CUTR

- Established 1988 by the Florida Legislature
- Applied research
- Technology transfer / training
- Education
- Multi-disciplinary focus
- “Real world” experience
CUTR Advisory Board

- Secretary Jose Abreu, FDOT
- Secretary Thaddeus Cohen, FDCA
- Secretary Colleen Castille, FDEP
- James Holton, Florida Transportation Commission
- Art Kennedy, U.S. Congressional Staff
- Roosevelt Bradley, Miami-Dade Transit
- William McDaniel, URS Corp.
- John Beck, Esq.
- Kimberlee DeBosier, Bayside Engineering
- Bill Sheppard, LPA Group
- Bob Skinner, National Academy of Sciences
- Norman Mansour, Real Estate Advisor
Vision

To earn a national reputation through excellence and innovation in transportation research.
Let’s take a look at how far we’ve come!
From a very small group of dedicated researchers who built their own office walls in 1988 . . .
to a large organization of faculty, staff & students . . .
Where are we today?
CUTR’s Research Program

- 140+ active projects
- $7 million in annual research
- 50 full-time research faculty
- 20+ student researchers
CUTR Education Program

- Interdisciplinary Certificate
- Transportation Degree
A Sample of Projects
Feasibility of Open Road Tolling in Florida

- Project to determine obstacles and opportunities – “Total cashless” toll collection.
- Florida Turnpike, OOCEA, MDX, THCEA & Transportation Commission
- First comprehensive look in North America
Potential for Exclusive Truck Lanes and Truckways

Criteria used included:

- Truck volume
- Truck crashes (number)
- Percent truck traffic
- Proximity to trailer-on-flat-car, airport and seaport truck terminal
- Level of service

- Major segments of I-75, I-95, I-4
- Three port access segments—Miami, Jacksonville, Tampa
Access Management and Corridor Preservation

- Strong partnership with FDOT
- Equitable methods to preserve rights-of-way, protect private property rights
- Interchange areas
- US 19 / US 27 / others
- Tallahassee Blueprint 2000

Promote

Avoid
Comprehensive Assessment of 25 MPO Plans

- Evaluated all aspects of long-range plan documents
- Recommendations resulted in significant improvements to MPO planning process
- Estimated 20-year statewide financial shortfall:
Assessment of Regional Transportation Planning in Florida

- Part of FTC report to the Florida Legislature
- Comprehensive evaluation of current efforts
Intelligent Transportation Systems (ITS) and Traffic Operations

- Florida’s ITS planning guidelines
- Traffic Incident Management teams
- Benefit/cost analysis of ITS investments
National Center for Transit Research (NCTR)

- Congressional designation in 1991
- $2 million annual funding
- Partnership with FDOT
- Mission: “To enhance the relevance and performance of public transportation and alternative forms of transportation in urban areas”
- Largest concentration of public transportation researchers in a single university in the U.S.
Established by FTA
USF/CUTR and UC-Berkeley
BRT typically 1/3 cost of light rail
Lynx Lymmo, South Miami-Dade Busway
Emerging in Pinellas, Hillsborough, Broward, Palm Beach, Alachua
Miami MetroRail Rehabilitation

- Review of mid-life overhaul of heavy rail system
- In depth examination of:
  - Capital requirements
  - Maintenance practices
  - Manpower needs
- County Commission approved bond issue to fund $140 million overhaul
Transportation Demand Management
Strategies that foster increased efficiency of the transportation system by influencing travel behavior by mode, time, frequency, trip length, cost, or route.
Expert Evaluation and Review

Corridor One Travel Demand Forecast Peer Panel Chair, Harrisburg, PA.

Dulles Corridor Major Investment Analysis, DEIS Evaluation

Florida High Speed Rail Ridership Forecasting Peer Panel Chair
Community Impact Assessment
What about the Future?
Strengths

• Talented, dedicated employees
• Strong partnerships
• Relevance
• Responsiveness
• Multidisciplinary approach
• Clear motivations – “making a difference”
Vision

- To earn a national reputation through excellence and innovation in transportation research

- To help USF become a truly prominent national research university