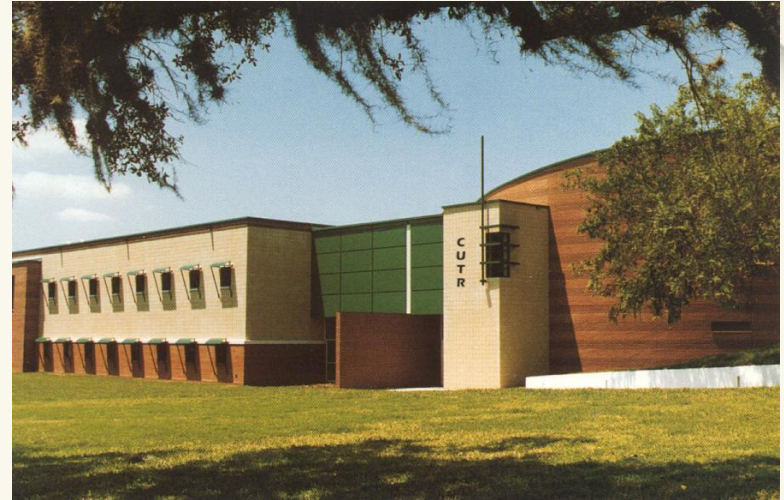


Center for Urban Transportation Research

**College of Engineering
University of South Florida
Tampa**

CUTR

- **Established 1988 by Florida Legislature**
- **Applied research**
- **Technology transfer / training**
- **Education**
- **Multi-disciplinary**
- **“Real world” experience**



CUTR Advisory Board

- **John Beck, *Esq.*, *Chair***
- **William McDaniel, *URS Corp.*, *Vice Chair***
- **Denver Stutler, *Secretary*, *FDOT***
- **Thaddeus Cohen, *Secretary*, *FDCA***
- **Colleen Castille, *Secretary*, *FDEP***
- **James Holton, *Florida Transportation Commission***
- **Michael Blaylock, *Jacksonville Transportation Authority***
- **Kimberlee DeBosier, *Bayside Engineering***
- **Roosevelt Bradley, *Miami-Dade Transit***
- **William Sheppard, *Transportation Consultant***
- **Robert Skinner, *National Academy of Sciences***
- **Norman Mansour, *Commercial Real Estate***



CUTR's Research Program

- **140+ active research projects**
- **\$8 million in annual research**
- **50 full-time research faculty**
- **25+ student researchers**

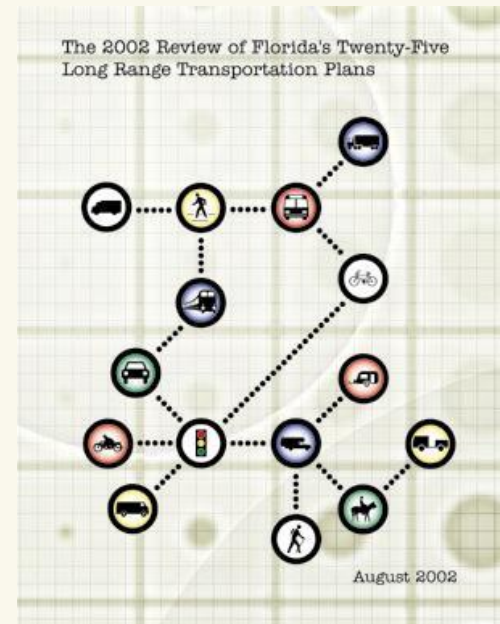


Transportation and Growth Management

- **Florida Transportation Commission Evaluation of Regional Planning**
- **FDOT Implementation of SB 360**
- **FDCA Transportation Concurrency and Impact Assessment**
- **Florida Transportation Commission Assessment of Growth Management**

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:
 - 1997 – \$22.3 billion (*1995 \$*)
 - 2002 – \$37.7 billion (*2000 \$*)



MPOAC Institute

Develop and deliver an on-going training program for MPOs

- **Phase I: Identify training needs**
- **Phase II: Develop/pilot test training**
- **Phase III: Deliver training**



Evaluation of Power Line Motor Carrier Rear Vision System



Courtesy of PowerLinx, Inc.

