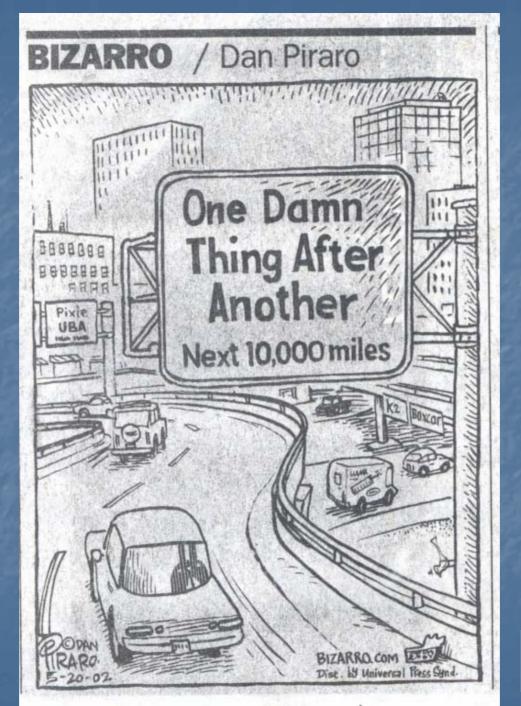


ATRI...

- Research Arm of the ATA Federation
- 501(c)3 NFP
- Government & Industry Sponsors
- Research Categories:
 - Safety & Human Factors
 - Technology & Training
 - Environmental Factors
 - Transportation Security
 - Economic Analyses







Freight Industry Snapshot...

- 6 Class 1 railroads; 550 Total
 - 1.2M freight cars
 - 200K employees
 - 170K miles of track
- 51 Deep Water Ports; 148 Total
 - 8000 ships
 - 12K miles of commercial waterways
- 12M 20M Containers
 - Truck-Rail now fastest growing
- 75% air cargo moved by non-U.S. carriers
 - Fastest-growing sector over time
 - Expedited: Truck vs. airplane?
- 640,000 Trucking Companies
 - 10.1M employees; 3.2M truck drivers
 - 2.8 million large trucks; 20M commercial trucks
 - 4.9M trailers



Key Realities

- Trucking
 - Heavily Regulated
 - HOS
 - Equipment
 - Routing
 - Insurance
 - Highly Competitive
 - 640K Carriers with U.S. DOT; 100K in last 3 years
 - Safety Issues Complex
 - 68% of Tonnage; 86% of Revenue
 - 7% of vehicles; 15.5% of VMTs



Top Industry Issues: 2005 vs 2006

Top Industry Issues – 2005

- 1. Fuel Costs
- 2. Driver Shortage
- 3. Insurance Costs
- 4. Hours-of-Service
- 5. Tolls/Highway Funding
- 6. Tort Reform/Legal Issues
- 7. Overlapping/Burdensome Regulations
- 8. Congestion
- 9. Environmental Issues
- 10. Truck Security

Top Industry Issues – 2006

- 1. Driver Shortage
- 2. Fuel Issues
- 3. Driver Retention
- 4. Hours-of-Service
- 5. Congestion
- 6. Government Regulations
- 7. Highway Infrastructure
- 8. Tort Reform
- 9. Tolls/Highway Funding
- 10. Environmental Issues



Strategic Issues

- Insurance Costs
 - Post-9/11: 20% 50% increases for "good" carriers
- New Regulations: HOS; HM Endorsements, etc.
- Fuel Cost Volatility
 - Jan. '02 \$1.16/Gallon
 - Oct. '04 \$2.20/Gallon
 - May '06 \$2.89/Gallon
 - March '07 \$2.79/Gallon

