Freight, Logistics, Passenger Operations within a Changing DOT

presented to
Florida Model Task Force

Transportation and the Economy—Transconomy?

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Freight Tonnage: National

Tonnage on Highways, Railroads and Inland Waterways: 2002

The World is Changing...

- Operational Changes
  - Port Emphasis
  - Rail and Passenger Alliances
  - Growing Vessel Capacity (Big Ships)
  - Advanced Manufacturing
- Regulatory Policies
- Global Competitiveness
- Funding Options (State/Federal/Private)
- Terrorism and Security
- Economic Downturn—what's my ROI?
- “Green” Pressures
- Ongoing Maintenance Challenges
- Reducing Risks (Disasters, Terrorism)
Regional, National & Global Perspective(s)

- Governors Push
- Secretary’s Push
- MPO Push
- U.S. DOT Push
- Southeast Push
Multi-jurisdictional, Regional Approach is Key

• AASHTO/FHWA Partnership
• 38 State DOTs influence Freight patterns BUT do the modal divisions coordinate as one?
  – 9 = maritime/ports/waterways/marine
  – 8 = planning
  – 6 = intermodal
  – 4 = freight
  – 3 = rail & marine/railroads & harbors
  – 1 = aviation & ports
  – 1 = trade development
  – 6 = unsure which department to contact
Growing Energy Costs and Reduced Gas Revenues

Potential short falls within a Global Market:

Asphalt

Rebar

Concrete

Petroleum
Congested Chokepoints 2000

Volume - To - Capacity Levels of Service:
- 0 - 0.30 (A)
- 0.31 - 0.50 (B)
- 0.51 - 0.71 (C)
- 0.72 - 0.89 (D)
- 0.9 - 1.15 (E)
- > 1.15 (F)
Congested Chokepoints 2020
U.S. has many corridors: Geographically & Mode

- **Highway**—Interstate
- **Railroads**—Class I, Class II
- **Seaports**—Deep Water
- **Airports**—GA and Intl. Gateways
- **Space**—Spaceports
- **Passenger**—Tri-Rail/FEC, (i.e. )
- **Transit**—managed and express lanes
  (congestion relief when faced with nearly built-out corridors)

**Common Characteristic**—
- Serve Regional, National, Intl markets
- Robust, but fragile system
Freight Working Initiatives

• Motor Carrier Working Group
• Freight Summit—Local, State and International
• **Phase II**: Trade and Logistics Study
• Freight Study—Not Technical
  – DEO-Economic Development
  – Regionalism
  – Livability
  – All Modes of Transportation
Issues for Discussion

- “Transconomy”
  - Freight + Economic sustainability = Jobs and Growth

- Data and Statistical—Information Collaboration
  - Modeling/Waybills/DCs/ NHS Connectors/ Commodity Flow

- Education—technical in nature / we’ve lost touch
  - Internal: (FDOT) / Decentralized
  - External: Chamber/ Technical Schools/ Logistics (advanced manufacturing)

- Freight Coordinators

- Funding /Sustainability—Reauthorization $$$
How will Emerging Mega Regions be Served?
National Trading Block Perspective—U.S. DOT Freight Flows

Members:
- Transport Canada
- US DOT
- Secretariat of Communications and Transport of Mexico
What happens when DEMAND Exceeds Capacity

• Delays
• Higher prices
• Reliability
• Maintenance
• Modal Diversion
• Congestion
• Time
• Money
Questions