- Explore the reliability, ease of installation, time-out-of-service and life-cycle cost for vehicles utilizing this technology
- Estimate cost saving from widespread use of video collision avoidance technology

Display Monitor on Dash Board of Truck



Source: PowerLinx Website

Real-time Video Data Collection Using Small Unmanned Helicopters



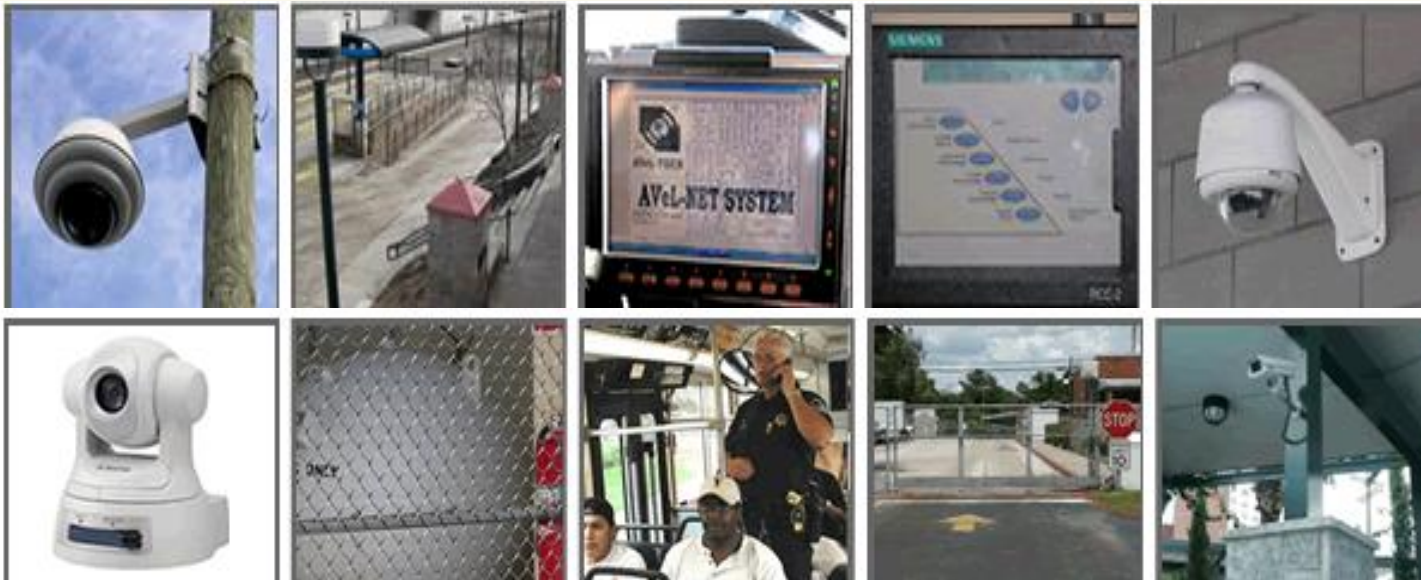
Deliver an Integrated and Functional Unmanned Helicopter
with On-Board Vision System

Sponsor: Traffic Services Division,
Hillsborough County Public Works

Photo of Helicopter



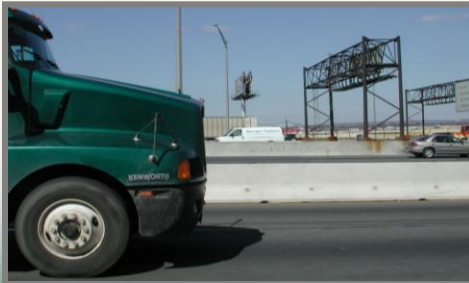
Identification of Cost Effective Methods to Improve Security at Transit Operating/Maintenance Facilities and Passenger Stations



