Heartland Intermodal Partnership

Mississippi Intermodal Council Robinsonville, MS August 6, 2003

How Did the Effort Evolve?

Role of Freight in ISTEA and TEA-21

Creation of Gulf/River Intermodal Partnership – a nine-state effort to improve landside/waterside infrastructure

SAFETEA's Increased Role for Freight

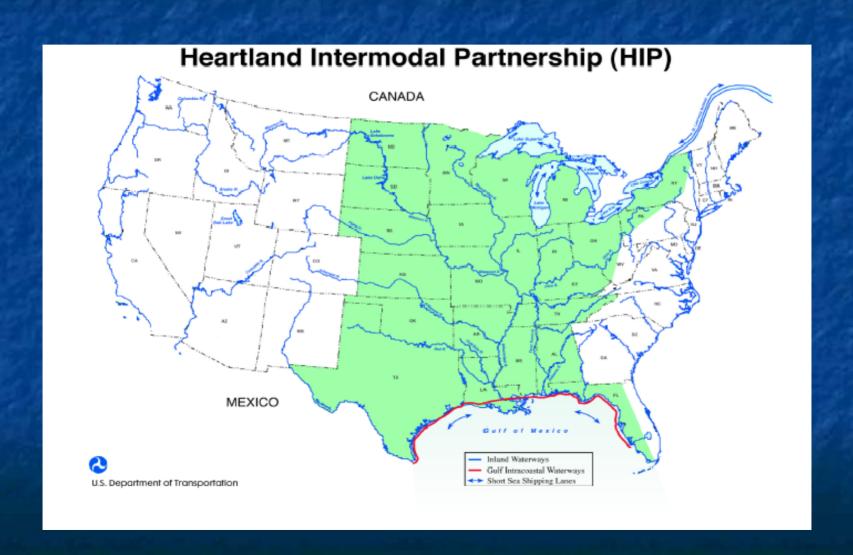
What is the Heartland Region?

The nation's manufacturing center and breadbasket includes as many as 24 states.

Immediate next-door neighbors, Canada and Mexico, are linked by both land and water.

The region has most of the nation's inland waterways, half of its largest deep-water ports, and all of the major shallow-water ports.

What is the Heartland Region?



What Freight Capacity Crisis?

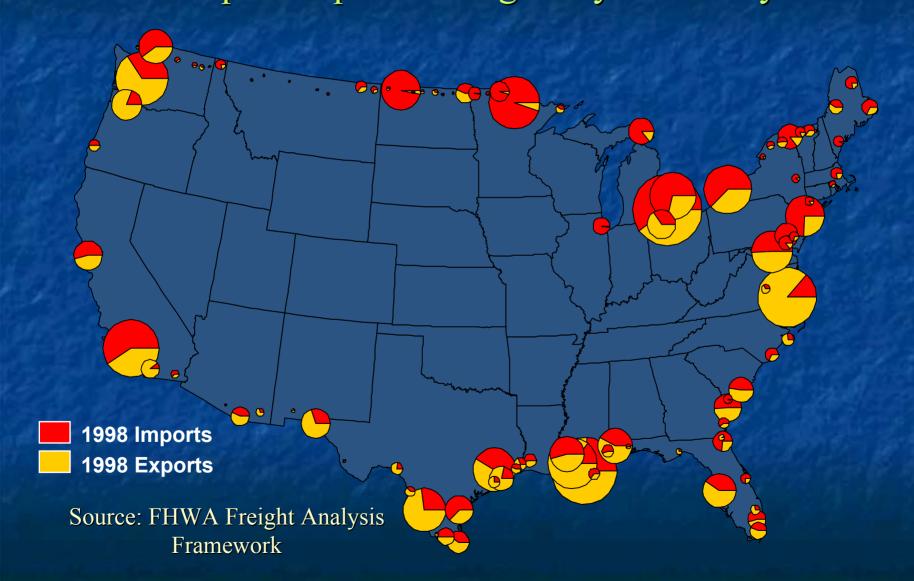
Today's traffic congestion congestion costs all of us \$78 billion annually, and wastes 4.5 billion person-hours as well as 6.8 billion gallons of fuel.