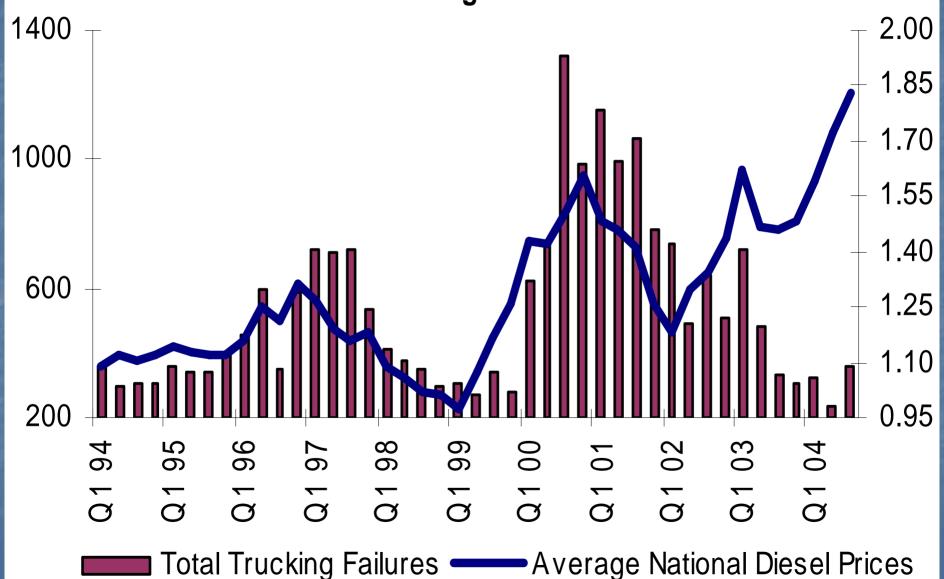


Strategic Issues

- Operating Margins
 - Average: 3.6%; 1.8% 5.6%
- Shipper Contracts Dictate Operations/Costs
- Is Six Sigma/TQM Backfiring?
 - Supply Chain Elasticity/Flexibility/Dynamism is Disappearing
- Fuel Cost Volatility
 - Jan. '02 \$1.16/Gallon
 - Oct. '04 \$2.20/Gallon
 - May '06 \$2.89/Gallon
 - March '07 \$2.79/Gallon







Congestion Issues

- Driving trucks to alternative routes
 - Safety
 - Pavement Damage
- Congestion Pricing: Driving trucks to other times??
 - Regressive & Inflationary since economy can't handle it
- Impacts economic growth
- No new capacity: 70% growth in tonnage vs 3%-4% in infrastructure capacity
- Congestion is a calculated business cost... 50% of the time (non-recurring)
- Relatively level Playing Field within regions/MSAs







U.S. Department of Transportation Federal Highway Administration Office of Freight Management and Operations Operations Core Business Unit

DETROIT

International Truck Flows for Border Crossings (1998)

Border Crossing to State Flows

(Tons)

- 1 to 250,000
- _____ 25 одо 1 to 50 одоо
- 🦲 50 0,001 to 1,000,000
- 🦲 More than 1,000 доо

Network Flows

(Tons)

— 1 to 250,000

___ 250,001 to 500,000

500,001 to 1,000,000

More than 1,000,000





U.S. Department of Transportation Federal Highway Administration Office of Freight Management and Operations Operations Core Business Unit

WESTERN WASHINGTON

International Truck Flows for Border Crossings (1998)

Border Crossing to State Flows (Tons)

- 1 to 250,000
- 25 0 Д 0 1 to 50 0 Д 0 0
- 50 0,001 to 1,000,000

More than 1,000,000

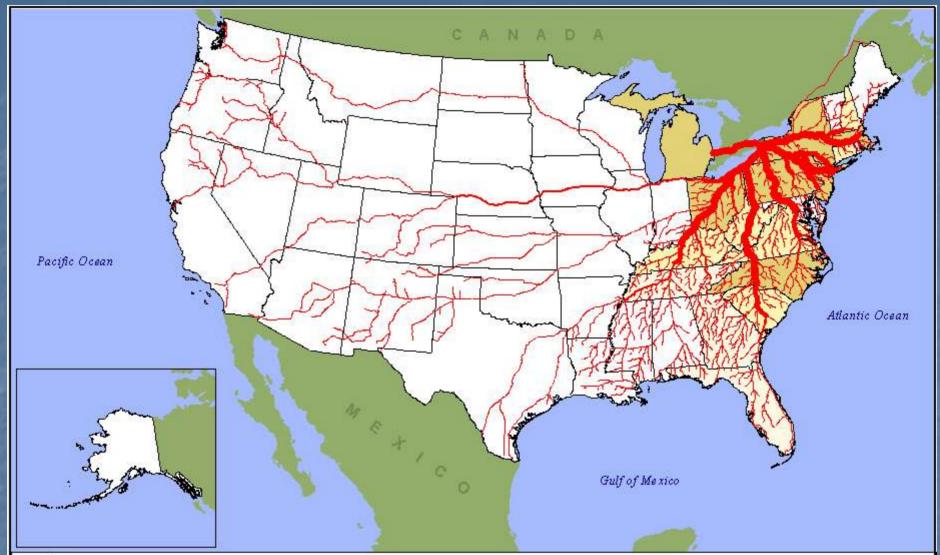


(Tons)

1 to 250,000 250,001 to 500,000

500,001 to 1,000,000

Моге фат 1,000,000





U.S. Department of Transportation Federal Highway Administration Office of Freight Management and Operations Operations Core Business Unit

BUFFALO

International Truck Flows for Border Crossings (1998)

Border Crossing to State Flows

(Tons)

- 1 to 250,000
- _____ 25 0 Д 0 1 to 50 0 Д 0 0
- 500,001 to 1,000,000

Network Flows

(Tons)

— 1 to 250,000 — 250,001 to 500,000

- 500,001 to 1,000,000

More than 1,000,000

Last Word...

- Transportation economics all wrong: transportation is a social program, not consumable good
 - Transit/dependents
 - DOD
 - Emergency Vehicles
 - Disparate funding schemas
- Privatization
 - Square Peg: Objectives all wrong
 - Maximize profit; minimize business exp



Solutions?

- Maximize existing transportation revenues
 - Gas tax vs. creative financing
 - Eliminate diversions
- Maximize transportation investments
- Truck Network?



MORE INFORMATION

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