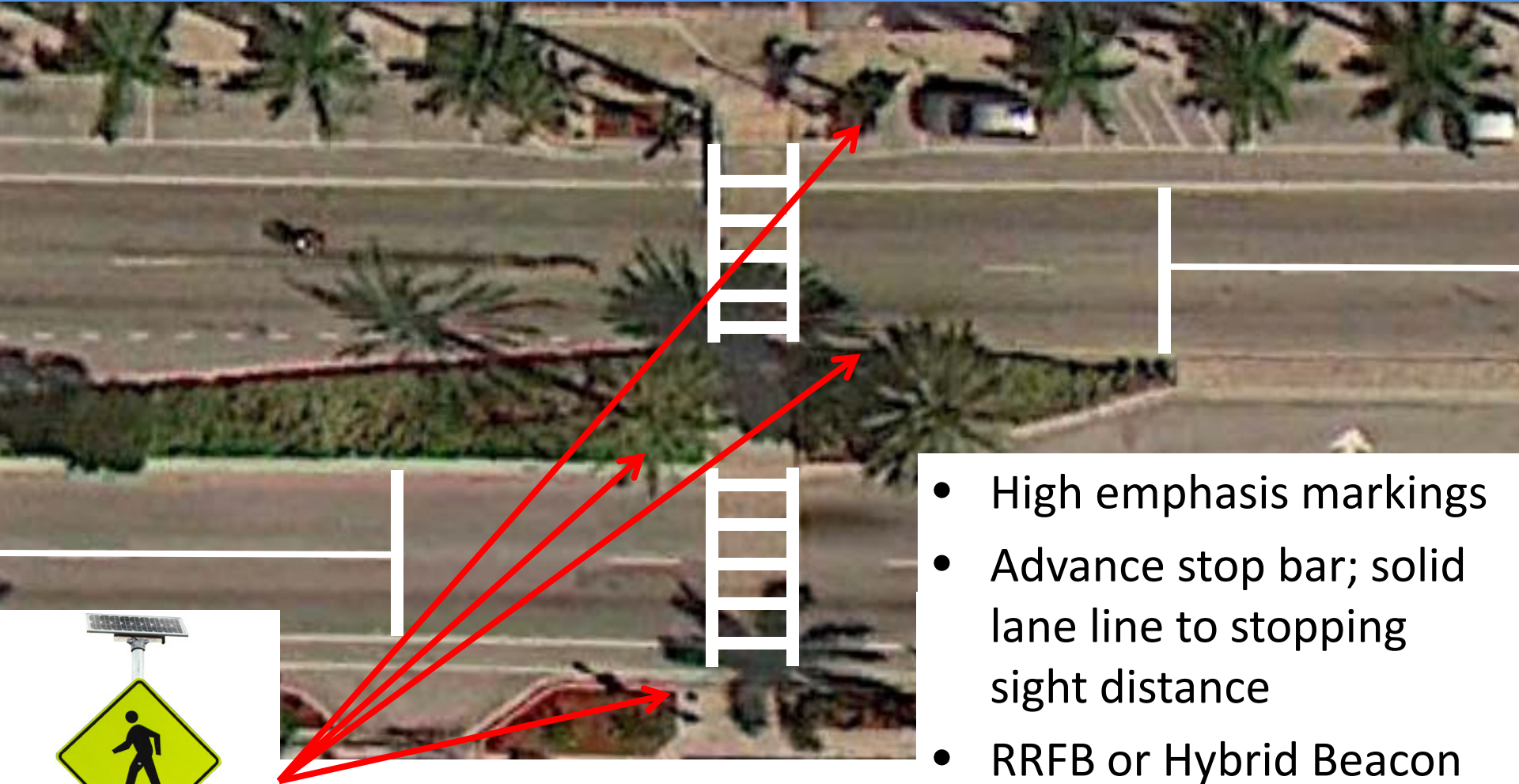
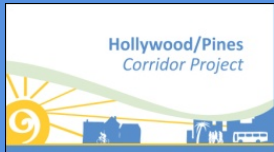
Example Complete Streets Project:



Example Complete Streets Project:



Example Pedestrian Safety Enhancement:

