



Are you involved in land use planning?

Are you involved in transportation planning?



"We make bowls and perfumes..."

Source: http://my2.tupperware.com

Osceola Corporate Center 2008 DRI Development Order

Proposed floor-area ratios and traffic-area ratios of this plan are as follows:

Use	Acres	Square Ft.	Floor/Area	Av Daily Trips	ADT/Acre
Office	161.99	1,402,616	.20	15,928	98.33/ac
Office/ Warehouse	99.28	887,163	.35	20,975	211.27/ac
Retail	166.16	1,874,658	.21	68,402	391.81/ac
Hotel*	20.49	662 units		6,247	277.01/ac

^{*}Through the use of an equivalency ratio, multi-family units are permitted at a density of 18 units per acre.

Industrial land uses responding to freight rail nearby.

What makes sense to developers?



What makes sense to Developers?



Change in Proposed Development

- 100 acre-TOD
- Mix of uses
- Multi-family residential

Tupperware Brands Corp. wants to change the planned uses for its 100-acre site next to the planned Osceola Parkway SunRail station as follows:

Type of use	Already approved	New proposal	
Office	1.4 million SF	1.9 million SF	
Office/warehouse	887,163 SF	80,000 SF	
Retail	1.9 million SF	1.8 million SF	
Multifamily	N/A	2,350 units	
Hotel	662 rooms	500 rooms	
Source: Osceola County			

Orlando Business Journal, September 16, 2011

Osceola County, in collaboration with the landowner, shall support the efforts of the State of Florida and other local governments to implement the SunRail commuter rail system in east central Florida by crafting a regulatory framework that encourages implementation of Transit Oriented Development (TOD). The TOD shall be located on parcels 18, 20, 21, 22 and 23 as identified on Map H attached hereto. The development program for these parcels shall be as follows:

The densities for the TOD parcels shall be as follows.

USE	F.A.R. (Min)	RESIDENTIAL (Min)	
Residential		20 du/acre	
Office	0. 45		
Retail	0.30		
Hotel			
Office/Warehouse	0.40	N/A	

2011 DRI Development Order

It makes sense to developers

"Tupperware, which has about 300 employees, is planning apartments, shops and offices on property surrounding (the SunRail station).

(Development will consider a) bike stand to encourage workers to ride the three-quarters of a mile from the depot to the office."

Orlando Sentinel, July 5, 2011

Partnership towards Multi-Modal Mobility

FDOT: Commitment to build SunRail

Osceola County: TOD Overlay Zoning

Developer: Commitment to build TOD;

9 acres donated for station



Evolving DOT Role

Driveway Permitting



credit: Pablo Abreu / Flickr

Planning Guidance

Freight Mobility

• Transit and TOD Planning

True Partnership

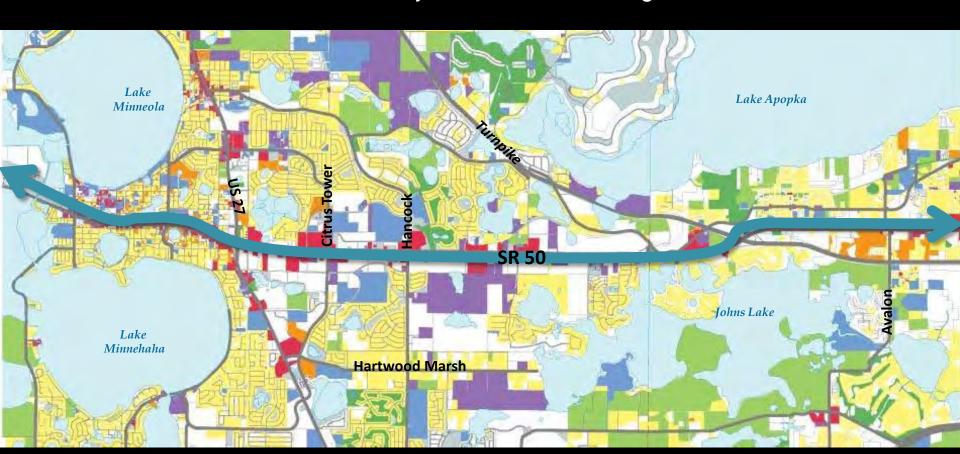
Florida DOT- District
 5 Multi-Modal
 Corridor Planning
 Initiative

 Lake~Sumter MPO-Implementation of Transportation 2035



the challenge

- 4-lane major arterial, recently widened to 6 lanes
- Future travel demand far exceeds future capacity
- Limited alternative parallel network
- Roadway being used for BOTH local and regional trips
- Designated a multi-modal corridor in TRANSPORTATION 2035
- Multi-modal solutions viable only with land use strategies

