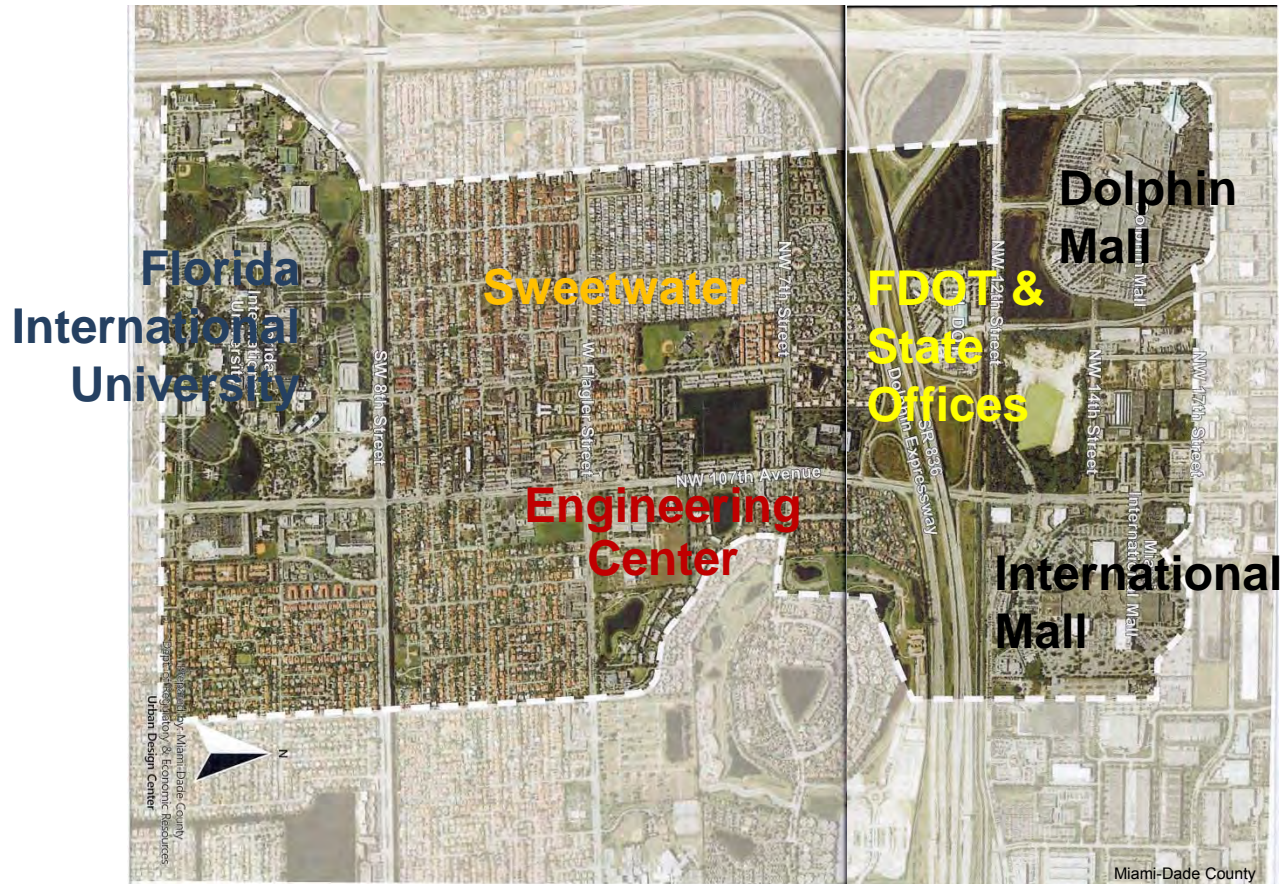


Advanced Transit Oriented Development

SR836 Express Enhanced Bus TOD Study Area – Best Use Workshop



April 2013
Tom Gustafson

People are beginning to understand...

What is TOD ...

