

# “Freight Planning Resources for the MPO”

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# A Few Words About Us (This is the Commercial)

# University of Memphis Freight Initiatives

# SAFETEA-LU FUNDING

- **Center for Intermodal Freight Transportation Studies (CIFTS)**
- **Center for Advanced Intermodal Technologies**

# CIFTS

- **Part of USDOT Transportation Centers Program**
- **Formal Partner with Vanderbilt**
- **TDOT Providing some matching funds**
- **\$2 million over 4 years**

# GOALS

- Theme and Mission
- Goals
  - Research Selection
  - Research
  - Education
  - Technology Transfer
  - Diversity
  - Human Resources

# Research

- Chapter Report for USDOT
- Competitive Research Program
- Focused Research for TDOT
  - National Scan of Freight Capacity Issues
  - National Scans of Freight Safety & Security Issues
  - Freight Analysis Network Development
  - Intermodal Freight Curriculum Development
- Memphis Regional Intermodal Assessment

# Education

- **Intermodal Freight Curriculum Development**
- **Workforce Development**
  - Interaction with Mid-South Comm. College
  - K- 12 Programs
- **Governor's School Proposal**



# Technology Transfer

- November 2007 Conference –  
The Future of Intermodal Transportation in  
Memphis and the Mid-South Region
- Web Page – [CIFTS.Memphis.edu](http://CIFTS.Memphis.edu)
- Newsletter
- Sept 2008 Conference – Disaster Recovery in Freight  
Transportation – Beyond First Response

# CAIT

- \$5 million over 5 years
- Greater Focus on Private Sector
- DeHart Transportation Group
- Delta Regional Study

# SUMMARY

- **Addressing Freight Issues is Critical for our Nation's future mobility and economy**
- **The U. of Memphis is positioned to be a leader in conducting research, educational programs and technology transfer**

# The Good News

Freight Transportation Issues  
Have Moved Front and Center

Development of Resources  
has Followed

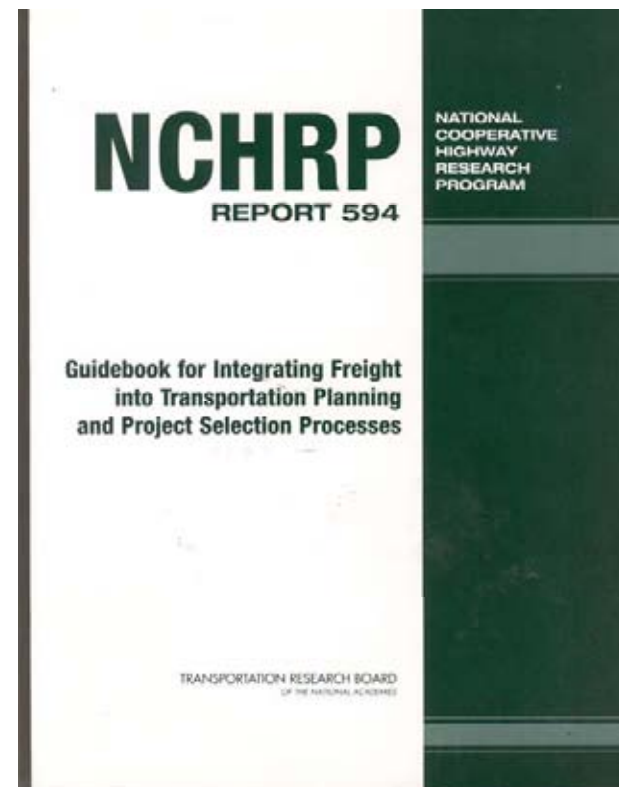
- US DOT Strategic Plan
- National Surface Transportation Policy and Revenue Study Commission
- Railroad Capacity Study

TRB Publications

Records

NCHRP Reports

Conference Proceedings



# NCHRP 594 – A MUST READ

- Basic Principles
- Techniques
- Freight Resource Tool Box

# Tool Box

- Data Sources
- Guidebooks
- Training Opportunities
- Sample Surveys
- Case Studies



# USDOT – [www.freight.dot.gov](http://www.freight.dot.gov)

## **Freight Resources**

[Framework for a National Freight Policy](#)

[Freight Transportation Bookshelf](#)

[Current News Compiled by the FHWA Freight Office](#)

[National Freight Statistics and Maps](#)

[Freight Information by State](#)

[Freight Performance Measures](#)

[National Freight Data Sources](#)

[Freight Model Improvement Program \(FMIP\)](#)

[Phone Numbers for Freight Information and Services at DOT](#)

## **USDOT Freight Web Sites**

[Bureau of Transportation Statistics](#)

[Freight Management and Operations at the Federal Highway Administration](#)

[Freight Planning at the Federal Highway Administration](#)

[Federal Railroad Administration](#)

[The Transportation of Hazardous Materials](#)

[Pipeline Safety](#)

[Federal Motor Carrier Safety Administration](#)

[Maritime Administration](#)

[Saint Lawrence Seaway Development Corporation](#)

[Surface Transportation Board](#)

# Talking Freight

[http://www.ops.fhwa.dot.gov/freight/fpd/talking\\_freight.htm](http://www.ops.fhwa.dot.gov/freight/fpd/talking_freight.htm)

Yesterday – Integrating Freight in  
Project Selection

<http://www.freight.dot.gov/fmip/models/library.htm>

[Dedicated truck lane modeling](#)  
[Freight and commodity flow modeling](#)  
[Freight corridor and system capacity modeling](#)  
[Freight data collection methods](#)  
[Freight modeling review articles](#)  
[Freight traffic assignment/network flow modeling](#)  
[Intermodal freight and terminal transfers modeling](#)  
[Modeling freight supply chains](#)  
[Modeling hazardous freight movements](#)  
[Modeling the energy and environmental impacts of freight](#)  
[Modeling the value of time in freight studies](#)  
[Modeling urban freight movements](#)  
[Multi-step freight planning models](#)  
[Statewide and regional freight planning studies](#)  
[Truck size and weight modeling](#)  
[Truck trip generation/attraction modeling](#)

# NHI Courses

[www.nhi.fhwa.dot.gov](http://www.nhi.fhwa.dot.gov)

# Universities

[www.rita.dot.gov](http://www.rita.dot.gov)

- UTC's Freight Emphasis
  - CFIRE – Wisconsin
  - Great Plains – N. Dakota State
  - UT – Safety

# STATES

- TDOT
  - Plans
  - Data
    - Transportation System
    - Commodity Flows



# Others

- Consultants
- Associations
- Carriers

# Conclusions

- The freight topic is receiving increased visibility
- There are a wealth of resources