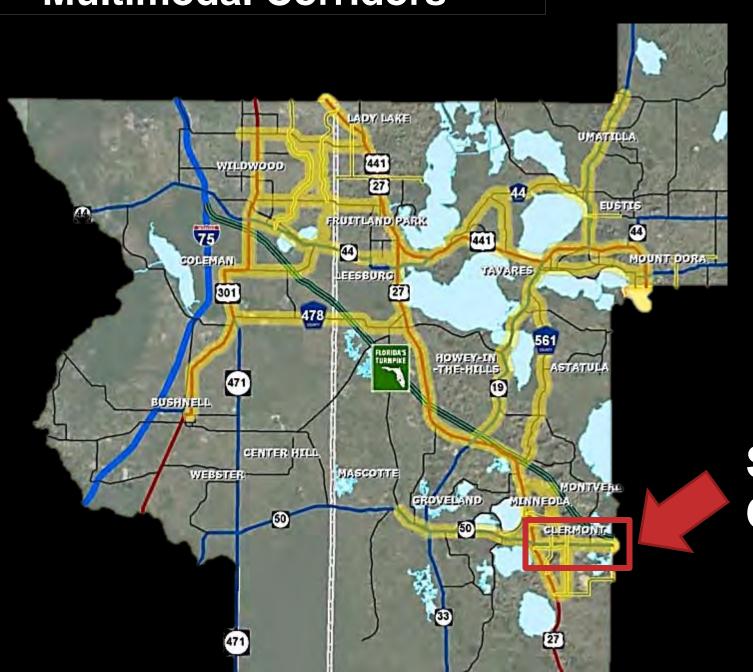


Land Use & Transportation Goals

- Focus on Corridors and Centers and consider
 - Designation of Multimodal Transportation Districts
 - Multimodal or Transit Oriented Development Overlays
- Prioritize creation of policies that support 'walkable' places:
 - Moderate density and mixture of land uses
 - Complete Streets design guidelines
 - Direct future growth within these centers

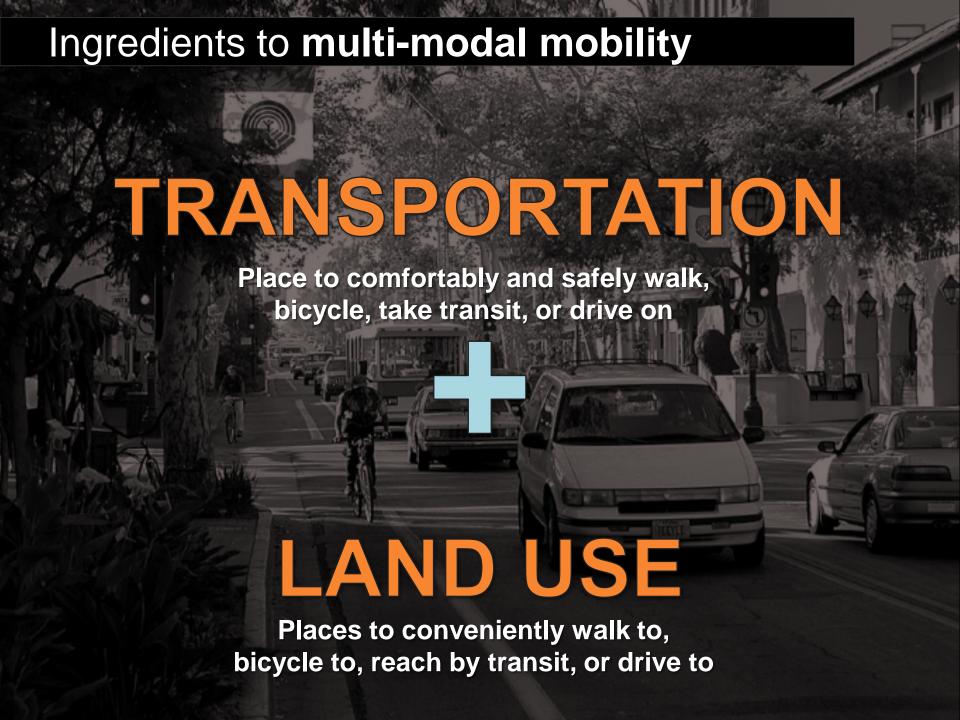


Multimodal Corridors



SR 50 Corridor





SR 50 planning process



the trips are local



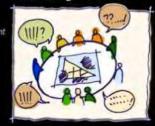
is being



Clermont + Environ



A Collaborative **Planning Charrette**



The Challenge



The Study not just a bedroom communit anymore.







Understanding the Problem

Field Work, Traffic

Mapping and Analysis



Disney

Alternative ways of travel possible with land use and transportation changes

Guiding Principles

Scenarios for **Future Travel**

Corridor Action Plan

6

The Findings



The Turnpike - now completed - provides a new and faster connection to N & S Florida

Residential development continues S & E of downtown

Commercial Development starts along SR 50 near US 27

Small subdivisions become a more common as a development type





Rapid residential development occurs

Citrus Tower Blvd becomes a major connection to SR-50





Some development on previously approved master planned communities continues

Few sections of local network added

Development of large commercial parcels becomes common

Most of undeveloped land is located along the south side of SR 50 and East of US 27

