



# Advanced TODs and Transit Greenways

## Opportunities and Applications Presentation

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**Prepared by:**

Thomas F. Gustafson  
Lehman Center for Transportation Research  
Florida International University  
Miami, Florida

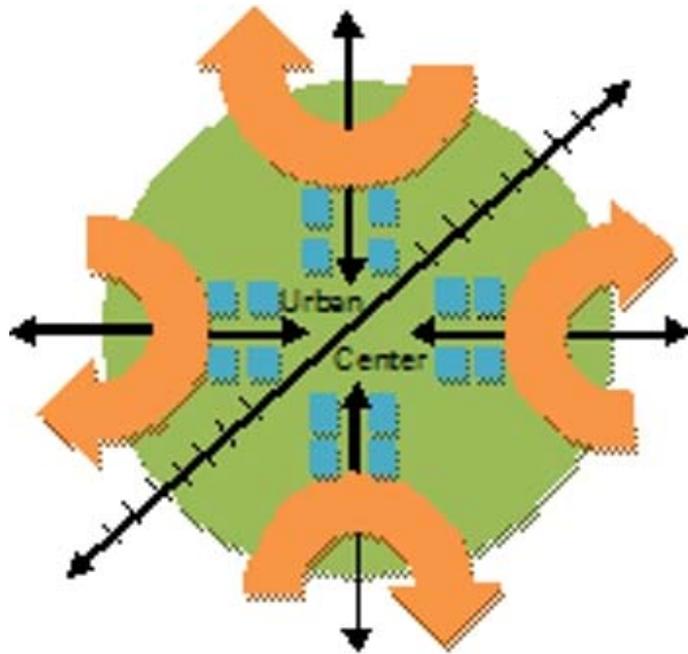
# Advanced TODs with Transit Greenways

**“... creating high quality pedestrian space with mixed-use parking facilities located at the perimeter of an urban center and provide for small transit vehicles to run through or adjacent to the pedestrian-oriented corridors linking parking structures and all nearby community destinations.”**

# Automotive vs. Pedestrian-oriented Design

Automotive-oriented design	Pedestrian-oriented design
12' traffic lanes	10' traffic lanes
4 to 6 lanes of traffic	2 lanes or less
Left and right turn lanes	Roundabouts
Large transit in street traffic	Small transit arrayed w/ pedestrian and bicycle movement
30 to 40 mph traffic	20 mph or less
Separated buildings w/ side yards	Continuous building face w/ small or no side yards
6' sidewalks	20 to 30' pedestrian corridors w/ linear park features
Parking lots	Parking structures w/ mixed-use liner buildings
Buildings oriented to the car	Buildings oriented to the pedestrian
No or limited arcades, awnings, roof overhangs	Continuous arcades, awnings, roof overhangs
Landscaped to look good from passing car	Landscaped to provide comfort and to help pedestrian movement
No mid-block crossings at pedestrian grade	Mid-block crossings at pedestrian grade
Long blocks w/o mid-block walking malls	Short blocks and mid-block walking malls