The nation's transportation system facilitates the flow of cargoes valued at more than \$9 trillion. U.S. DOT estimates that, by 2020, those flows will grow to almost \$30 trillion.





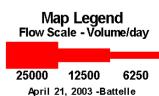
International Freight Gateways 1998 Import/Export Tonnage May Double by 2020







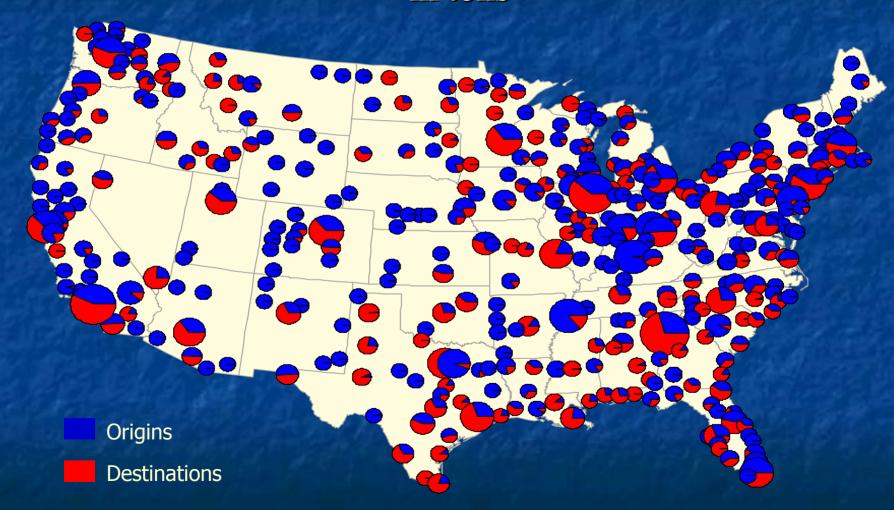
US Department of Transportation Federal Highway Administration Office of Freight and Operations Operation Core Bussiness Unit Freight Analysis Framework FAF Truck Flow (1998)

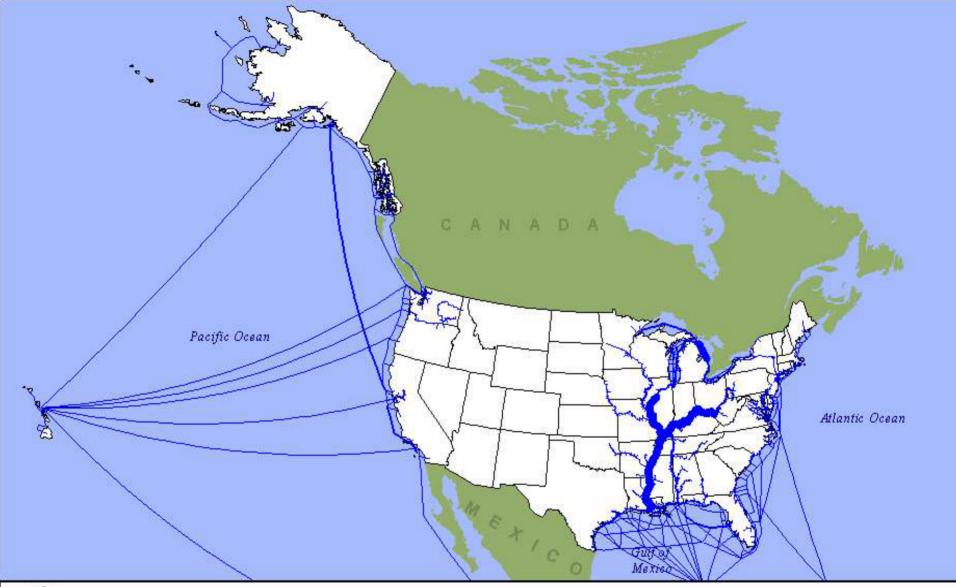




Air-Freight Origins and Destinations

All commodities, domestic airport-to-airport traffic, in tons

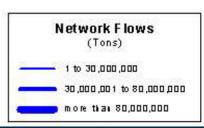






Total Combined Water Flows

(1998)