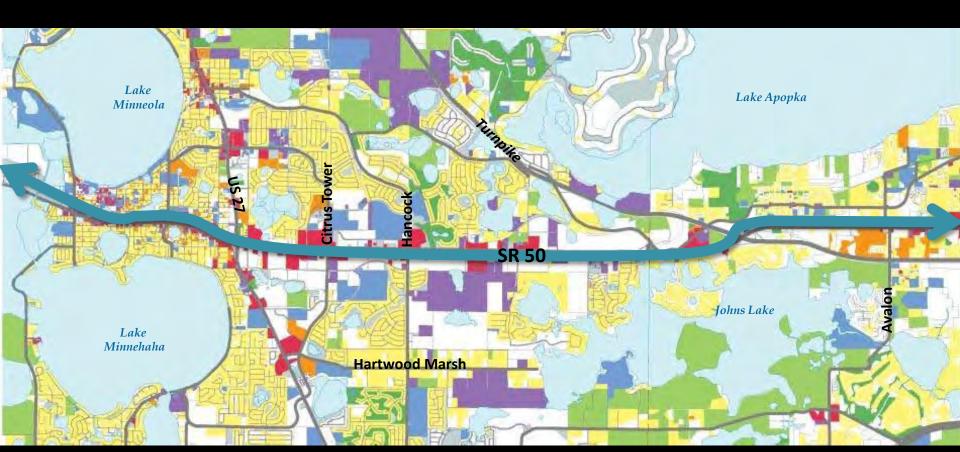


US 27- 2002 Lost Lake lmage ∪ S. Geological Survey © 2012 Google

US 27- 2008

the challenge

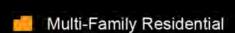
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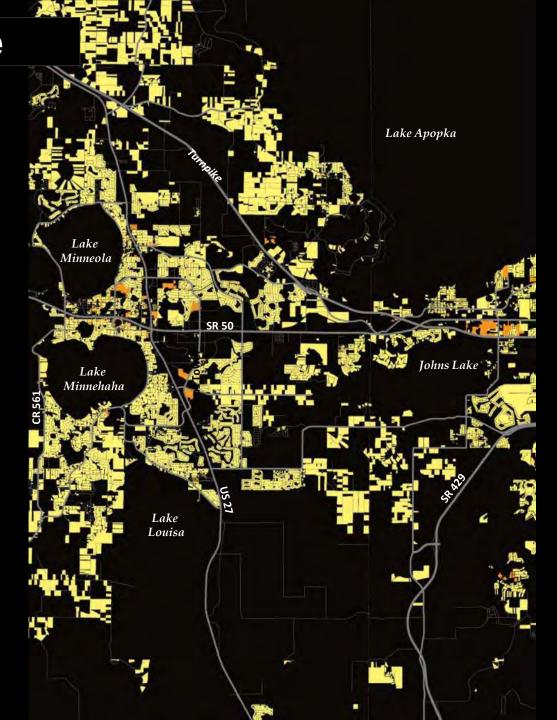
residential land use







Single Family Residential



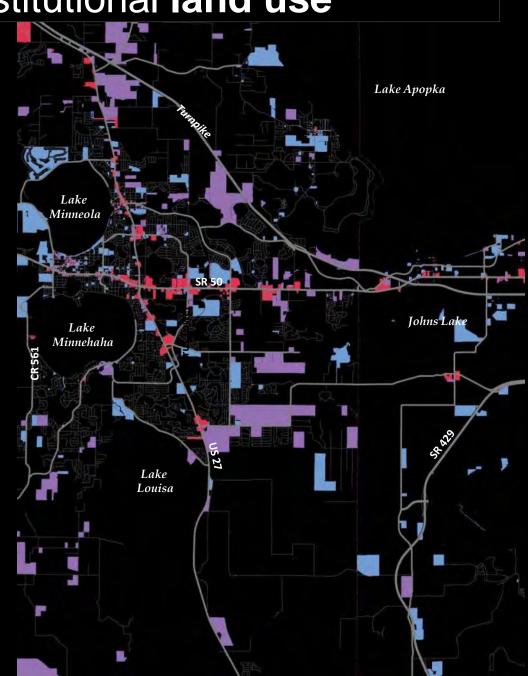
commercial/office/institutional land use