# Traffic goes to but not through the urban center

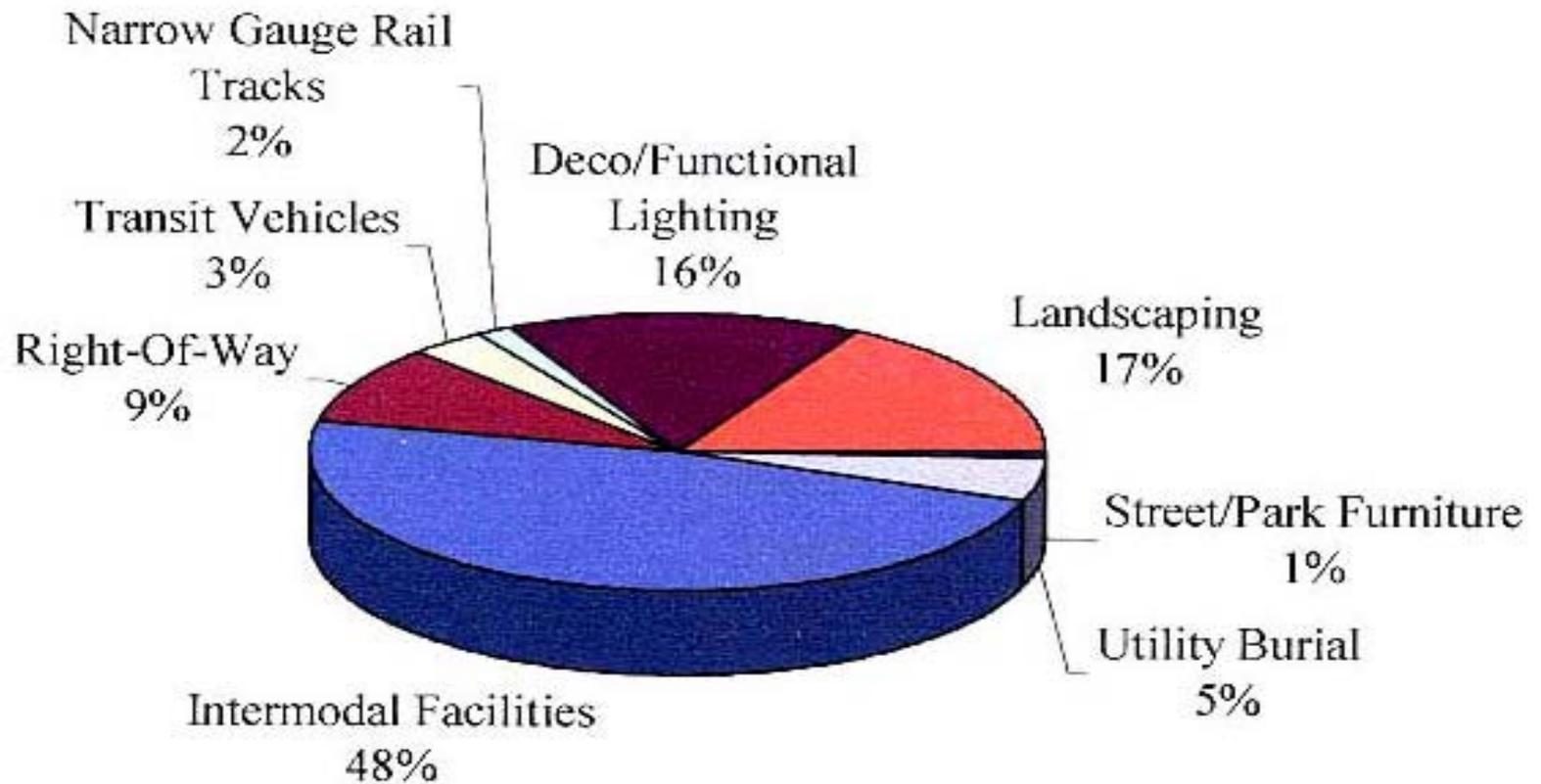


## Legend:

-  Narrow linked parking structure
-  Traffic-calmed street
-  Mix-mode street
-  Pedestrian corridors, courtyards & plazas adjacent transit access points