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

Mississippi's Freight Profile

MISSISSIPPI	Tons (millions)			Value (billions \$)		
	1998	2010	2020	1998	2010	2020
State Total	262	376	459	168	325	509
	Secure Of Survey			Carried Committee	Salar William	arma di
By Mode	Service Control		more and the	Company of Second	demonstration	A Service Control
Air		<	Service Street	2	5	
Highway	173	257	321	148	289	454
Other*	25	34	38	3	5	7
Rall	31	43	53	9	17	26
Water	33	42	48	- 5	9	13
				The state of the state of		
By Destination/Market	The state of the s			经生产的		
Domestic	229	328	401	157	303	472
International	- 33	48	58		22	37

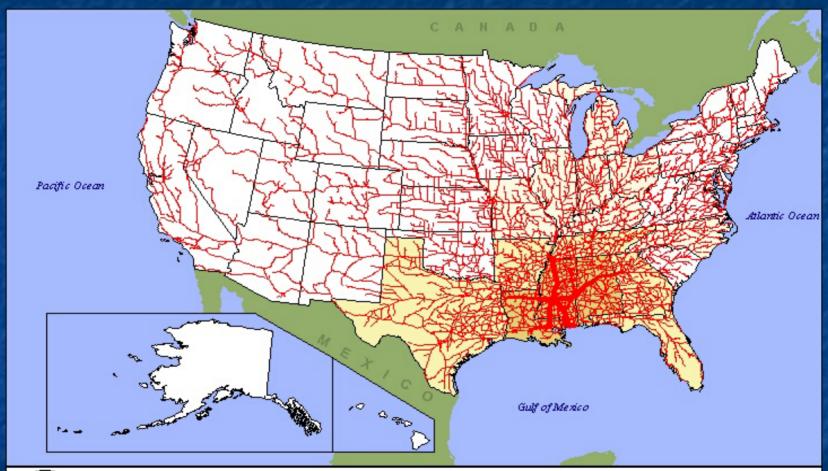
Note: Modal numbers may not add to totals due to rounding.

^a The "Other" category includes international shipments that moved via pipeline or by an unspecified mode.

Mississippi's Freight Profile

Commodity	Tons (millions)			Value (billions \$)	
	1998	2020	Commodity	1998	2020
Lumber/Wood Products	46	- 85	Secondary Traffic	35	144
Secondary Traffic	34	93	Chemicals/Allied Products	22	53
Crude Petroleum/Natural Gas	24	35	Lumber/Wood Products	17	55
Nonmetallic Minerals	23	24	Food/Kindred Products	16	55
Farm Products	23	28	Transportation Equipment	11	-25

Mississippi Truck Flows

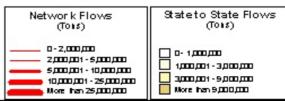




U.S. Department of Transportation Federal Highway Administration Office of Freight Management and Operations Operations Core Business Unit

MISSISSIPPI

Total Domestic Truck Flows (1998)