- Commercial
- Industrial and Office
- Institutional



open space/conservation

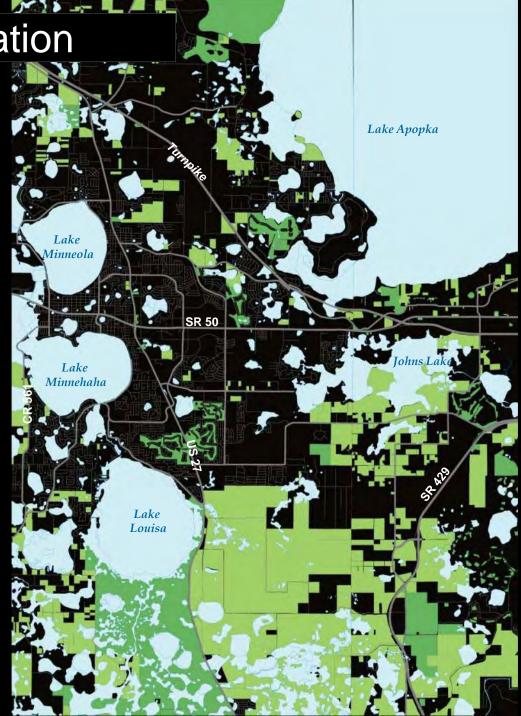






Agricultural

Recreational, Conservation, and Open Space



understanding travel patterns

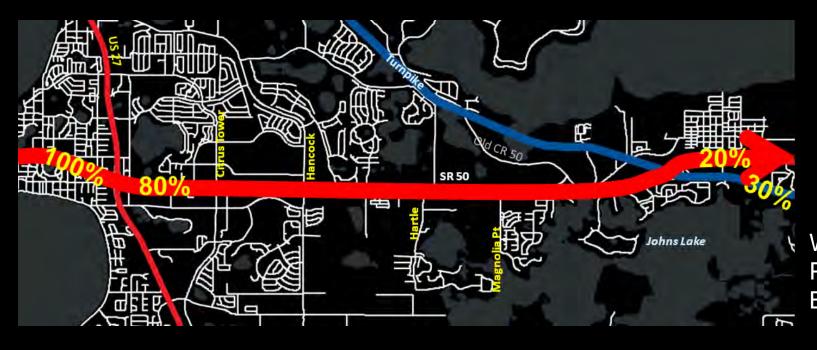
- 24-hour tube counts
- Peak-hour turning movement counts
- BluetoothTM MAC address matching
- CFRPM Select Link Analysis
- Census LEHD Data







Corridor used for local traffic



Weekday AM Peak East Bound Traffic



Weekday PM Peak West Bound Traffic





Network does not support effective multi-modal local traffic



Historic Clermont Street Network

Newer Development East of Clermont

hands-on interactive sessions





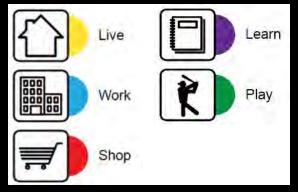






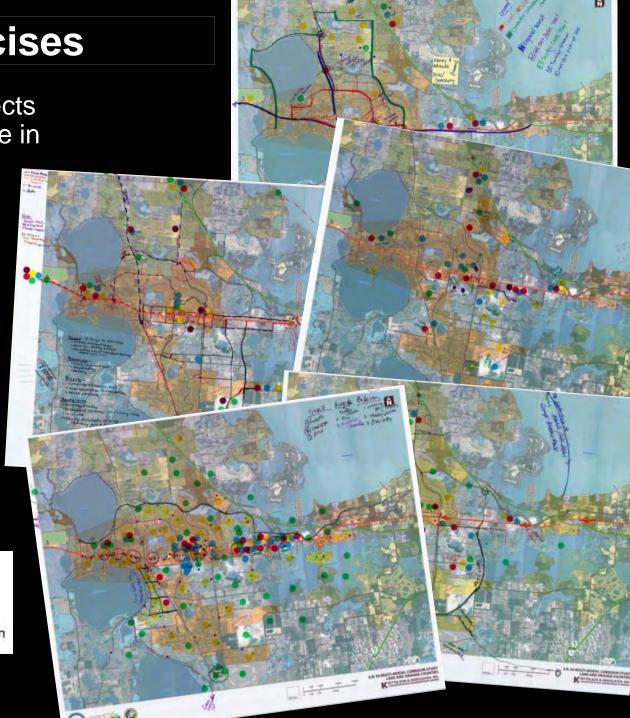
Break-out **exercises**

 Develop a map that reflects activities you'd like to see in the area. Where do you want to:

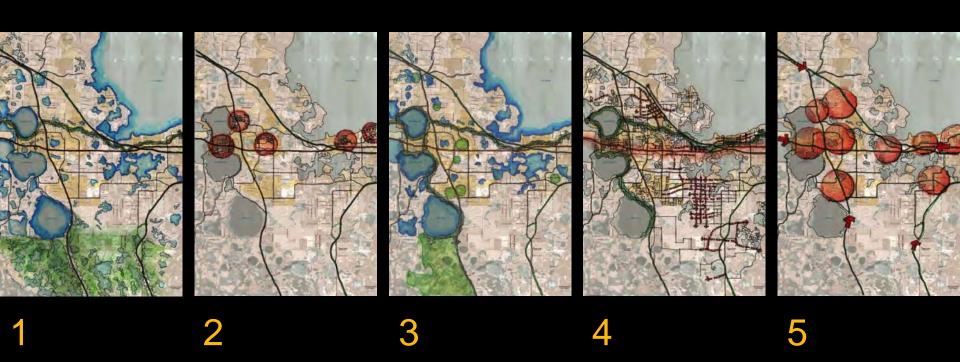


 How can you link these activity areas through multiple modes?





community values & guiding principles



Preserve & Celebrate Our Landscape

Preserve Historic Character & Sense of Place More Play

Enhance Local Connectivity & Walkability

"Turn the Car Around"

