“Freight Planning Resources for the MPO”

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TMUG  July 17, 2008
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

CIFTS
THE UNIVERSITY OF MEMPHIS
Technology Transfer

- November 2007 Conference – The Future of Intermodal Transportation in Memphis and the Mid-South Region
- Web Page – 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
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

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
Universities
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