Mississippi Truck Flows





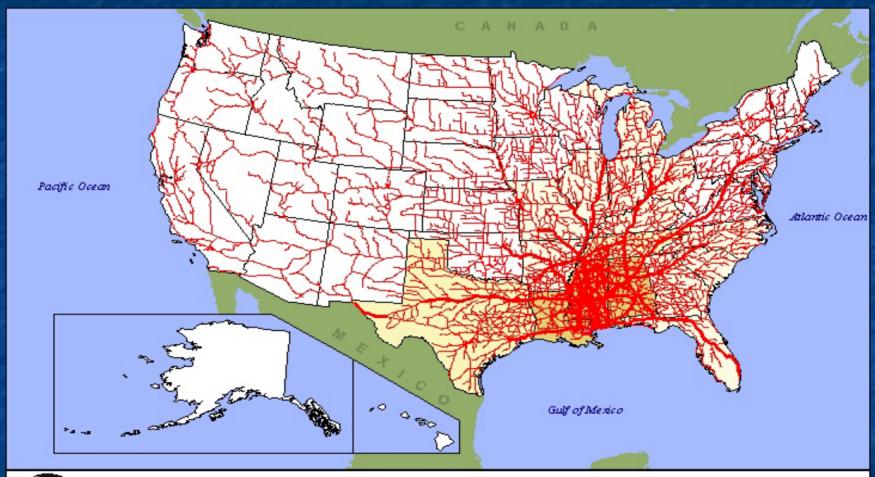
U.S. Department of Transportation Federal Highway Administration Office of Freight Management and Operations Operations Core Business Unit

MISSISSIPPI

Total International Truck Flows (1998)

| Network Flows (Toss) | State to State Flows (Toss) | O to 250,000 | O to 250,00

Mississippi Truck Flows





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

MISSISSIPPI

Total Combined Truck Flows (1998)

Network Flows (Tols) Obscorped Scorped to 10000000 1000 001 to 10000000 1000 001 to 10000000 Scorped to 50000000 More than 50000000

Mississippi Rail Flows



Mississippi Maritime Flows





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

MISSISSIPPI

Total Domestic Water Flows (1998)

Network Flows

(Tons)

0 to 3,500,000

3,500,001 to 7,000,000

7,000,000 to 10,500,000

10,500,000 to 14,000,000

State to State Flows

(Tons) 0 to 250,000

___ 0 to 250,000 ___ 250,001 to 500,000 ___ 500,001 to 1,000,000

More than 1,000,000

Mississippi Maritime Truck Flows





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

MISSISSIPPI PORTS

Inland Movement of Maritime Cargo by Truck (1998)

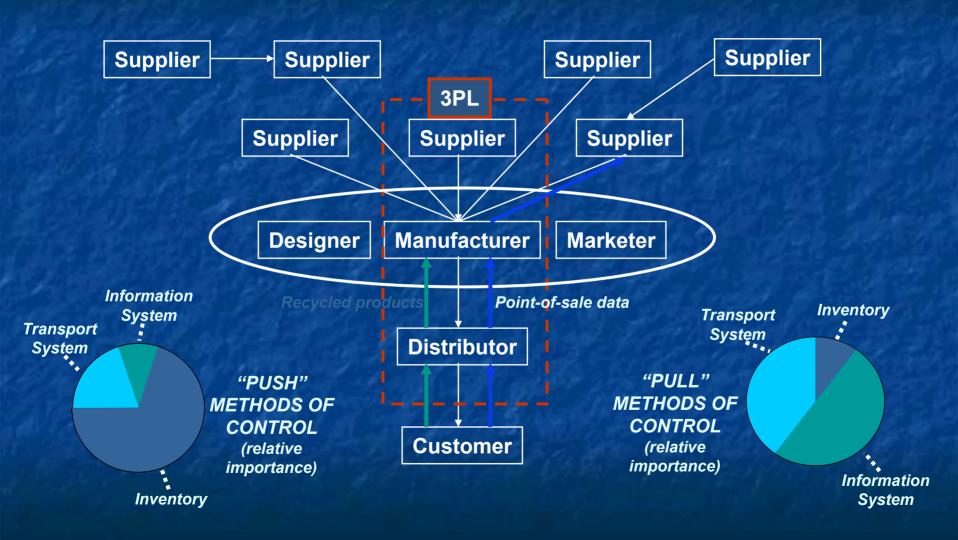
State Flows (Tons)