T. Andrew Gustafson

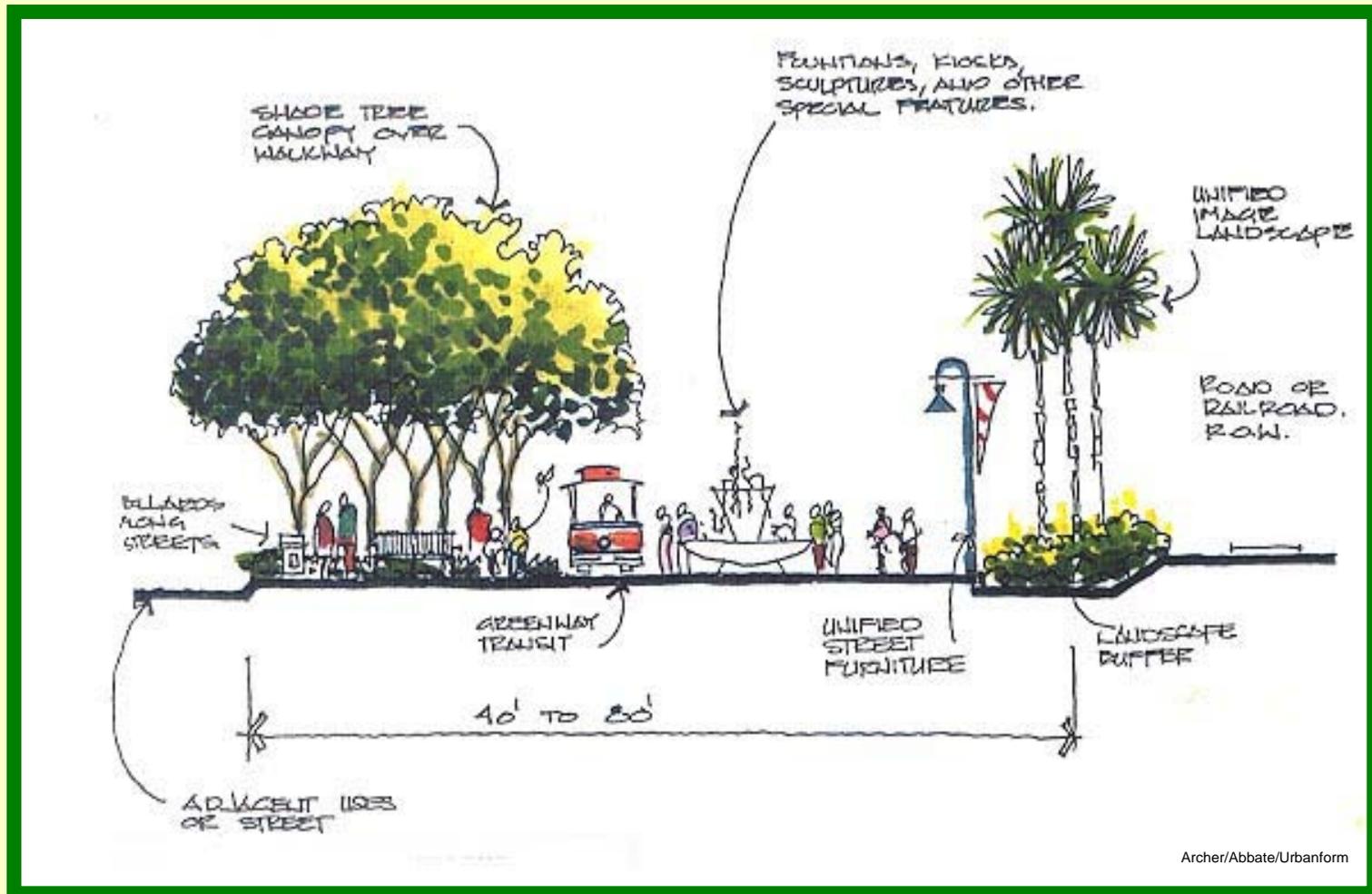
# Typical Construction Cost Estimates (1990s)