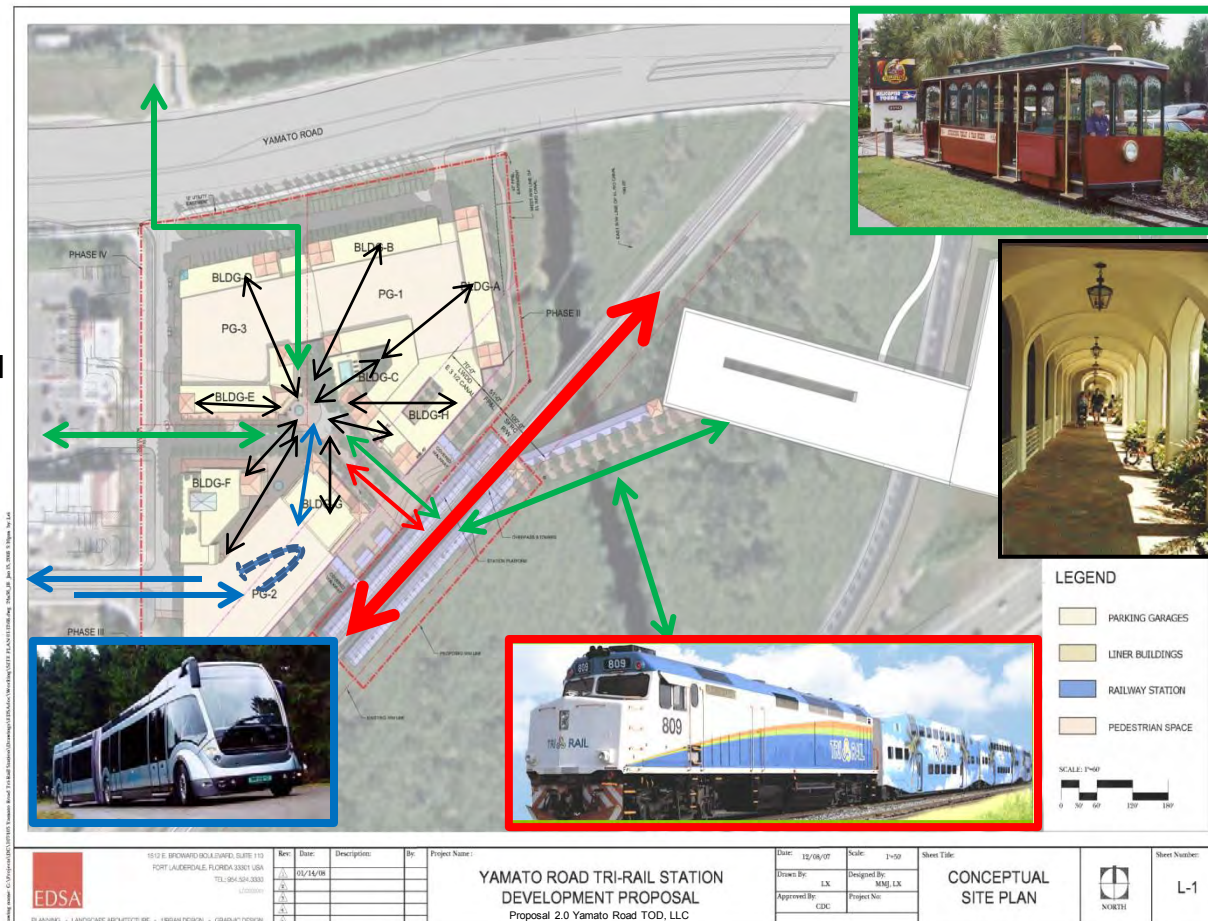
- Walkable special districts or neighborhoods located at & around transit stations in a ¼ to ½ mile ring
- Contains broad mix of uses (such as residential, office, retail, entertainment, civic/cultural)
- Tie-into local transit (trolleys, buses, taxis)
- Densities appropriate to context
- More compact than surrounding areas
- Built around civic plazas & community spaces
- Appropriate treatment of parking (shared, reduced & structured)



Advanced Transit Oriented Development

Specifically designed & arranged pedestrian-oriented urban centers to:

- Expand transportation choices
- Increase community, metropolitan area and regional mobility
- Lower costs to access all community destinations
- Improve pedestrian, bicycle and transit accessibility to all **essential** destinations
- Provide several strategies to respond climate change impacts
- Enhance all community conditions
 - *sustainable and improving economic prosperity, health, education opportunities, affordable housing, environmental preservation, equitable development, resiliency to climate change impacts*
 - *reduced congestion, crime, slum, and blight*
 - *increased productivity, jobs and real estate values*



PHASING

Phase I : Parking (currently built)

Phase II: Residential, Office & Retail (build structural parking and liner buildings; *existing parking in Phase I at-grade lots moved when structural parking built*)

Phase III: Office, Hotel & Retail (build structured parking over bus/shuttle terminal to create covered terminal; temporarily use existing Phase I at-grade parking lots for bus/shuttle parking)

Phase IV: Residential & Retail (build structured parking and liner buildings to complete project)



OVERALL DEVELOPMENT SUMMARY

CATEGORY		PHASE II	PHASE III	PHASE IV	TOTAL
RESIDENTIAL	sqft	100,400	26,000	79,800	206,200
	units	83	22	66	171
OFFICE	sqft	105,600	-	-	105,600
HOTEL (140 units)	sqft	-	70,000	-	70,000
RETAIL	sqft	30,000	10,000	15,000	55,000
PARKING	Spaces	401	310	420	1,131
OFF SITE PARKING	Spaces	600			600
TOTAL PARKING					1,731
GRAND TOTAL		236,000	106,000	94,800	436,800