- 1 to 250 J 00 25 0 D 0 1 to 50 0 D 0 0
- 500,001 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 than 1,000,000

From Push to Pull Logistics Systems



Freight Growth Rates -Trend

Tonnage Forecasts –

US Domestic:

All Freight 1998-2020: 2.4% (Cumulative: 67%)

***** US International:

1998-2020: 2.8% (Cumulative: 85%)

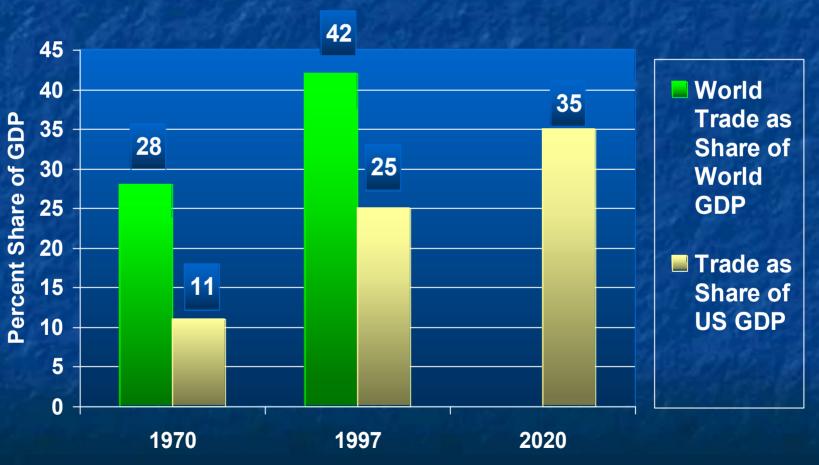
Subset - US/Canada 1998-2020: 3.2% (Cumulative: 99%)

Subset - US/Mexico 1998-2020: 5.4% (Cumulative: 217%)

Subset - US/ROW 1998-2020: 2.6% (Cumulative: 77%)

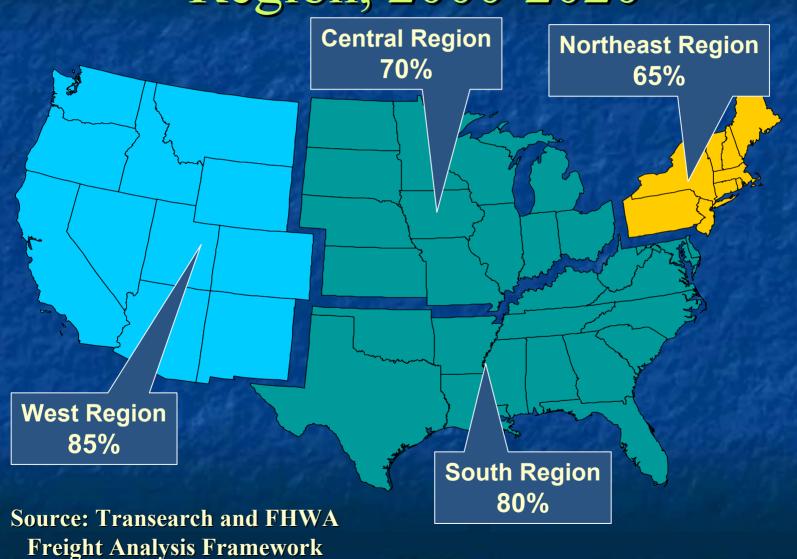
World and U.S. Merchandise Trade

Trade is growing and now accounts for 25% of U.S. GDP, up from 11% in 1970...expected to increase to 35% by 2020