Corridor-wide Scenarios



SCENARIO A

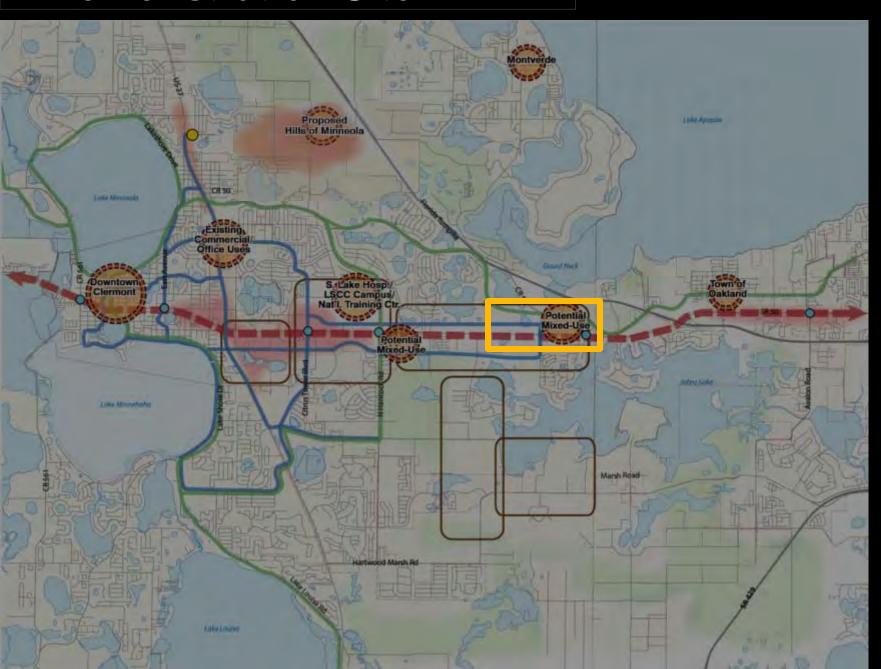
- Reflects existing trends and approved plans
- Commercial development along SR 50 intensifies
- Programmed roadway widening and extensions
- Limited transit improvements



SCENARIO B

- Growth directed to concentrated areas of mixed-use nodes
- Substantial undeveloped land remain
- Nodes supported by network of streets and local transit
- Potential for future premium transit service along SR 50 is enhanced

Demonstration Site



Demonstration Site Scenario A



- 1. Large-format retail building
- 2. Potential home improvement store
- 3. "Junior boxes" (65K sqft)
- 4. Multi-tenant retail buildings (12K to 30K sqft)
- 5. Outparcel buildings

- 6. Single-family residential
- 7. Driveway provides service function
- 8. Storm water retention ponds
- 9. A large portion of the site is dedicated to parking
- 10. Existing wetland and some tree canopies

Demonstration Site Scenario B LAND USE LEGEND Single-family Community residential 66 Single-family Lots Parking garage 214 Apartment Units Aixed-use with retail uses building **62 Townhomes** 66 Residential Condominiums Office building Local street 615,000 sqft of Commercial/Office Multi-family Surface parking Old County Rd 50 S. Lake Trail State Road 50

- 1. Mixed-use buildings
- 2. Shared-use parking garage
- 3. Two-story townhomes
- 4. Single-family residential homes
- 5. Commercial buildings
- 6. Class A four-story office-buildings
- 7. Multi-family apartments frame parking garage
- 8. Four-story residential apartment buildings
- 9. Two to three story live-work buildings

- 10. Single-family residential uses
- 11. "Out-parcel" commercial uses
- 12. West Orange Trail and linear park
- 13. Community park/plaza
- 14. Parks accessible from public streets
- 15. Shared storm water ponds are part of park space
- 16. Two or three-lane public streets
- 17. Multi-use trails connect to the W. Orange Trail
- 18. Alleys provide additional access



Scenario A



Scenario B

Potential Bus Stop

Existing Roadway

Proposed Roadway

Existing Multi-use Trail

Proposed Multi-use Trail

comparing the scenarios

			Scenario		
Goal	Objectives	Metric	Α	В	
Multi-Modal Mobility	Increase mobility through	Streets with pedestrian/ bicycling facilities (feet)	5,750	29,590	
	alternative modes	Linear feet of pedestrian-friendly streets (feet)	4,120	19,840	
		Housing density (du/acre)	6.2	22.0	
	Increase transit ridership	Number of employees	1,490	1,570	
	and capture choice	Number of housing units	77	408	
	riders	Flexibility of transit routing	Low	High	
		Proximity of potential transit stop to land uses served	Low	High	
	Reduce external traffic	Vehicular trips generated (PM Peak Period) (vph)	4,510	2,840	
	impacts	Trips captured internally (PM Peak Period)	4%	12%	
ss to	5 <i>m</i>	Number of public street links between state and local roads in the east-west direction	0	2	
Multi-Modal Access to Corridor Destinations	Provide efficient internal vehicular mobility	Number of public street links between state and local roads in the north-south direction	1	4	
dal ' De		Overall street connectivity (inters. connect. index)	0.76	1.86	
Mo		Area of publicly-accessible parks (acres)	26	147	
ulti- orri	Access to community parks and open spaces	Direct street or trail access to community parks (feet)	3,240	16,040	
δğ	parks and open spaces	Fronting uses along multi-use trails (feet)	1,120	7,920	
	Provide a mix of land	Diversity of land use types per building	1	2	
Development of Complete Places	uses	Diversity of housing types	1	5	
	Accommodate incremental changes	Average block size (acres)	33.2	2.9	
	over time	Ability to allow land use change	Low	High	
	Preserve existing natural features	Area of disturbed hills	13.5	3.4	

