

# Truck Parking on the I-81 Corridor

## I-81 Truck Parking Roundtable

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*Advancing Transportation through Innovation*

# The I-81 Corridor Coalition



## System Reliability

Crash Incidents

Technology  
Application

Prevention

Management

Future  
Corridor

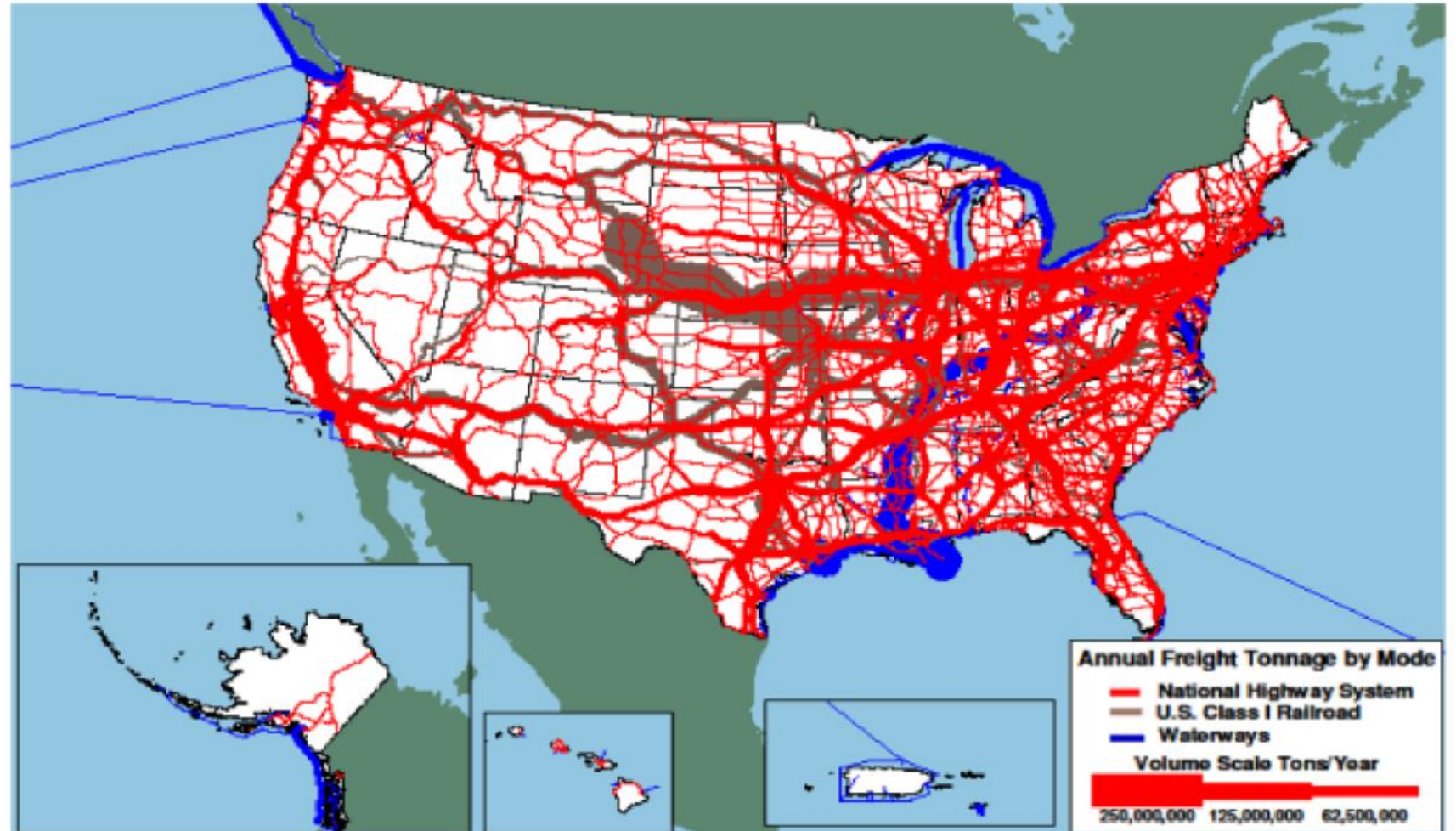
# The I-81 Corridor

- Spans 6 states extending from I-40 in TN to the Canadian Border in NY
- Appalachian track with varying topography
- Relatively rural with limited alternate routes
- Diverse weather conditions
- In Virginia, 325 miles
  - ~12 M trucks per year
  - 42% of VA truck traffic by count
  - Primarily 2 lane with some 3 lanes sections