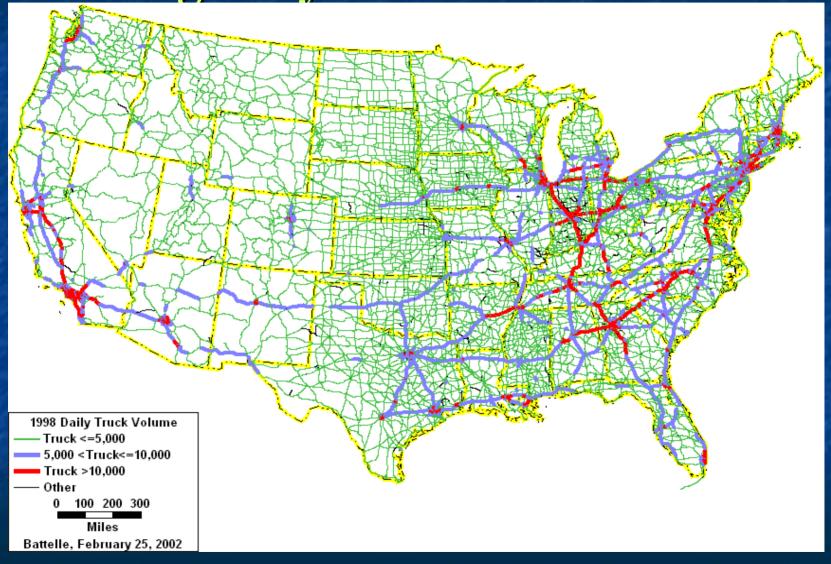
Source: World Bank, World Development Indicators 1999

