

# AMERICAS MARINE HIGHWAY

Mississippi Valley Freight Coalition  
Meeting

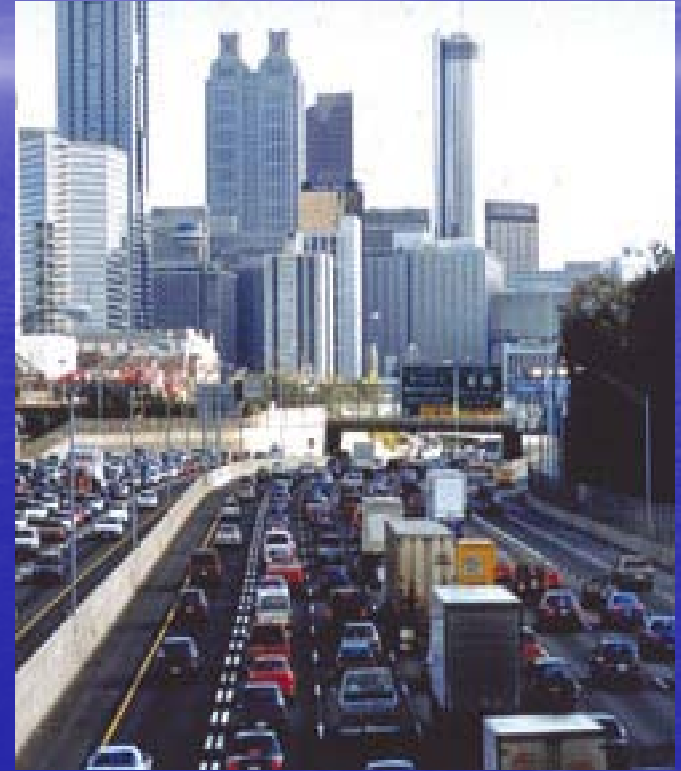
April 15, 2009

Kansas City, Missouri



# Growing Congestion

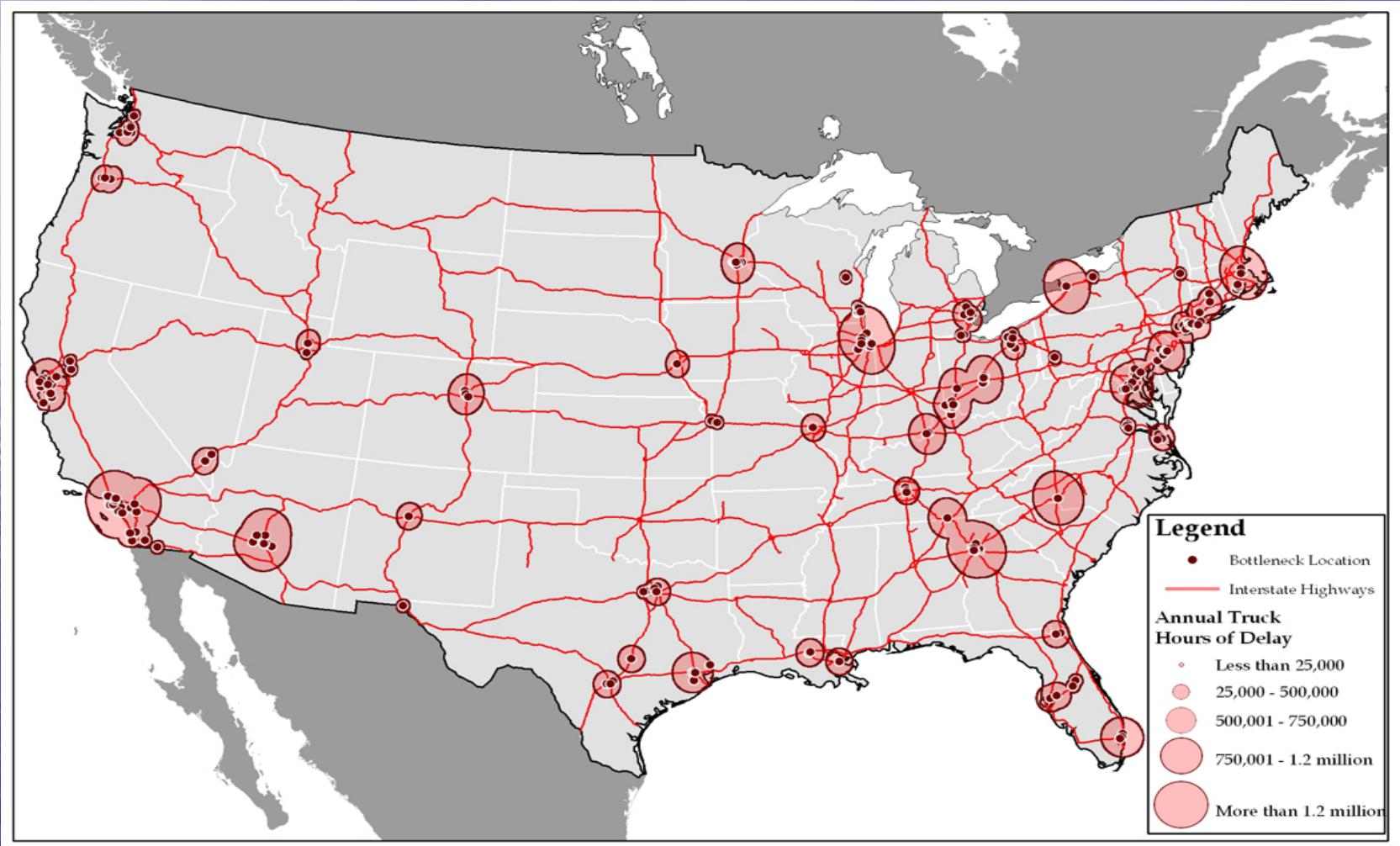
- Between 1983 and 2003, total vehicle miles traveled in the US has increased almost 90%.
- Today, the Interstate System, which comprises just over 1% of the Nation's total miles of roadway, carries almost 25% of all traffic.
- Highway congestion increased dramatically between 1983 and 2003, in both extent and duration. In the 10 most congested urban areas of the country, each rush hour traveler "pays" an annual virtual "congestion tax" of between \$850 and \$1,600 in lost time and fuel and spends the equivalent of almost 8 work days each year stuck in traffic.