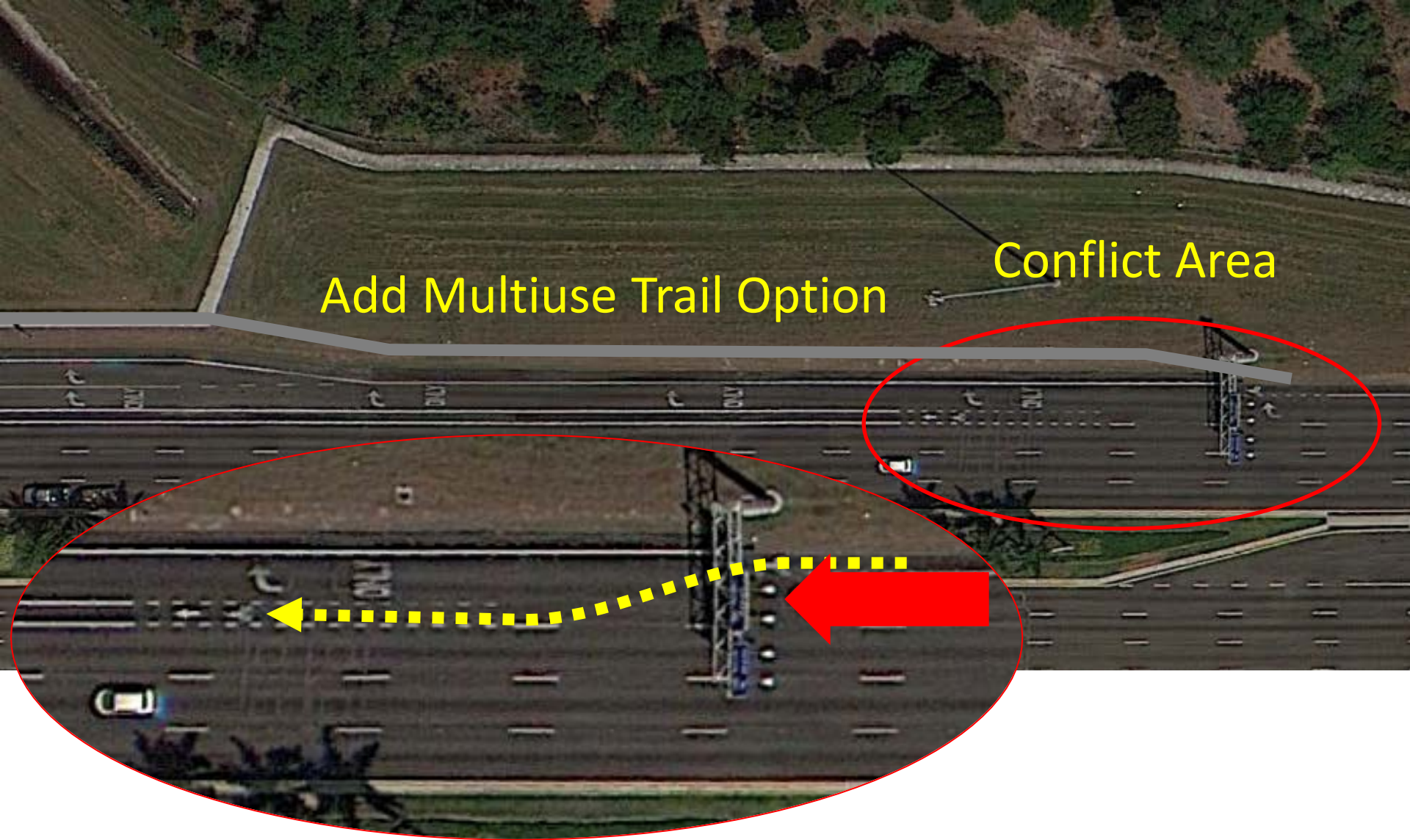


RRFB = Rectangular Rapid Flash Beacon

- High emphasis markings
- Advance stop bar; solid lane line to stopping sight distance
- RRFB or Hybrid Beacon
- Check lighting
- Check landscaping



Example Multimodal Facility Project:



Add Multiuse Trail Option

Conflict Area





- iTown Hall
- Agency Coordination
- City Commission and MPO Committee Briefings





- Advanced signal controllers, adaptive control
- Real-time monitoring
- Driver information



- Intersection lighting enhancements
- Bus stop placement
 - For safer/more convenient access
- Evaluate elimination of bus route deviations
- Other safety and operational considerations





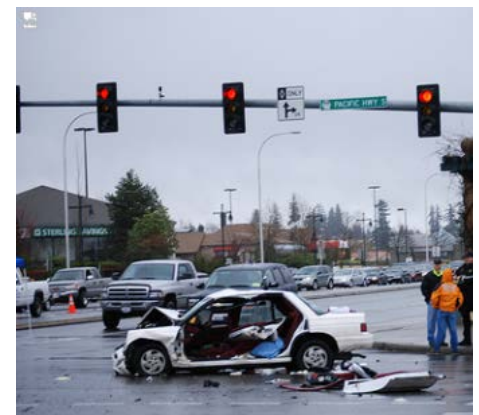
- Sidewalks and Bicycle Lanes
 - Roadway characteristics
 - Quality of existing facilities
 - Potential to provide access to transit
 - Availability of alternatives



Project Prioritization



- Bus Stop Enhancements/Relocation
 - Stop ridership
 - Roadway characteristics
- Traffic Operational Improvements
 - Extent of congestion
 - Traffic volumes
- Multimodal Safety Enhancements
 - Exposure
 - Crash history





- Projects in Pipeline
 - \$80m of multimodal enhancements identified
 - \$20m programmed in TIP
- Guidance for Future Efforts
 - Focus on “Complete Streets” and walk/bike access to transit
 - Need for micro-level transfer data to finalize transit stop placement decisions
 - Not all Hubs are TOD ready but multimodal infrastructure is still key!

Demian Miller, AICP

Associate Principal

Tindale-Oliver & Associates, Inc.

813.224.8862

dmiller@tindaleoliver.com

James Cromar

Director of Planning

Broward MPO

954.876.0038

cromarj@browardmpo.org