ATODs in a Miami-Dade Context

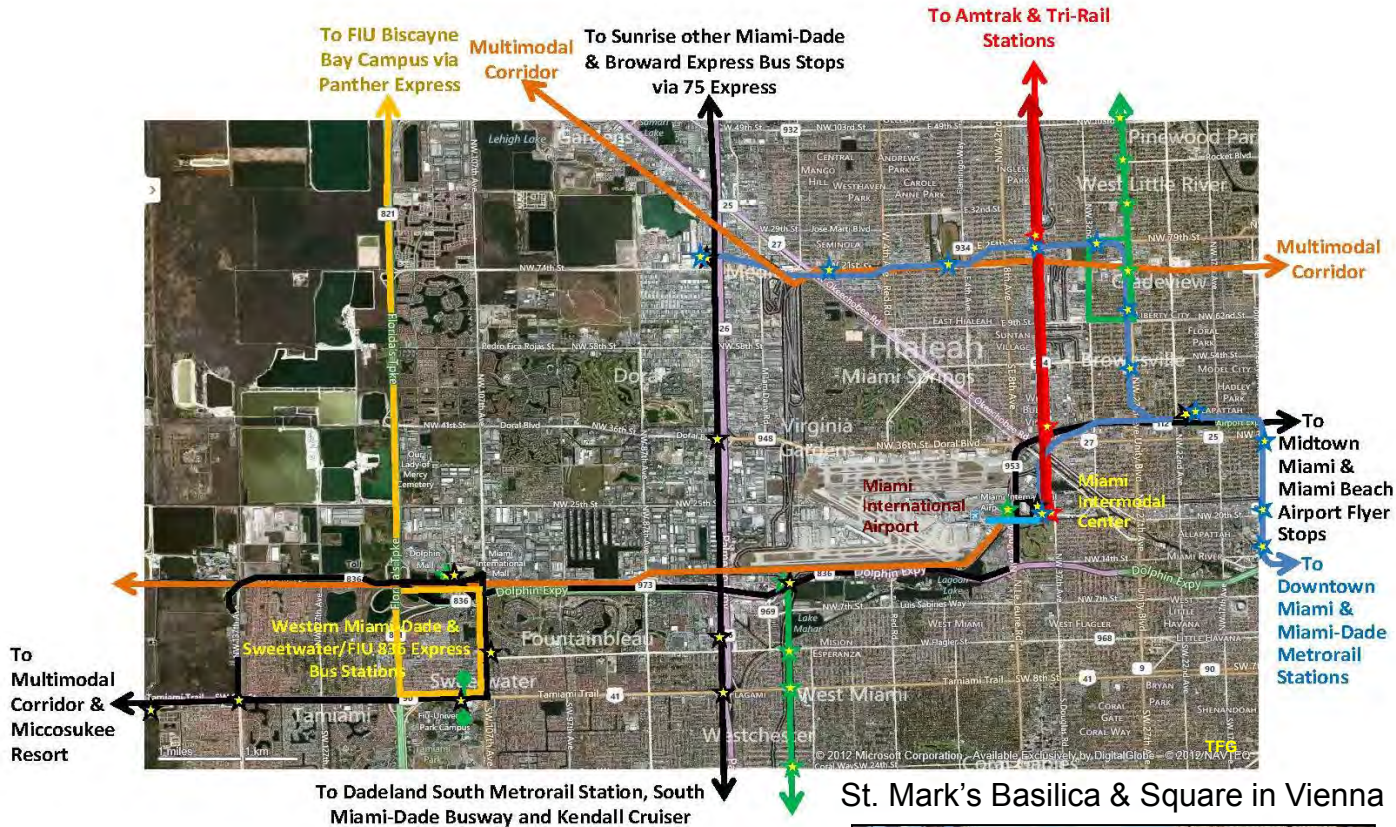


Latin American Studies at <http://www.latinamericanstudies.org/exile/calle-och-27.jpg>

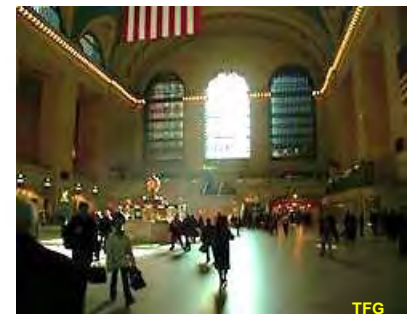
In Miami-Dade County hundreds of thousands of people participate in annual events such as Calle Ocho. The purpose of an advanced transit oriented development is to create within 3 to 6 city blocks such pedestrian crowds more frequently and adjacent transit stops that provide express service to many destinations throughout Miami-Dade County with 10 to 15 minute headways so that transport by foot, bike, community transit, express bus, Amtrak, Tri-Rail, Metrorail, MIA Mover, & Metromover is effortless, seamless and efficient.

Optimizing Mass Transit Assuming SLR and Global Competition

What do ATODs look like?