Congestion in Atlanta



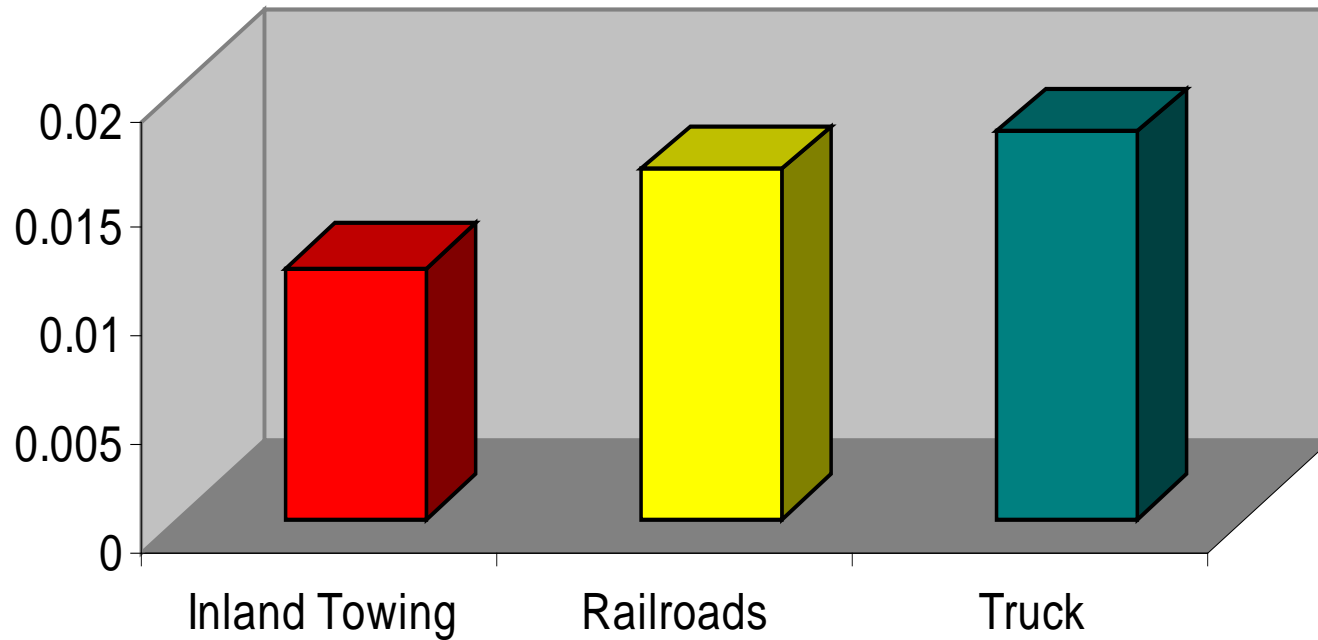
# Major Freight Truck Bottlenecks



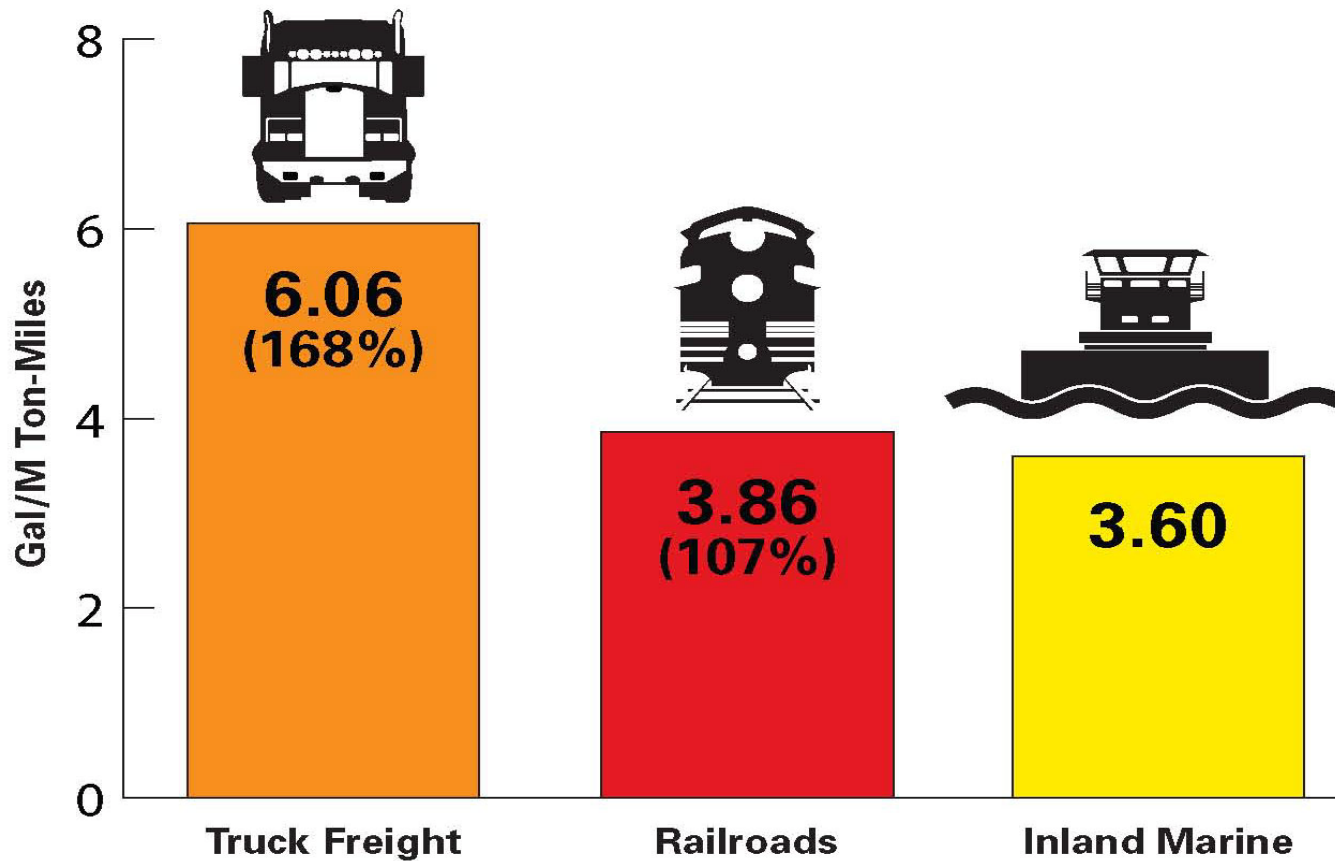


# Emissions - Particulates

Particulate Matter Emissions  
(Grams/Ton-Mile)



# HazMat Safety



All the modes work hard to prevent accidents, human errors and other causes of spills, including groundings in the case of barge transportation. Spill rates are very low, as shown in gallons per 1 Million ton-miles.