**University Consortium for Intermodal
Transportation Safety and Security**

Potential for Reserved Truck Lanes in Florida

- **Determine Potential for Exclusive Truck Lanes or Truckways in Florida**
 - **Develop Methodology for Florida Site Selection**
 - GIS used to identify priority locations
 - **Detailed Evaluation of Selected Florida Sites for Potential Application**
- **Sponsor - Florida DOT**





The Travel Assistant Device (TAD):

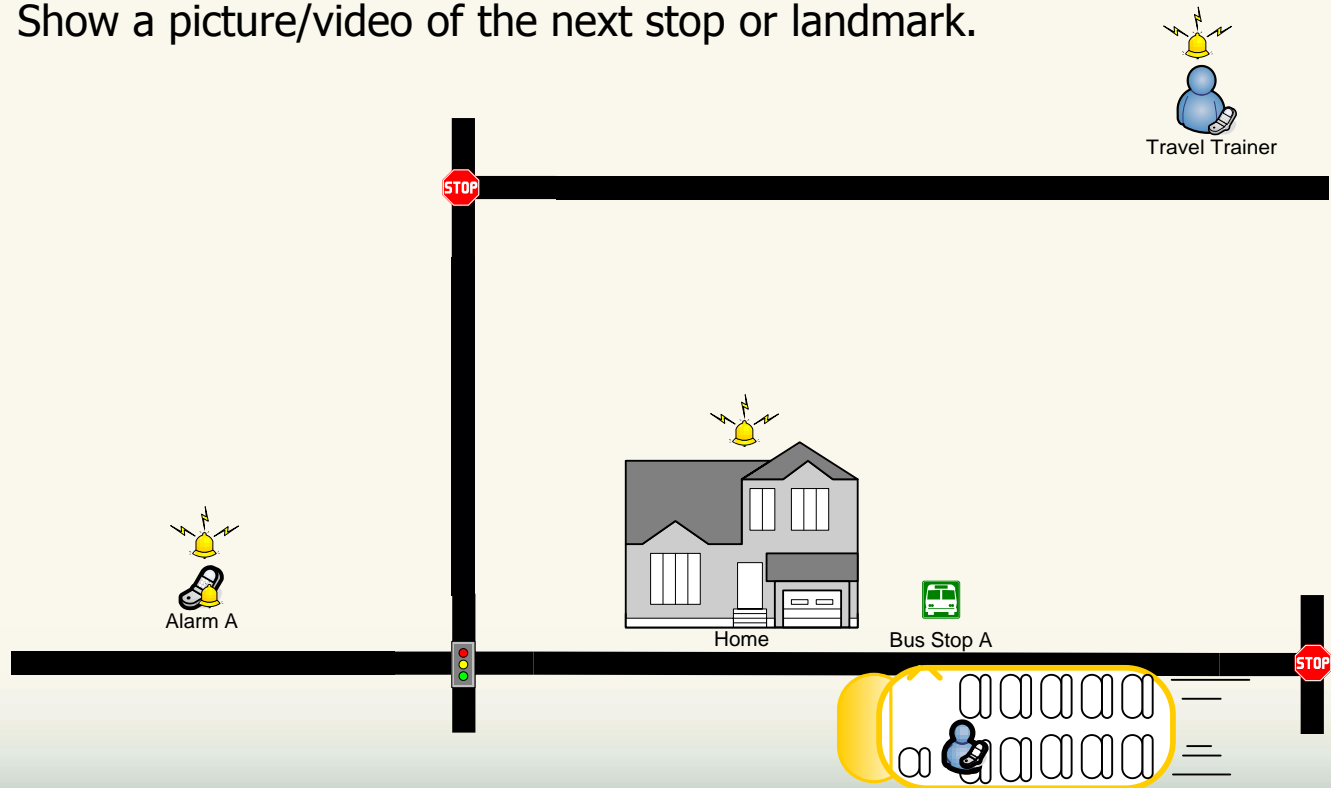
*A Potential Technology Application
to Assist Transit Riders with Special Needs*



