

Freight Research Initiatives

University of Memphis



SAFETEA-LU FUNDING

- **Center for Intermodal Freight Transportation Studies (CIFTS) UTC**
- **Center for Advanced Intermodal Technologies (CAIT)**
- **Both require matching funds**

Vision

- **Sustainable Freight Transportation Institute**
- **Regionally and Nationally Recognized**
- **Provide solutions to Intermodal Transportation Systems Problems Thru Research, Education, and Tech Transfer**

Intermodal Freight Transportation Institute (IFTI)

www.memphis.edu/ifti



**CIFTS
Tier II
UTC**

CAIT

**CN - Hunter
Harrison
Safety &
Emergency
Preparedness**

KEY Strength Private Partnerships

- Canadian National Railway
- Ingram Barge
- Dehart Transportation Group

Over \$1.5 Million in Match

Partnership

U of Memphis

- **Marty Lipinski**
 - Highways, Waterways
- **Mike Golias**
 - Modeling, Ports and Terminals Operation
- **Stephanie Ivey**
 - Workforce Development
- **Other Faculty – Logistics, Business, Civil Engr**

Vanderbilt University

- **Mark Abkowitz**
 - Modeling, Risk Assessment
- **Jimmy Dobbins**
 - Waterways, Network Modeling
- **Mal Baird**
 - Highways, Emergency Response
- **Edsel Daniel**
 - Waterways

Early Projects

- **U.S. Freight Transportation System Overview**
 - Prepared for RITA
 - Joint Effort – U of M, Vanderbilt, and N. Dakota State
- **Freight Transportation Safety, Security, and Capacity Scans**
- **Delta Regional Authority Intermodal Assets and Needs**

Memphis/TN Focused

- **Assessment of Memphis Regional Intermodal Transportation Infrastructure**
- **Lamar Avenue Corridor Study**
- **I-75 Corridor Analysis**

Projects (Cont)

- **Intermodal GIS Freight Analysis Network – Terminal Capacity Estimation**
- **U.S. Foreign Waterborne Cargo System**
- **Examination of Driver Turnover and Retention in the Trucking Industry**
- **I-40 Trucking Operations & Safety Analyses with Strategic Planning Initiatives**
- **Disaster Recovery and Business Continuity**
- **Remote Sensing of Transportation Networks**

Projects (cont)

- **A GIS Framework for the Evaluation of Truck Restrictions on State Highways**
- **A Comparison of Truck versus Auto VMT Projections**
- **Key Issues in Public-Private Partnerships**

Other Key Activities

- **Conferences**
- **Truck Roundtable**
- **Work Force Development**
- **Course Development**

Collaboration/Coordination Issues

- **Involvement of the Private Sector/Business Community**
- **Selling Your Value Added – what research/ university participation can do**
- **Sharing Information among researchers**

**Thank You,
Thank You Very Much**

