Welcome to Memphis

Christian Brothers University: February 20, 2013
Our Friend from Cincinnati, OH

- You could have traveled from the Port of Greater Cincinnati.

- You would have traveled 740 miles and gone through 9 locks and dams before you reached the International Port of Memphis.
Our Friend from Washington, DC

- You could have traveled by rail on a CSX train to Memphis.

- It would have taken you to Huntington, WV, Cincinnati, OH, Louisville, KY, and Nashville, TN before you reached Pigeon Park in downtown Memphis.
Our Friend from Atlanta, GA

- You could have traveled from the Peach State to the Volunteer State by road.

- You could have driven US-78 through Birmingham or taken I-75 to Nashville and I-40 down to Memphis.
You could have flown out of either airport to Memphis.

There are more than 115 flight combinations to get to Memphis International Airport from Chicago.
Memphis has the highest % of its work force in transportation in the nation.
National Freight Truck Traffic over the Mississippi Bridges

Truck Tons 2008

Source: 2008 IHS Global Insight TRANSEARCH Data
National Rail Traffic over the Mississippi Bridges

National Freight (Rail) Traffic over the Mississippi River Bridges

Source: 2008 Surface Transportation Board 1% Rail Waybill Data/IHS Global Insight
Current Train Volumes Compared to Current Train Capacity

Source: Cambridge Systematics, Inc.
Note: Volumes are for the 85th percentile day.
Future Rail Corridor Volumes Compared to Current Corridor Capacity - 2035

Source: Cambridge Systematics, Inc.
Note: Volumes are for the 85th percentile day.
### Table 4.18 Inbound and Outbound Freight Tonnage by Mode (2007)

<table>
<thead>
<tr>
<th>Mode</th>
<th>Inbound</th>
<th>Outbound</th>
<th>Total</th>
<th>Percent of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck</td>
<td>44,652,944</td>
<td>28,210,898</td>
<td>72,863,841</td>
<td>46%</td>
</tr>
<tr>
<td>Carload Rail</td>
<td>30,016,423</td>
<td>25,575,845</td>
<td>55,592,268</td>
<td>35%</td>
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<tr>
<td>Water</td>
<td>14,485,559</td>
<td>4,404,196</td>
<td>18,889,755</td>
<td>12%</td>
</tr>
<tr>
<td>IMX Rail</td>
<td>4,748,440</td>
<td>5,311,600</td>
<td>10,060,040</td>
<td>6%</td>
</tr>
<tr>
<td>Air</td>
<td>1,070,009</td>
<td>872,411</td>
<td>1,942,420</td>
<td>1%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>94,973,376</strong></td>
<td><strong>64,374,949</strong></td>
<td><strong>159,348,325</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

Source: Transearch, 2007
Quadra- Modal Strategy

- R.AIL
- R.UNWAY
- R.IVER
- R.OADWAY
Rail Yards

Lift Capacity > 1.5 million TEUS
Road Congestion

Figure 4.28 Major Truck Corridors

Source: Tennessee Statewide Truck Counts, 2008
Warehouse Facilities in the Memphis Area
Memphis Freight Challenges
Roadways

- Capacity on Freight-Intensive Corridors, i.e. Lamar Avenue/US 78
- Accommodating Through Truck Flows on I-40, I-55, and future I-69
- Intermodal Connectivity, i.e., access to rail, air, and water
- Connectivity between rail carriers
- Mississippi River Rail Capacity
- Containerized trade is a fast growing segment of foreign trade
- Maintaining water access to ports, i.e., dredging
- Landside and rail access to ports
- Container-on-Barge shipments
Runway (Air)

- Implementation of Aerotropolis Plan
- Roadway access to the airport
Overall

- Doubling of freight transportation by 2035
  - Increased buying from and selling to global markets
- Intermodal Connectivity and Coordination
- Understand forecasted growth for individual modes
  - Assess capacity bottlenecks
- Congestion
  - Reliability and Costs concerns
Tasks to Address Challenges

- Coordination of local and state governments
- Incorporating Freight Planning into Long-Range regional planning efforts
- Coordinating private sector needs with public sector planning
- Evaluating the current freight transportation network and measuring performance