demonstration site – scenario B

demonstration site – scenario B



a system of complete streets

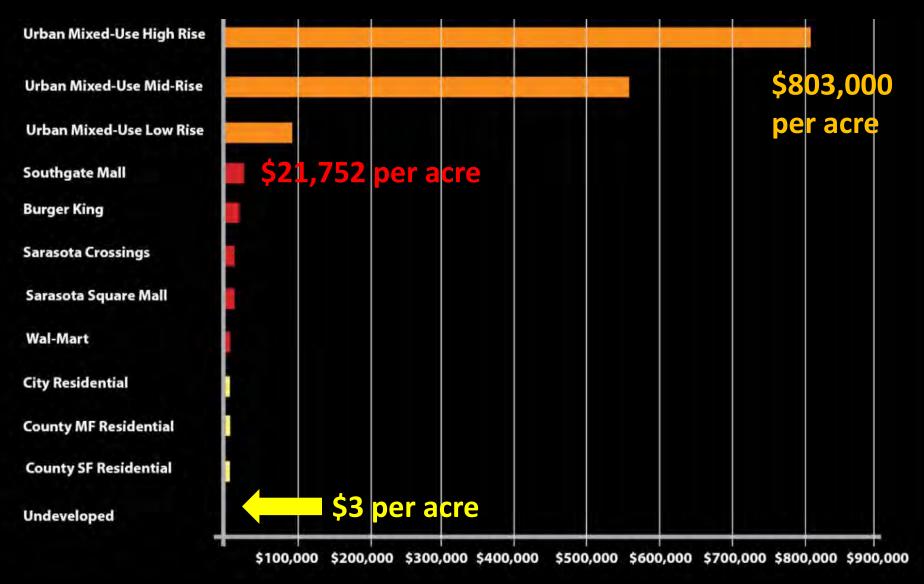








tax yield and development types (\$ per acre)



Source: Sarasota County, Peter Katz (fmr Smart Growth Director),
Presentation to the Sarasota County Board of County Commissioners, September 2009

what this **means**

1 Acre

moderate mixed-use high-rise



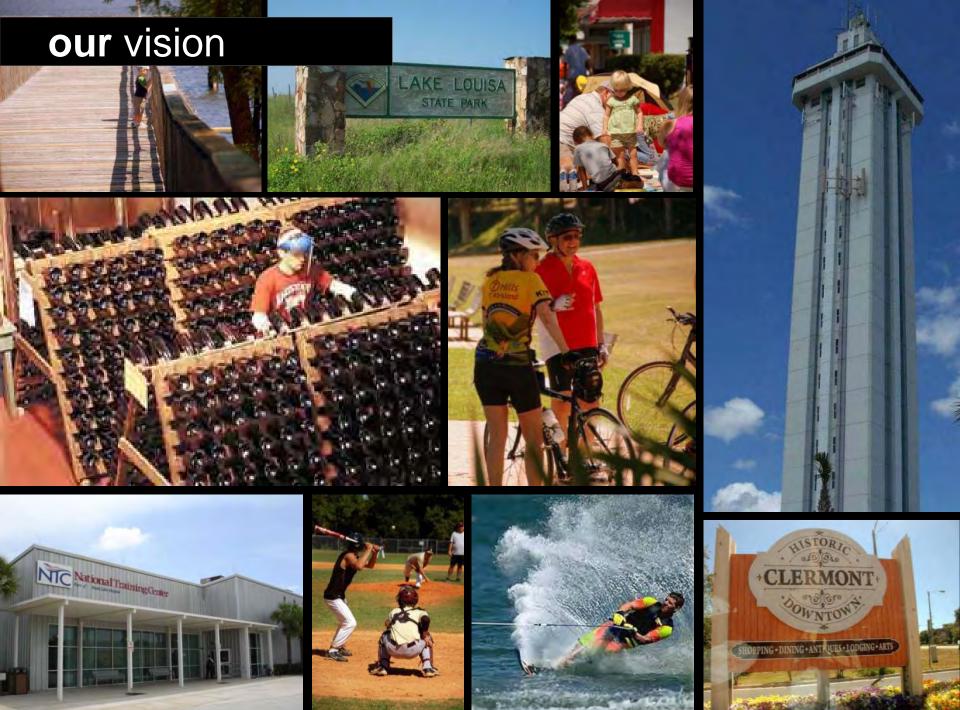
Source: Sarasota County, Peter Katz (fmr. Smart Growth Director),
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21 Acres Super Walmart



