Freight and the Impact of Technology on Freight

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Dan Pallme, Assistant Chief of Freight & Logistics
Interim Director of Multimodal

1. Transit
   - Administration of state and federal transit funding programs supporting large urban, small urban and rural transit providers, as well as non-profit serving the elderly and people with disabilities.

2. Rail
3. Active Transportation
4. Water
   - Responsible for the grants and programs within these 4 sectors.
   - Rail Competitive
   - Rail Rehabilitation
   - IMPROVE transit
   - Multimodal access grants
Freight Movement is Multimodal

Every mode of transportation moves freight, but trucking is the primary mode of freight travel.

<table>
<thead>
<tr>
<th>Mode</th>
<th>2013 (in tons)</th>
<th>2040 (in tons)</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck</td>
<td>14 billion</td>
<td>18.8 billion</td>
<td>+35%</td>
</tr>
<tr>
<td>Rail</td>
<td>1.9 billion</td>
<td>2.8 billion</td>
<td>+49%</td>
</tr>
<tr>
<td>Waterborne</td>
<td>808 million</td>
<td>1.1 billion</td>
<td>+32%</td>
</tr>
<tr>
<td>Air</td>
<td>15 million</td>
<td>53 million</td>
<td>+263%</td>
</tr>
</tbody>
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Source: Beyond Traffic
Freight Alley

A region where logistics contributes to more than 40% of the economy. Freight Alley is an area that roughly defines freight traffic moving throughout the southeastern US, particularly in Tennessee, South Carolina, North Carolina, Georgia, and Alabama. For years, the region has been a manufacturing powerhouse and in no-small coincidence a major distribution and logistics region. We have named this region Freight Alley because of the importance logistics and transportation plays in the region and how important the region is to the North American logistics map. According to the latest census data, 37 million people calls this area home (the Canadian population is 36.29 million). Also, interesting enough, the GRP (Gross Regional Product) of Freight Alley is $1.75 trillion, slightly higher than the GDP of Canada at $1.53 trillion.
Tennessee leads the nation in distribution

Rail – 6 out of 7
River – 5th largest inland port
Runway – largest North American airport
Road – major thoroughfares

It spurs two other growth areas that are critical to Tennessee:

Tourism & Economic Development
So why is it important?

Tennessee population growth expected to grow by 2.1 million by year 2040. Expected 34% growth!

Two million more jobs by 2040

90% growth in population (age 65+) by 2040
Freight Numbers Nationally 2019

- What is the current environment of freight?
Freight Movement - Today

• What is the current environment of freight in Tennessee?
Freight Concerns / Opportunities

- Congestion / Infrastructure Issues
- Resiliency
- Truck Parking
- New ideas
- Fuel
- Multi-modal supply chains in the future
- First mile / last mile
- You want it when? – Urban freight deliveries
Technology Impacts to Concerns/Oppty

- Congestion / Infrastructure Issues
- Resiliency
- Truck Parking
- New ideas - Technology impacts example
- Fuel
- Multi-modal supply chains in the future
- First mile / last mile
- You want it when? – Urban freight deliveries
Outside the box thinking: COB (Total Supply Chain)
Should we worry at the DOT?
Dan Pallme, Assistant Chief of Freight & Logistics
Interim Director of Multimodal Division
Environment & Planning Bureau
615-741-4031 office
615-879-4390 cell
Daniel.pallme@tn.gov

Let me know if you know others that want to be included on our freight contact list.