**Center for Urban Transportation Research (CUTR) &
Computer Science & Engineering (CSE)**

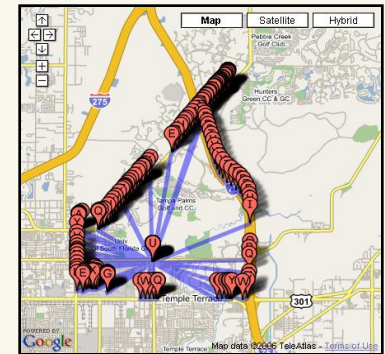
"Travel Assistant Device" for Special Needs Riders

- Alarms could be triggered if a rider deviates from their planned route.
- Can use multimedia alarms & reminders:
 - Play a recorded audio message (e.g., parent's voice).
 - Show a picture/video of the next stop or landmark.



Progress to Date

- Software in development
- Analyzed GPS signal accuracy
- Partnership with USF's Successful Transition After Graduation for Exception Students (STAGES) and HART to pilot test
- Awarded another grant under Transportation Research Board's Ideas Deserving Exploratory Analysis (IDEA)



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.**



USF Selected as a Tier I University Transportation Center

- **CUTR's National Center for Transit Research prevailed in a national competition of 36 universities for 10 positions as Tier I UTCs**

Winners of the Competition

- Georgia Tech
- Iowa State University
- Rutgers, the State University of New Jersey
- San Jose State University
- University of Florida
- University of Idaho
- University of Maryland
- University of Michigan
- University of South Florida
- University of Southern California

Benefits to USF

- **Will receive up to \$1 million a year for three more years beginning July 2007 from USDOT**
- **Our tremendous partners at FDOT have provided match**
- **Allows NCTR at CUTR to continue conducting research, training, and information sharing**

Florida SAFE Council 2005 Master Plan

January 2005

Prepared by:

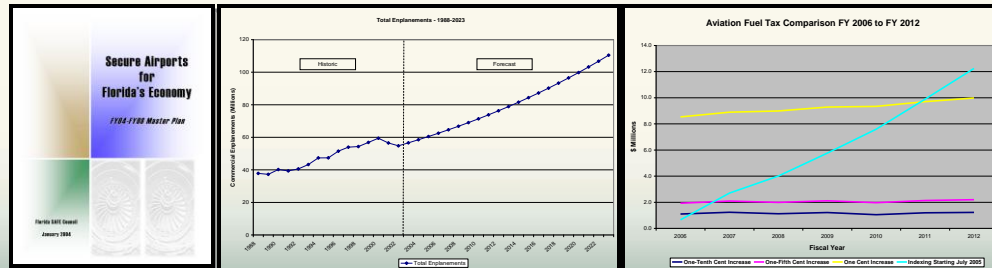
The Secure Airports for Florida's Economy Council - SAFE Council

with assistance from:
Center for Urban Transportation Research,
Florida Aerospace Finance Corporation, and
Raymond James & Associates



SAFE Council

- Legislatively created to recommend airport security enhancements
- Annual Master Plan required
- CUTR has prepared 1st two plans
- Recently approved for Year 3



Tampa International Airport Economic Impact Study

- Part of Airport Master Plan update
- Collaboration across CUTR
- Conservative approach
- \$2.54 billion/yr. to Hillsborough, Pasco & Pinellas Counties



National Bus Rapid Transit Institute

- Established by FTA
- USF/CUTR and UC-Berkeley
- BRT typically cost less than light rail
- \$1.75 million/year next 4 years



Bus Rapid Transit (BRT)



Transfer of Knowledge Techniques in Use by CUTR

- Streaming presentations
- Listservs (email groups)
- Online courses
- Blogs
- Podcasts*
- Netconferencing (webinars)



TDM Talk

TDM Talk is a group blog providing an outlet for discussion and debate about programs, practices, and policies that affect the impact of transportation demand management (TDM). This blog complements the TRANSP-TDM listserv hosted by the National Center for Transit Research (NCTR)'s National TDM and Telework Clearinghouse at University of South Florida.