# Freight by Mode

Exhibit 1-17 Tonnage on Highways, Railroads, and Waterways, 2010



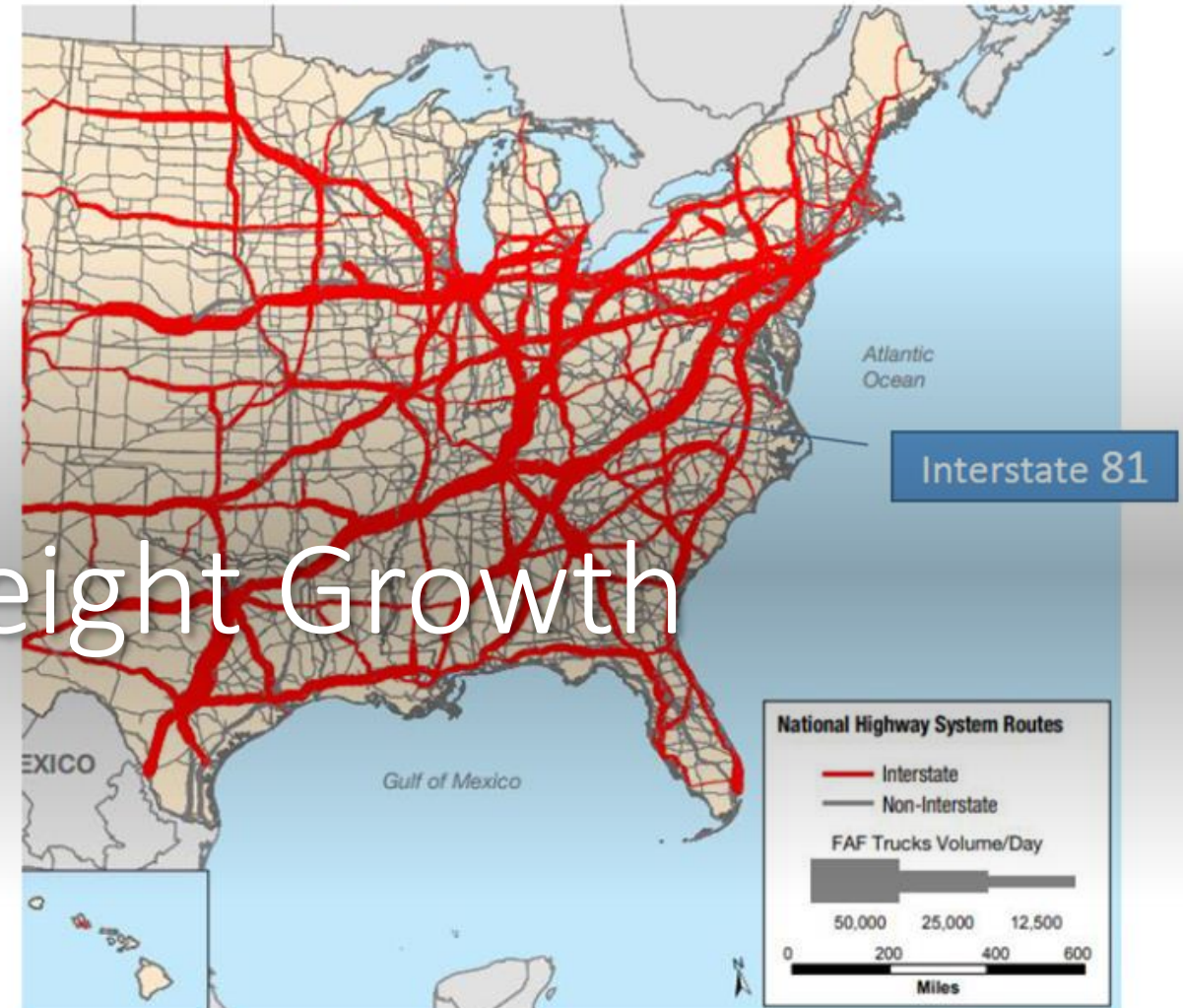


# Truck Freight 2011 vs 2040 (projected)

Average Daily Long-Haul Traffic on the NHS: 2011



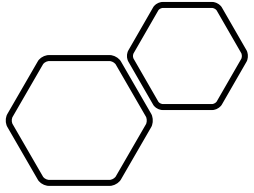
Average Daily Long-Haul Traffic on the NHS: 2040



Highway Freight Growth

Sources: Freight Facts and Figures 2013: [https://ops.fhwa.dot.gov/freight/freight\\_analysis/nat\\_freight\\_stats/docs/13factsfigures/index.htm](https://ops.fhwa.dot.gov/freight/freight_analysis/nat_freight_stats/docs/13factsfigures/index.htm)





## Inadequate Truck Parking is Primarily a Safety Issue

- Illegal and unsafe parking
- Creates increased risk for
  - Truck drivers
  - Law enforcement
  - Other drivers



# Driver Drowsiness Causes Crashes

- Inadequate or poor-quality sleep results in driver drowsiness
- Major causal factor for crashes
- Underreported as a crash cause in police reports
- Cause and effect are difficult to link using available data
- Increase in off-road excursions during rollback of HOS regulations during COVID



## Inadequate Truck Parking Causes Inefficiency and System Reliability Problems

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- Traffic congestion from crashes
- Manufacturing challenges (e.g., just-in-time)
- Lost system efficiency
- Delivery delays





# Other Effects of Inadequate Truck Parking

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- Driver time spent looking for parking
  - Decreased driver income
  - Increased local truck traffic and congestion
  - Increase air pollution and road wear
- Increased driver stress for an already at-risk population
- Poor sleep quality (risk, noise, lack of facilities, risk of fines)
- Nuisance issues (e.g., trashed roadside areas)
- Crashes and congestion create negative economic effects

# Truck Parking Issues Transcend Borders

## 10 Hours of Travel Radius



# Thank You

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