Freight Tonnage Forecast by Region, 2000-2020

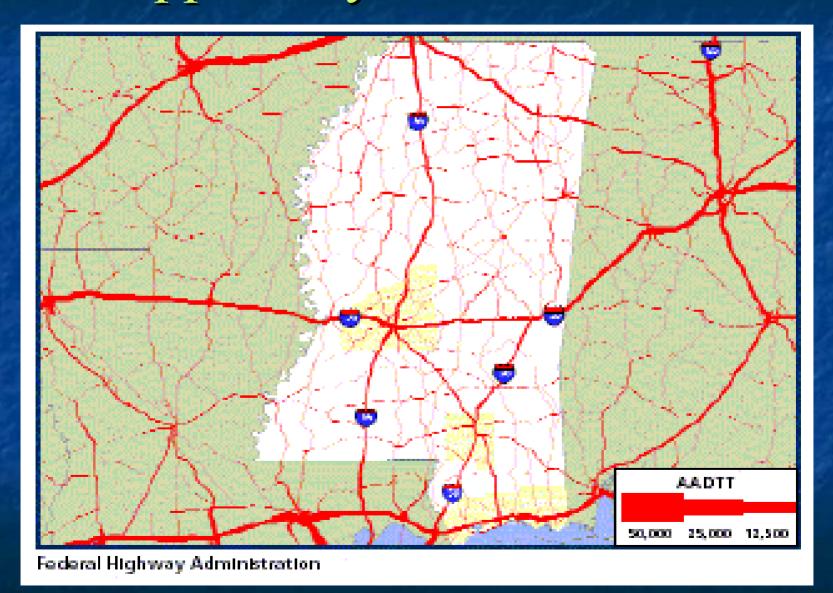


Project

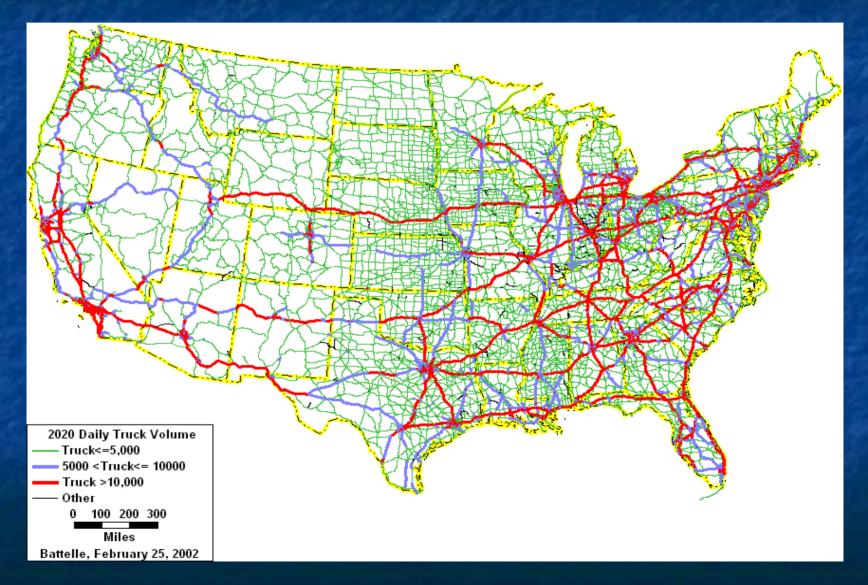
Truck Volumes on National Highway Network – 1998