34 Acres Southgate Mall

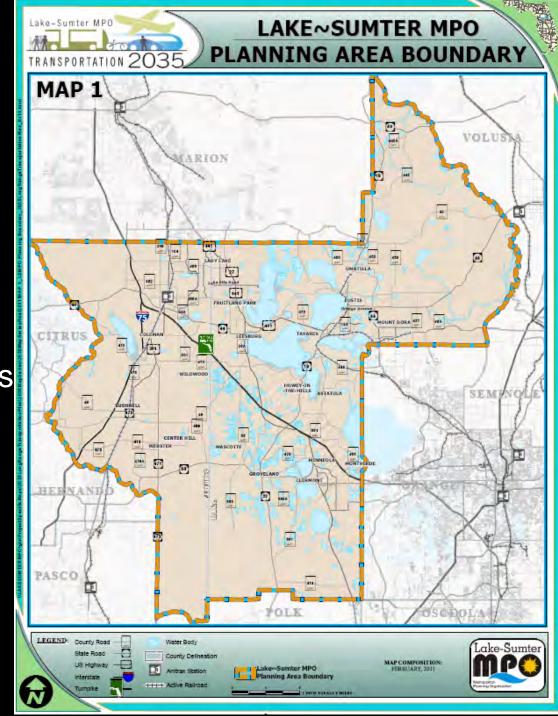






- □ Designated in 2004
- □ Reapportioned and Redesignated in 2010
- ☐ Two Counties and 19 Municipalities
- ☐ Encompasses one complete urbanized area and part of two other urbanized areas
- ☐ 16 Voting Board Members
- □ 3 Non-voting Ex-officio Board Members

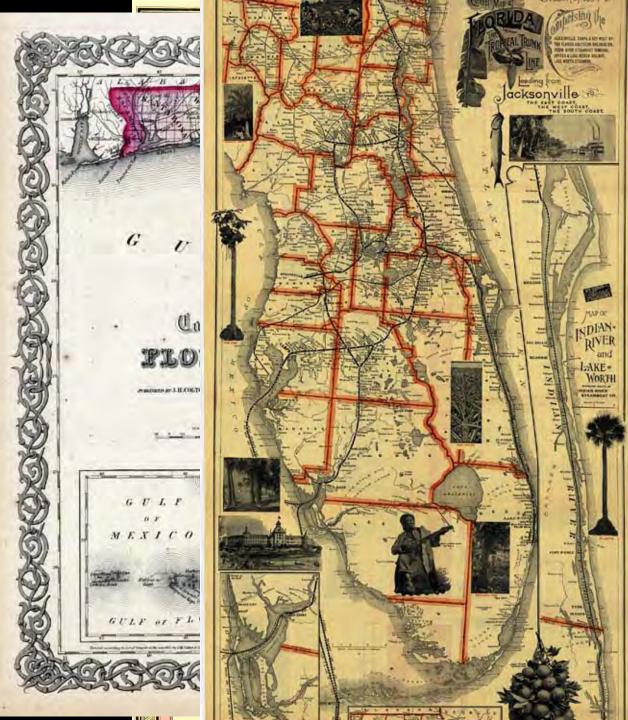


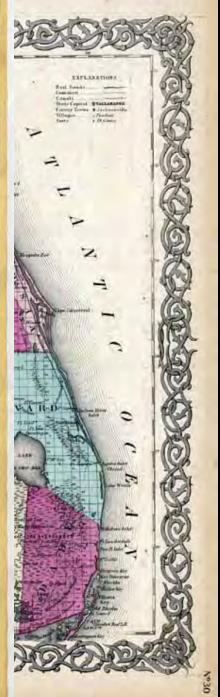


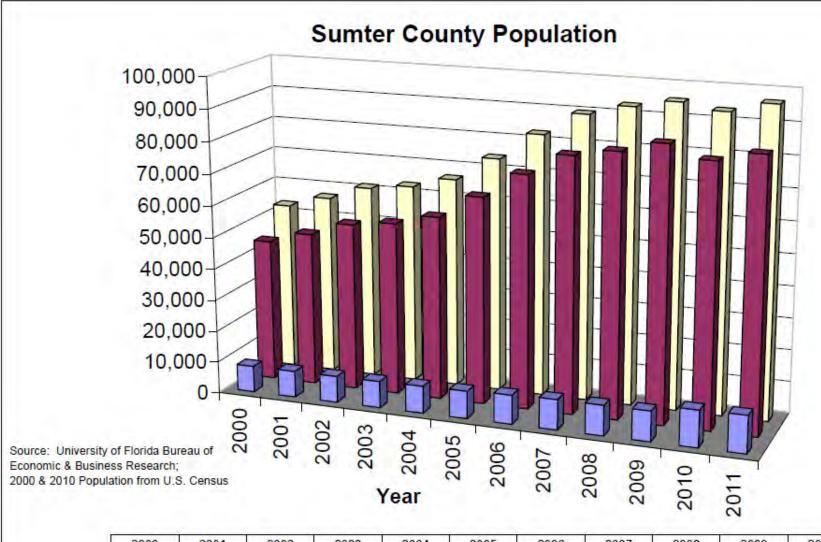


- □ Population 97,000
- □Area 580 square miles
- □Coleman Federal
 Corrections Complex
- □National Cemetery