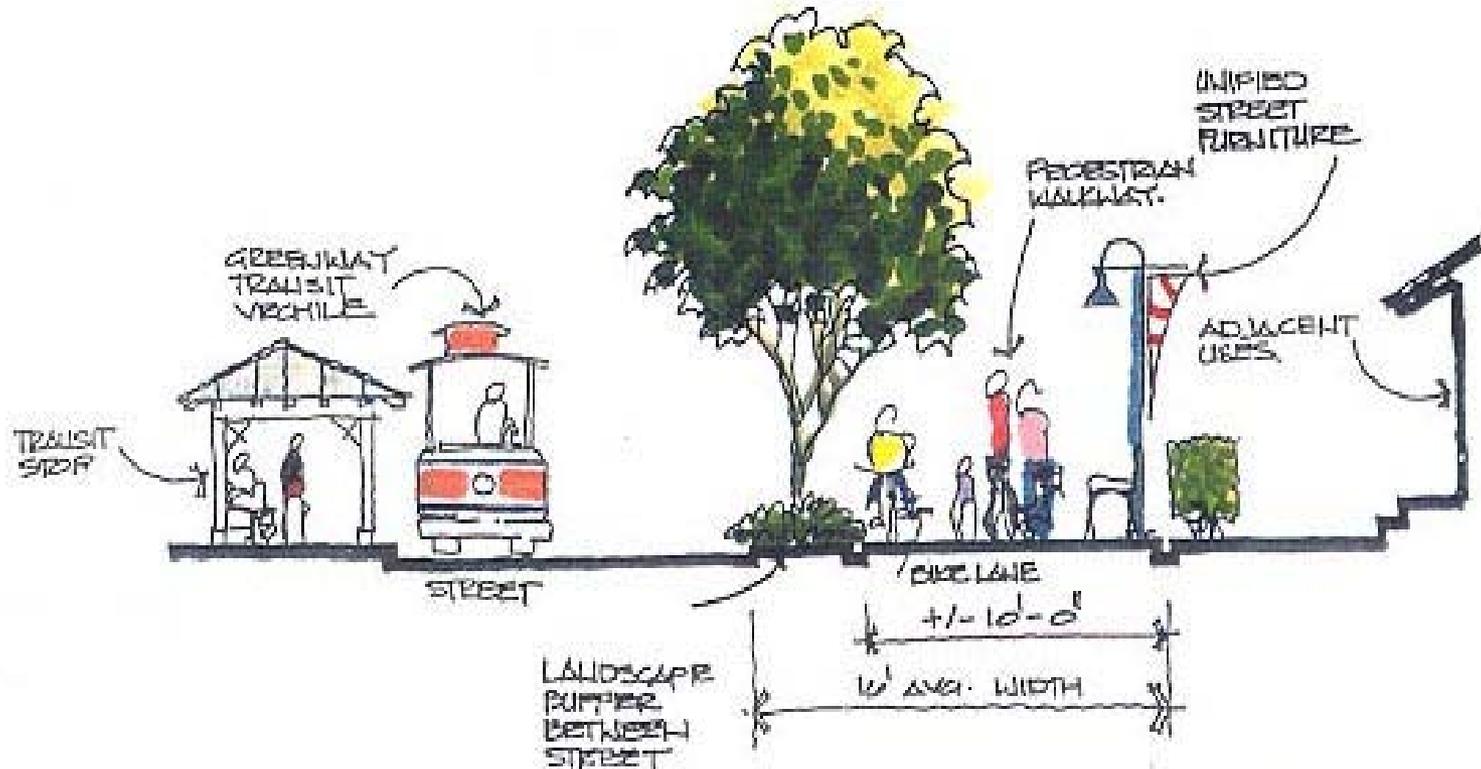
# **Advanced TODs and Transit Greenway Design Elements**

- 1. Wide, Pedestrian Corridors**
- 2. Pedestrian-Oriented Design Features to protect pedestrians from the rail, wind, heat and cold**
- 3. Mix of Uses that provide surroundings that are interesting, comfortable, safe and useful**
- 4. Greenway Transit Vehicles**
- 5. Mixed-Use, Pedestrian-oriented Parking Structures**
- 6. Car Free Centers**
- 7. Intermodal & Freight Facilities**
- 8. Self-Sufficient Plan of Operation**

