ATRI

Trucking industry’s not-for-profit research organization

- Safety
- Mobility
- Economic Analysis
- Technology
- Environment

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2019 Top Industry Issues

1. Driver Shortage
2. Hours-of-Service
3. Driver Compensation
4. Delay at Customer Facilities
5. Truck Parking
6. Driver Retention
7. ELD Mandate
8. CSA
9. Infrastructure/Congestion
10. Economy
Driver is Central

Retention

Shortage

Compensation

TRUCK DRIVER
Truck Driver Age Demographics

2018

- 20-24 yrs: 4.5%
- 25-34 yrs: 18.2%
- 35-44 yrs: 22.1%
- 45-54 yrs: 26.0%
- 55-64 yrs: 22.3%
- 65+ yrs: 7.0%

- Truck transportation
- Construction
- Professional /Business Services
- All U.S. Industry
Truck Driver Age Demographics

<table>
<thead>
<tr>
<th>Age Group</th>
<th>2013</th>
<th>2003</th>
<th>1994</th>
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<tr>
<td>20-24</td>
<td>4.9%</td>
<td>5.6%</td>
<td>9.2%</td>
</tr>
<tr>
<td>25-34</td>
<td>15.6%</td>
<td>21.7%</td>
<td>30.4%</td>
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<td>35-44</td>
<td>24.0%</td>
<td>28.7%</td>
<td>29.5%</td>
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<tr>
<td>45-54</td>
<td>29.3%</td>
<td>26.1%</td>
<td>20.0%</td>
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<tr>
<td>55-64</td>
<td>20.1%</td>
<td>14.0%</td>
<td>9.1%</td>
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<tr>
<td>65+</td>
<td>6.1%</td>
<td>2.8%</td>
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</table>
Impact of the Urban Freight Environment

- Parking (Staging)
- Delivery Issues (Detention)
- TRUCK DRIVER SATISFACTION
- HOS Issues
- Congestion
- Parking (Rest)
Urban Freight
Urban Freight
Urban Freight
Urban Freight – Operational Inefficiencies
Cost of Congestion

- Congestion on U.S. NHS cost trucking industry $74.5B in 2016
- Lost productivity = 1.2 billion hours
  - Equates to 425,533 commercial drivers sitting idle for entire year
Congestion Costs the Economy

ATRI research findings:

$74.5 billion
Annual cost to the trucking industry as a result of congestion on the nation’s highways

1.2 billion
Lost hours of trucking industry productivity due to congestion

425,533
Equivalent number of truck drivers sitting idle for an entire year

The Nation’s Top Truck Bottlenecks 2019

To view the top 100 list of truck bottlenecks along with detailed profiles for each location, please visit ATRI’s website: TruckingResearch.org
Cost of Congestion

Los Angeles metro worst with $1.1B in costs
Impact of the Urban Freight Environment

- Parking (Staging)
- Delivery Issues (Detention)
- Congestion
- HOS Issues
- Parking (Rest)
No Vacancy
Impact of the Urban Freight Environment

Parking (Staging)

Parking (Rest)

Congestion

Delivery Issues (Detention)

HOS Issues

TRUCK DRIVER SATISFACTION
Detention Time Impacts

- Multi-year analysis of detention impacts on industry safety and productivity
- Based on over 1,900 driver and motor carrier surveys collected in 2014 and 2018
Detention Getting Worse

- Between 2014 and 2018, drivers reported a 27.4% increase in delays of 6+ hours.
- Nearly 40% increase in drivers reporting the majority of appointments delayed due to customer actions.

![Chart showing percent change in appointment delays by percentage of appointment delays.](chart.png)
Impact of the Urban Freight Environment

Parking (Staging)

Parking (Rest)

Delivery Issues (Detention)

Congestion

HOS Issues

TRUCK DRIVER SATISFACTION
Hours of Service

- On Duty Limit – 14 hours
- Drive Time Limit – 11 hours
- Rest Break – 10 hours
  - 30 Minute Rest Break after 8 hr on duty
Trucks are Essential to Urban Regions

Therefore:
- Include a Trucking Component in Urban Planning

Focus on the Key Issues
- Efficient Access to the Urban Environment
  - Adequate Infrastructure
  - Choke Points
- Parking
- Delivery
Urban Planning
Understand the Driver

Planning and Policy from the Perspective of the Driver

- Who is the driver delivering to?
- What is the driver delivering?
- Why is the driver in your city?
- Where with the driver travel, and to what destination?
- When does the driver need to be there?
Data is Essential
Data is Essential

New York City Truck Activity

Truck Pings per Tenth of a Mile
- 0.002 - 0.006
- 0.007 - 0.021
- 0.022 - 0.063
- 0.064 - 0.225
- 0.226 - 949.456
Questions?

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