TUESDAY, SEPTEMBER 26, 2006

■ ■ ■ **True Cost of Driving**

In light of today's (Sept. 26, 2006) post on the true cost of driving, consider this [editorial](#). In my opinion, the true cost of driving cannot be calculated without taking into account the need to secure access to oil. US domestic oil discovery peaked in 1930. US domestic oil production peaked in 1970. In 1994, the US began importing more oil than we could produce. Each year since 1994, the US has had to import more oil and spend more money to secure the supply of oil. Andy Singer, a great editorial cartoonist, just came out with a new one depicting how transportation policy begets energy policy begets foreign policy.

What is your take on things?
posted by Chris Hagelin @ 5:55 PM 0 comments

THURSDAY, AUGUST 31, 2006

■ ■ ■ **Explain Relationship of Increasing Efficiency and Keeping Traffic Moving and Win \$1,000**

LYRIS ListManager

Messages Search Conference My Account My Forums All Forums About

Messages :
All Forums

Name	Description	Members
am-committee	AM Committee	no
am-committee-friends	AM Committee friends	no
brt	Bus Rapid Transit	no
brucebdwns	Bruce B. Downs Boulevard Transportation Improvement Discussion Forum	no
buschblvd	Busch Boulevard Transportation Improvements	no
cutr-otos	CUTR-OTOS	no
flvpp	Florida Vehicle Procurement Program	no
flsite	Florida Section ITE	no
fl-forum	Florida Transit Planning Network	no
fltnn	Florida Transit Marketing Network	no
jpt	Journal of Public Transportation	yes
leadershipapta	Leadership APTA	yes
maint	Transit Maintenance Forum	no
nctr	National Center for Transit Research	no
nota	New North Transportation Alliance	no
pepp	[Pepp] Parking Enforcement using Pocket PCs	no
rtap	Rural Transit Assistance Program	no

NetConferencing/Webinars

- Cost Control
 - Less travel costs and associated downtime for attendees and speakers
- Scheduling Events
 - Better opportunity to find time to meet
 - Attract experts more easily as he or she can present remotely
- Real-time collaboration
 - More instant feedback
 - Polling
 - Q & A
 - White Board
- Easy to use
 - Works through firewalls
 - Requires only computer, Internet and phone



Presenter's View

Striving to be the Best: Employer TDM Programs Netconference - Microsoft Live Meeting

File Edit View Share Tools Attendees Audio Help

Fit to Page 00:00:00

Microsoft Office Live Meeting

Resources

- Danielle Bricker.Imp
Microsoft PowerPoint Presentation
- Q and A.Imp
Microsoft PowerPoint Presentation
- Intro.Imp
Microsoft PowerPoint Presentation
- pre-roll.Imp
Microsoft PowerPoint Presentation
- Jessica Barron - Wyeth.Imp
Microsoft PowerPoint Presentation
- Matt Nichols - City of Berkeley, CA.Imp
Microsoft PowerPoint Presentation

Now Presenting

Active Presenter:
phil winters

Lock control over content display

Attendees (1 of 1)

Meeting Audio

Arrange by Name

phil winters

Send E-mail Invite...
Call Someone
More Choices >>
Search list for person:

Seating Chart

Questions and Answers (No Questions)

No questions have been answered yet in this meeting.

To ask the presenter(s) a question, type it here and click Ask.