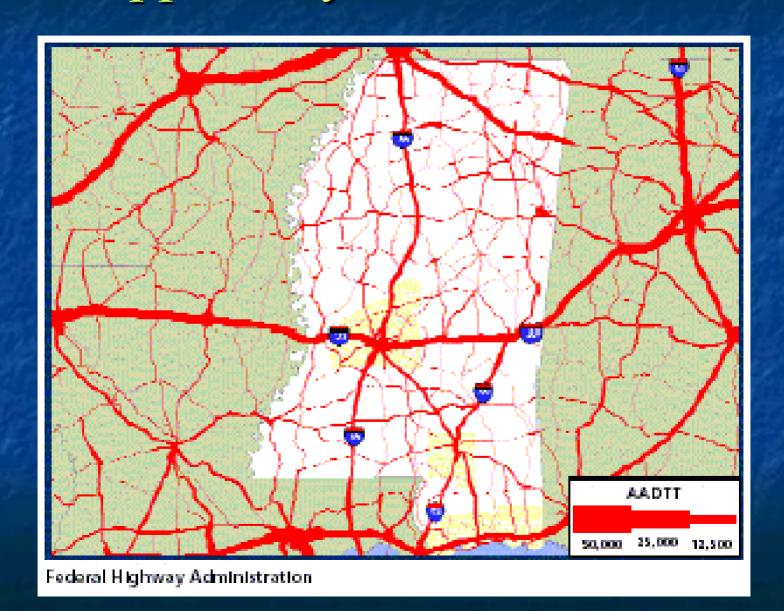
Mississippi Daily Truck Flows – 1998



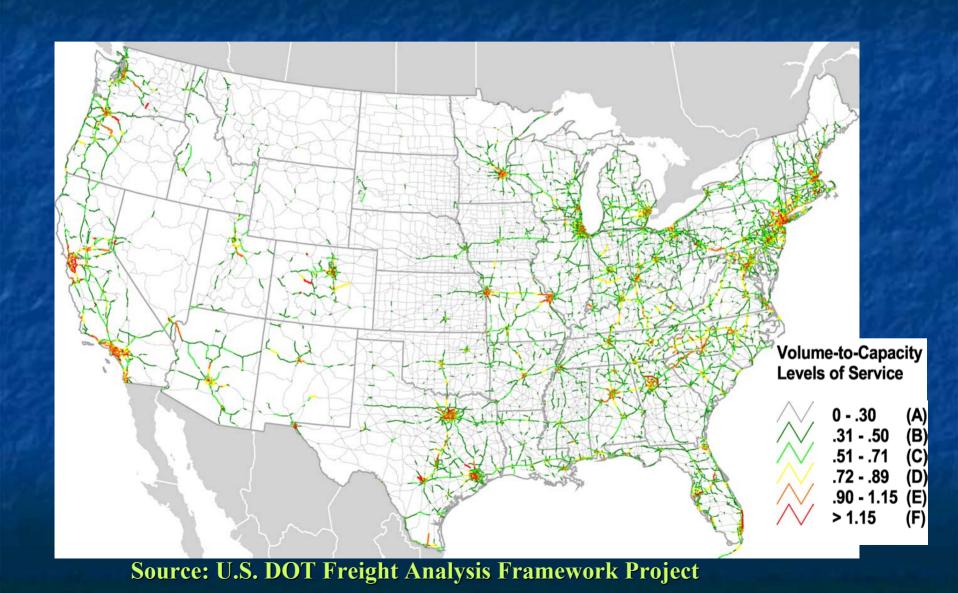
Truck Volumes on Highway Network – 2020



Mississippi Daily Truck Flows 2020



Congested Highways 2000



Potential Congested Highways 2020



Source: U.S. DOT Freight Analysis Framework Project

Community and Land Use Impacts Increasing Cost and Complexity of Expanding Marine, Rail, Truck, and Air Terminals



Intermodal Challenges



NHS Connectors

Poor physical condition Poor geometrics

"Orphan status"

Inadequate coordination of investment strategies

Intermodal Challenges

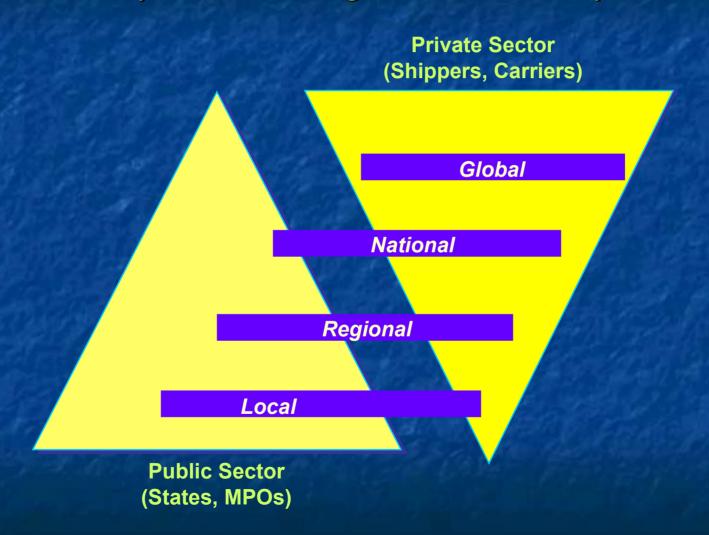


Freight Outreach Findings

Freight is not adequately addressed at state and local level

Difficult to bring public and private sectors together

Dysfunctional Public and Private Relationships....the challenge of 21st Century needs working with 20th Century institutions



What Is HIP's Mission?

❖ The Heartland Intermodal Partnership (HIP) is dedicated to promoting safe, efficient, environmentally sustainable intermodal freight transportation to mitigate impacts from projected sharp increases in volumes.

Its mission – Support the competitiveness of HIP-region business, industry and labor through improved intermodal transportation.

HIP will:

* Focus on the challenges created by the doubling of freight volumes.

Welcome infrastructure owners and investors, both public and private, who demand systemic solutions.

Commit to heightening the awareness of regional public and private-sector entities about the coming crisis in freight capacity and the Heartland's full range of resources for coping with these unprecedented demands on the region's transportation systems.

 Promote concepts and solutions that will truly benefit tomorrow's shippers, carriers
 & system owners.

Think intermodally (highway, rail, and maritime) so the nation has a safe, efficient and truly integrated transportation system.

Act as a regional forum where senior public and private-sector decision makers can explore the range of operating, policy and technology options for mitigating these anticipated adverse impacts on the security, economy, and ecology of the United States.

❖ Feature water intermodalism as an important strategy to minimize the effects of the coming congestion.

QUESTIONS?