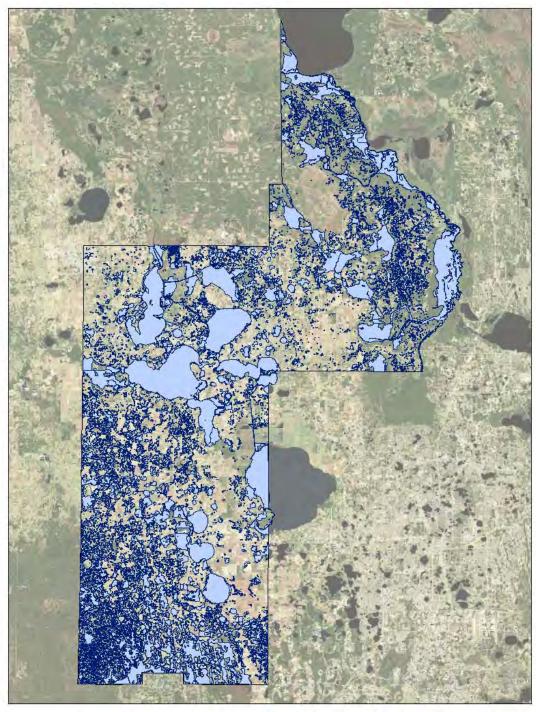


	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
□Incorporated	8,336	8,357	8,383	8,441	8,605	8,746	9,206	9,569	9,579	9,538	11,603	11,800
■ Unincorporated	45,009	48,575	52,965	54,560	57,811	65,306	73,393	80,202	82,445	85,788	81,817	84,815
□ Total County	53,345	56,932	61,348	63,001	66,416	74,052	82,599	89,771	93,024	95,326	93,420	96,615



- □ Population 297,052 (2010 Census)
- □Area 1,156 square miles
- □Leesburg International Airport
- □ America's Seaplane City - Tavares





TRANSPORTATION 2035

- Plan adopted in December 2010
- Role of MPO in implementation....
 - Advancing new MPO goals, objectives and policies
 - Advancing project priorities
 - Coordinate with member governments to update local land use plans in support of multimodal transportation and economic development objectives

Land Use & Multi-modal Transportation

- Focus on Corridors and Centers
- Where do the designated Multimodal Corridors from TRANSPORTATION 2035 intersect with new or existing Centers?
- At these intersects, need to consider:
 - Designation of Multimodal Transportation Districts
 - Multimodal or Transit Oriented Development
 Overlays

Land Use & Multi-modal Transportation

- Prioritize creation of policies that support 'walkable' places characterized by:
 - Moderate density and mixture of land uses
 - Complete Streets design guidelines in designated 'centers'
 - Targeted 'centers' of one-quarter to one-half mile around future transit stations/intermodal hubs
 - Concentrate future growth within these centers/this form

Multimodal Corridors



Existing Center – Lake Square Mall

- Bus Rapid Transit (BRT) on 441 Multimodal Corridor
- Multimodal transportation district or TOD Overlay
- Redevelopment of Mall property with infill of outparcels in first 10 years
- Vertical construction, mix of uses and walkable streetscapes
- Redevelopment of entire site in 20 years
- Mall site as the new location of a major 'Center' and transit hub along the 441 Corridor

Lake Square Mall – today



Lake Square Mall – tomorrow



Lake Square Mall – at build-out



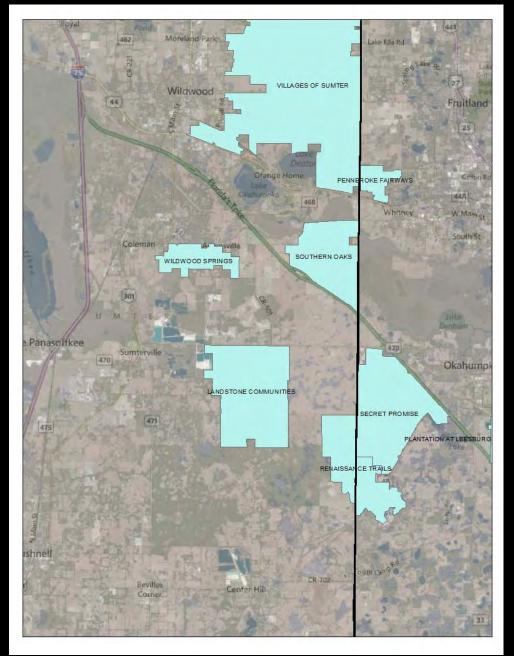
Lake Square Mall – today



Lake Square Mall – tomorrow



CR 470 Corridor – Sumter County



CR 470 Corridor – Sumter County

- Express Bus Route on CR 470 connecting new DRIlevel community with new Industrial Jobs Village to the west
- CR 470 remains as major 'mobility' corridor walkability occurs just 'off the corridor' within new centers of development
- Multimodal transportation district or TOD Overlay
- Mixed use village center, with single family, townhomes and condo/apartment residential
- Transit stop/park and ride within Village Center

CR 470 Corridor – Existing Site

(Development entitled)



CR 470 Corridor – New Village Center



CR 470 Corridor – Existing Site

(Development entitled)



CR 470 Corridor – New Village Center



Existing Center – Downtown Tavares

- Orange Blossom Express commuter rail station and local bus hub
- Downtown Tavares designed for 'walkability'
- Vision plan guiding local policies to allow for a concentration of mixed use, moderate density
- Potential for intermodal hub with SeaPlanes

Downtown Tavares – today



Downtown Tavares – today



Downtown Tavares



Downtown Tavares



PROMOTING **REGIONAL**TRANSPORTATION **PARTNERSHIPS**



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Are you a land use professional?

Are you a transportation professional?

How else can FDOT & MPOs help you implement multi-modal mobility?

What is your organization doing to advance multi-modal mobility?