Ask Delete Question Manager

Feedback to Presenter Proceed

Striving to be the Best: Employer TDM Programs That Deliver Results to Employees and Stockholders Netconference

Today's Agenda

- Striving to be the Best: Employer TDM Programs That Deliver Results to Employees and Stockholders Netconference
- Today's Agenda
- How many people are attending today's netconference in your location?
- Attendance
- Membership
- Membership

Sponsored by:

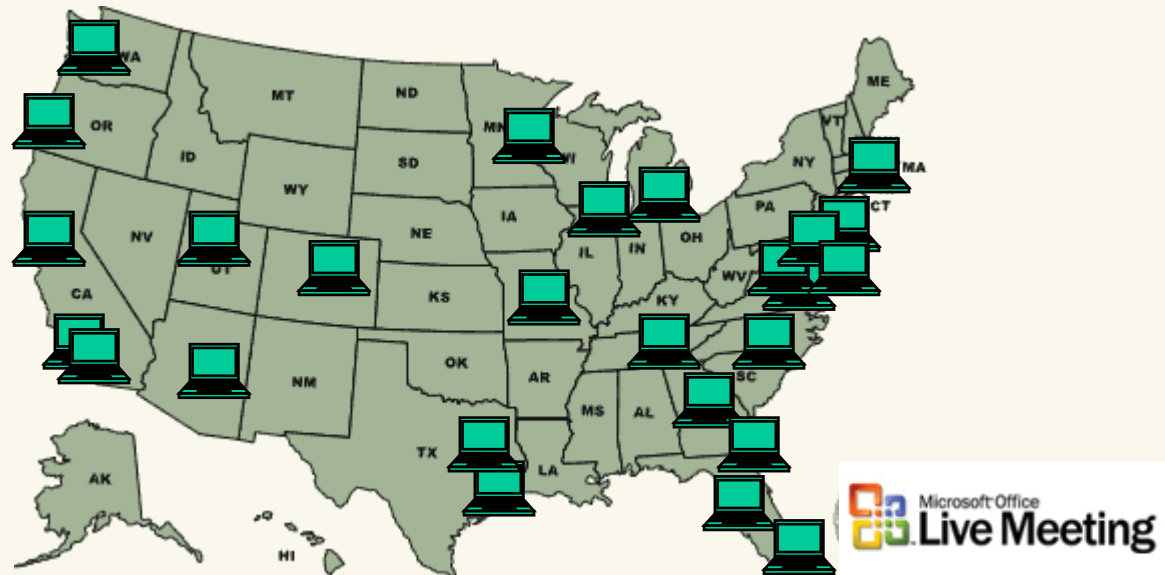
Association for Commuter Transportation
National Center for Transit Research at the
University of South Florida

ACT
Association for Commuter Transportation

NCTR
at CUTR

Results

- **14 netconferences completed at 20+ locations with 150 to 200 attendees per event**
- **Streaming recording for next day playback**



CUTR Education Program



Education Program Activities

- **Oversight of STC Student Program**
- **Support of student research assistants**
- **Teaching**
- **ITE student chapter**
- **Oversight of Graduate Interdisciplinary Transportation and Transportation Systems Analysis Certificate Programs**
- **Thesis and dissertation opportunities**

CUTR Testimonials

- CUTR is a model center that has contributed within its state and at the same time has developed a national reputation for excellence.
 - Bob Skinner, Executive Director of TRB
- CUTR is rare in the urban transportation field. They have the theoretical knowledge and depth to move the state of the art forward; and they have the practical experience to help the Nation's cities solve real-world transportation problems. I cannot compliment CUTR enough."
 - Sam Zimmerman, Urban Transport Advisor, World Bank

CUTR Testimonials

Everything I enjoy doing right now as a general manager of a local transit system I owe to my experience of being a student at USF and working with the faculty of CUTR. I couldn't have asked for a better way to prepare for becoming a director of a local transportation agency.

- Jesus Gomez, Executive Director, Gainesville Transit System
- The diverse opportunities provided through CUTR afforded me wonderful insight into critical transportation issues. I take great pride in applying this knowledge to the challenges I work to address.
 - Ben Walker, FDOT District 1 Modal Administrator

Vision

- **To earn a national reputation through excellence and innovation in transportation research**
- **To help USF become a truly prominent national research university**



