Data Needs in the Changing World….

The National Perspective
Public and Private Sector

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November 14, 2001
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Freight Transportation Perspectives

Private Sector (Shippers, Carriers)
- Global
- National
- Regional
- Local

Public Sector (States, MPOs)

TRB
NYSDOT
November 14-15, 2001
Saratoga Springs, NY
Modal Growth in Tonnage

Compound Annual Growth, 1990 to 2000

<table>
<thead>
<tr>
<th>Mode</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air</td>
<td>10%</td>
</tr>
<tr>
<td>Truck</td>
<td>7%</td>
</tr>
<tr>
<td>Rail Intermodal</td>
<td>5%</td>
</tr>
<tr>
<td>Average All Modes</td>
<td>4%</td>
</tr>
<tr>
<td>Rail Carload</td>
<td>1%</td>
</tr>
<tr>
<td>Inland Water</td>
<td>&gt;0%</td>
</tr>
</tbody>
</table>

Source: Reebie Associates, Transearch
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Relative Modal Tonnage

Year 2000

Source: Reebie Associates, Transearch
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World and U.S. Merchandise Trade

Percent Share of GDP

1970

1997

Source: World Bank, World Development Indicators 1999
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E-Commerce and Freight Movement

- Parcel/express
- Regional/National LTL
- Local Trucking/Courier
- Third Party
- Long-Haul Truckload
- Other
- Heavy Air Freight
- Railroad (incl intermodal)
- Steamship

Source: Morgan Stanley Dean Witter Equity Research, April 2000

TRB
NYSDOT
November 14-15, 2001
Saratoga Springs, NY
Security

“Hazardous Material Trucks Scrutinized”
   - The Boston Globe, September 27, 2001

“Officials scramble to protect transportation links”
   - CNN, November 3, 2001

“Clean Harbors to use IT in tracking hazardous materials”
   - Computerworld, November 8, 2001
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Security

Hazardous material trucks scrutinized

The Boston Globe, Thursday, September 27, 2001
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