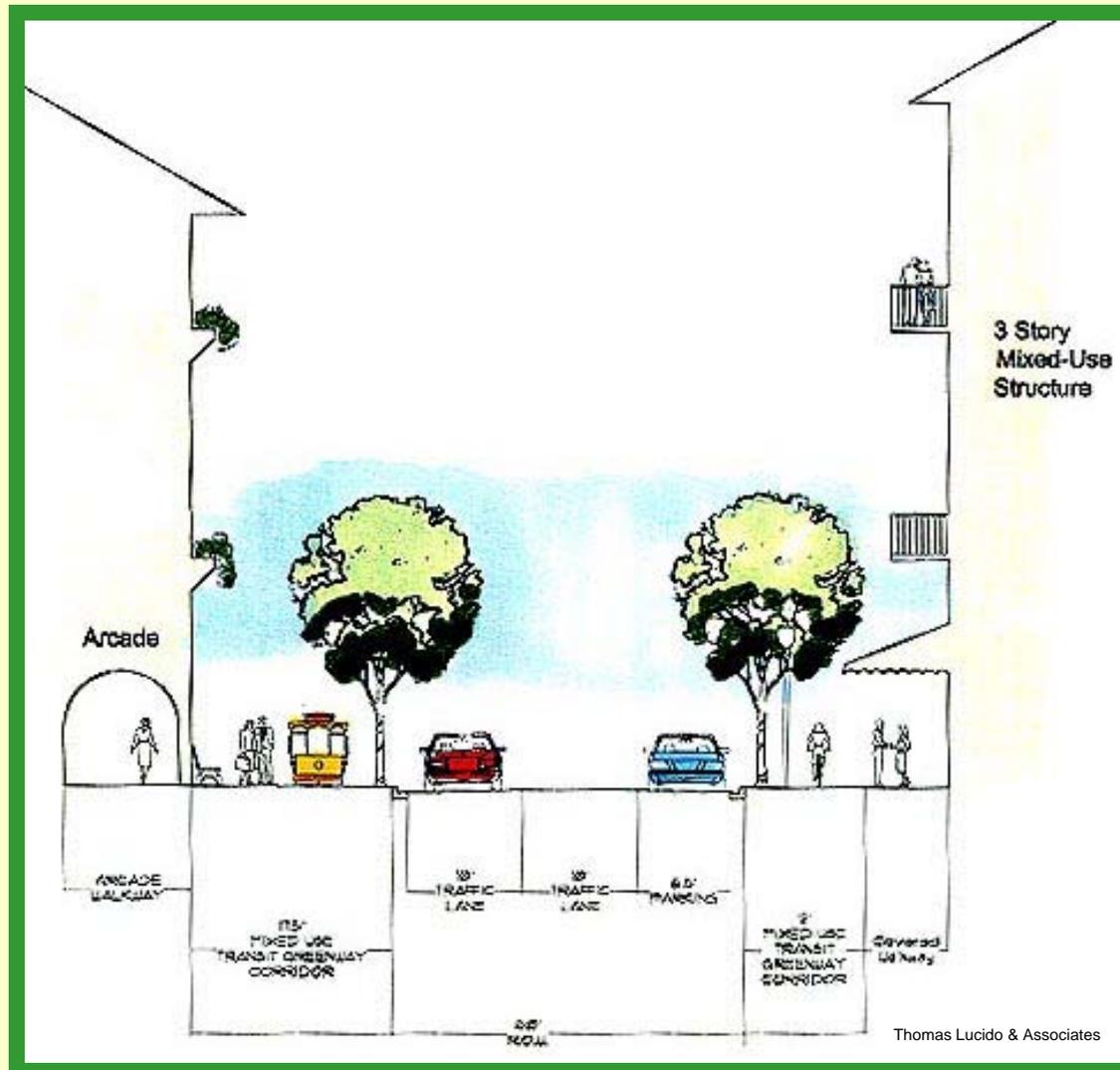
# Mixed-Mode Transit Greenway Corridor



# Alternative Transit Greenway Design



# Typical Pedestrian-Oriented Design Features on a Traffic-Calmed Street



# **What can be funded through federal transportation trust funds?**

**Facilities that reduce traffic congestion, air pollution, global warming, and fuel consumption including:**

- **Pedestrian corridors with transit greenway vehicles and linear park components**
- **Parking structures linked by a local circulation system to major destination within a 2 mile radius**
- **Transit vehicle(s)**
- **Intermodal and freight delivery facilities**
- **public squares and mixed mode streets and pedestrian corridors to accumulate and aggregate traffic and transit customers**

# **Pedestrian Walkway with Lush Landscaping in Central Park, New York**



## Wide Pedestrian Corridors in Old Montreal



# Boardwalk in Chateau Frontenac in Quebec City



# Pedestrian Areas on the Waterfront in Halifax, Nova Scotia



# Boardwalk with Pedestrians, Bicyclists and Tram in Ocean City, New Jersey



# Pedestrian Promenade at MDCC Wolfson Campus in Miami



# Public Square at Las Olas Riverfront in Fort Lauderdale



# Covered Walkways at Mizner Park in Boca Raton



# Pedestrian Street in Old Quebec City



# Front Street adjacent Harbor in Hamilton, Bermuda



# Multi-Level Pedestrian-Oriented Retail in a Mixed-Use Environment at CocoWalk in Coconut Grove



# Walking Street in St. John's, Newfoundland



## Mid-Block Walking Mall at Las Olas in Fort Lauderdale



# Covered Crossing at Church Street Station in Orlando



# Tree Canopy above Street Crossing at International Drive in Orange County



# Mid-block Crossing at Pedestrian Grade on Park Avenue in Lake Park



## Roundabout at Fort Pierce Waterfront



# Mixed-Use Parking Facility in Downtown Orlando



# Pedestrian-Rail Corridor in Savannah, Georgia



# Transit in Pedestrian Street in Strasbourg, France



# Contact Information

**For additional information please contact:**

**Thomas F. Gustafson**  
Lehman Center for Transportation Research  
College of Engineering and computing  
Florida International University  
10555 West Flagler Street, EC3601  
Miami, Florida 33174  
[thomas.gustafson@fiu.edu](mailto:thomas.gustafson@fiu.edu)  
**954 661-7848**