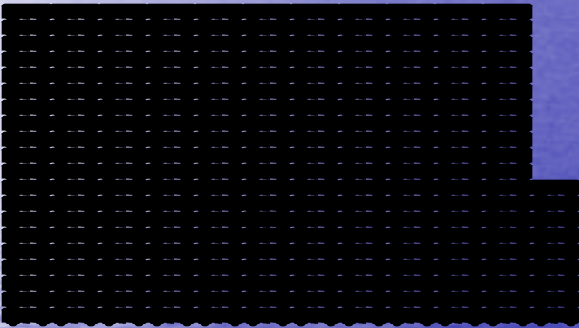
**MARINE HWY**

1 Barge tow = 456 40' Containers



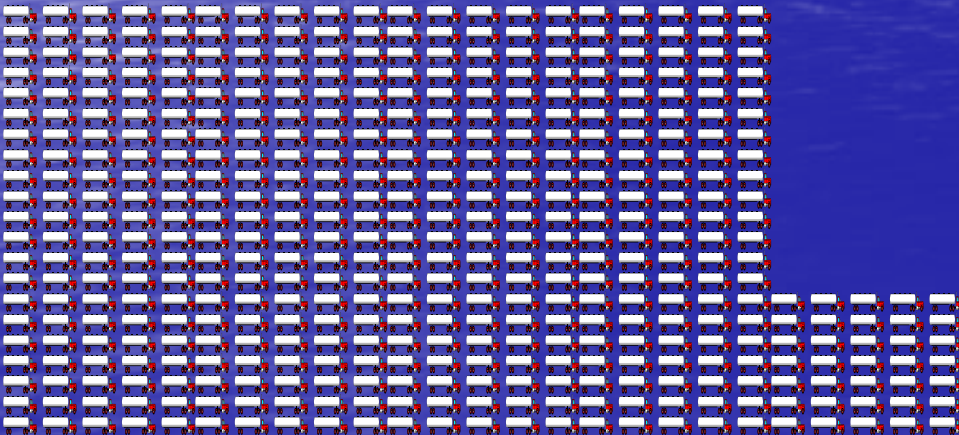
**RAIL**

228 Railcars DBL Stacked = 456 40' Containers

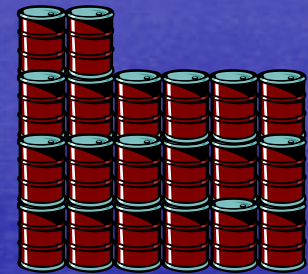


**TRUCK**

456 Trucks = 456 40' Containers



**ENERGY**





# Relationship Between Trade and Prosperity

## U.S. Trade and Gross Domestic Product

billion dollars

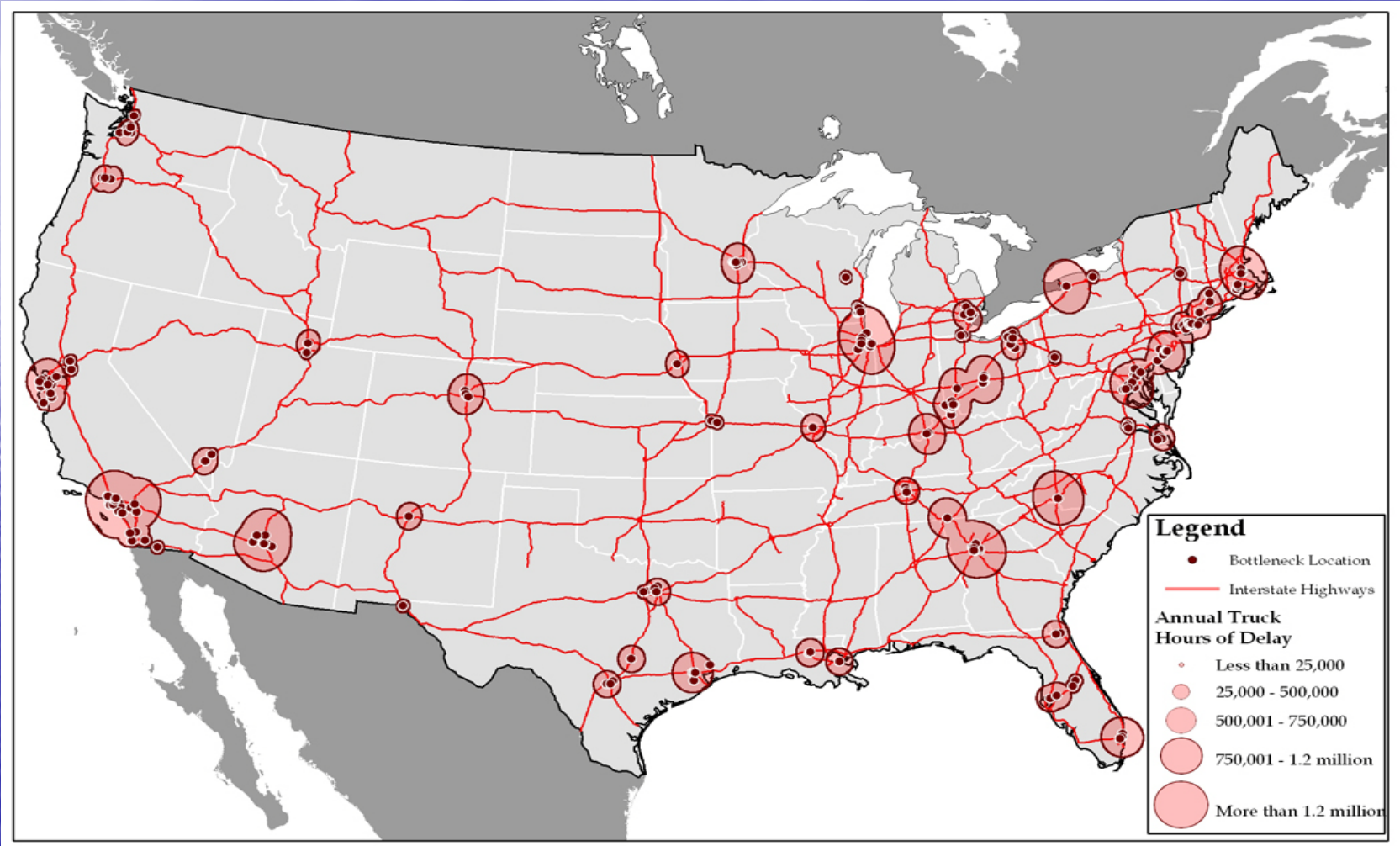


Source: U.S. Department of Transportation based on U.S. Department of Commerce data

# The Capacity Solution

- International trade will at least double by the year 2020, further stressing our already congested landside transportation system.
- Existing landside infrastructure can not support growth projections. Landside expansion is costly, protracted, and can be controversial.
- The Nation's Marine Highway system offers unlimited growth potential.
- The U.S. moves approximately 2% of our domestic freight by water:
  - Europe - 44%
  - China - 61%
- The Maritime Administration is developing initiatives to increase the marine domestic freight market share.

# Major Freight Truck Bottlenecks





# America's Marine Highways: A Solution

## Ports and Navigable Waterways of the United States



# 2008 Marine Highways Program

- **Designate Marine Highway Corridors**
  - \* Focus efforts and resources of multiple state, Transportation planners, local entities
- **Designate Marine Highway Projects**
  - \* Identify projects that would offer best public benefit (congestion, emissions, energy & infrastructure savings)
  - \* Provide support to expand or start new operations (promote, coordinate, research, identify federal cargos. Remove impediments)
- **Identify Incentives, Impediments and Solutions – Report to Congress**  
**December**
  - Establish Marine Highway Advisory Board
  - Identify & propose short term incentives
- **Conduct Research**
  - \* Identify environmental and transportation benefits
  - \* Vessel design, technology, emissions, fuel economy & increase efficiency
  - \* Studies to identify and implement solutions for specific projects
- **Capital Construction Funds are available for vessels in Marine Highway trade.**