Grand Central Station in NYC



Galleria Umberto in Naples

St. Mark's Basilica & Square in Vienna

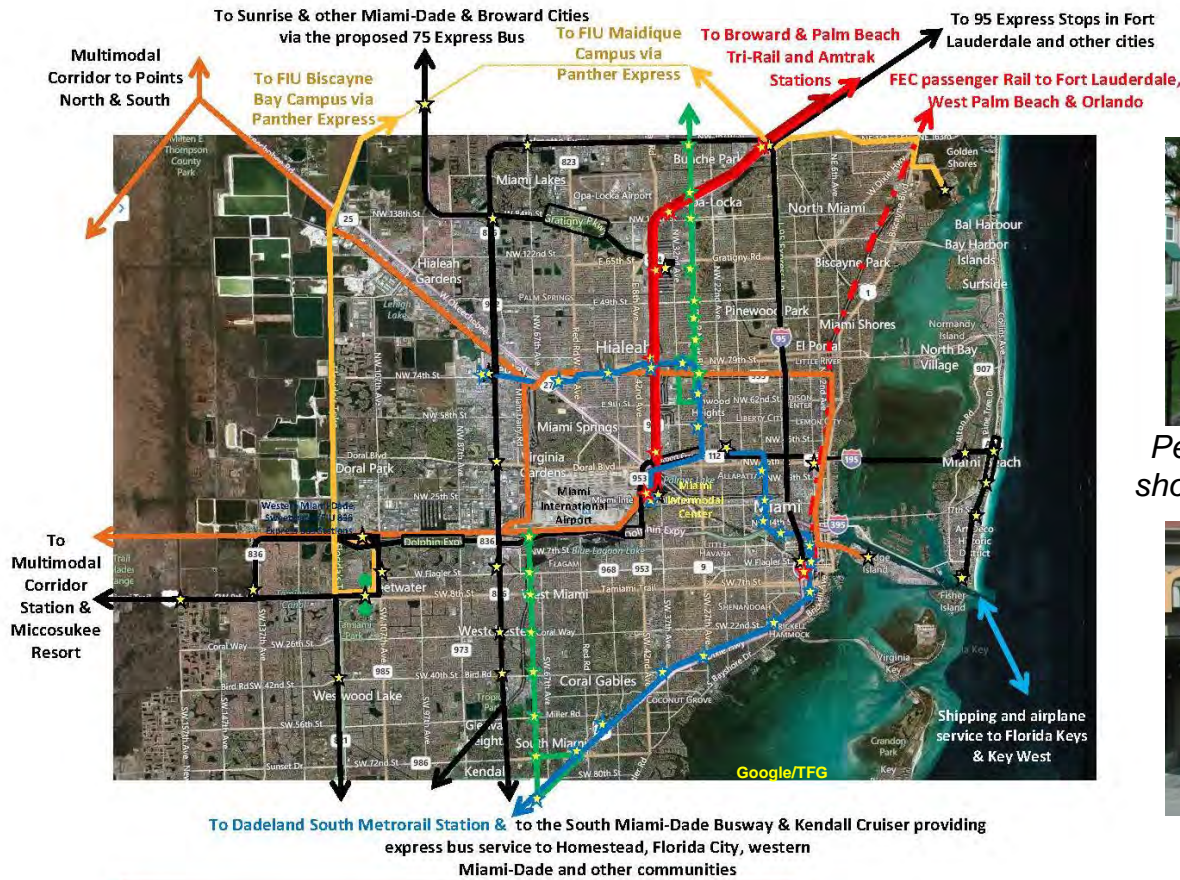


Great Public Places

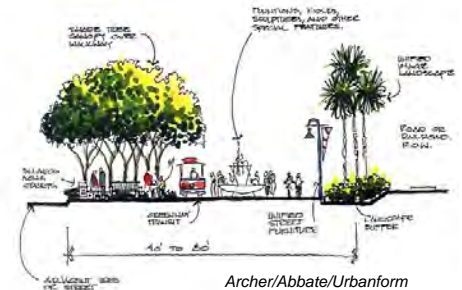
Metrorail & Stations		
Tri-Rail/Amtrak & Stations		
Express Bus		
Panther Express		
Multimodal Corridor		
Miami-Dade Streetcar		
UniversityCity improvements		
MIA Mover		

Optimizing Mass Transit Assuming SLR and Global Competition

What do ATODs look like?



Pedestrian ways through city blocks to shorten them & green markets in Ottawa



Useful Public Outdoor Spaces

Optimizing Mass Transit Assuming SLR and Global Competition

Multimodal Corridor to Central Florida and Points North

Express Bus to Treasure Coast Stations & Stops

Passenger Rail Service to Tri-Rail & Amtrak Stations
FEC Passenger Rail to West Palm Beach and Orlando



What do ATODs look like?



Plaza & Olive tree in Palma de Mallorca



Ancient outdoor theatre in Fiesole

Great Public Stages

Optimizing Mass Transit Assuming SLR & Global Competition



What do ATODs look like?



Great Public Transit

What do ATODs look like?



Central Park in New York



Roundabout in Fort Pierce



Pedestrian, bicycle and carriage street in Vienna



Jacques-Cartier Park in Montreal

What do ATODs look like?



Crossroads in Old Quebec



International Drive street crossing in Orlando



Street entertainment in Ottawa



Giovanni Battista Piranesi

Spanish Steps of Rome (Scala di Spagna)



Intermodal facility, shops, offices & structured parking in Halifax



Ultra-low floor trams in Vienna



Historic Trolley along NE 2nd Avenue in Miami (1907)



Kids and businessmen in plaza with traditional trams in Vienna