



MARYLAND FREIGHT SUMMIT

Freight in the Mid-Atlantic Region

September 10, 2007

The DoubleTree Hotel
Annapolis, Maryland

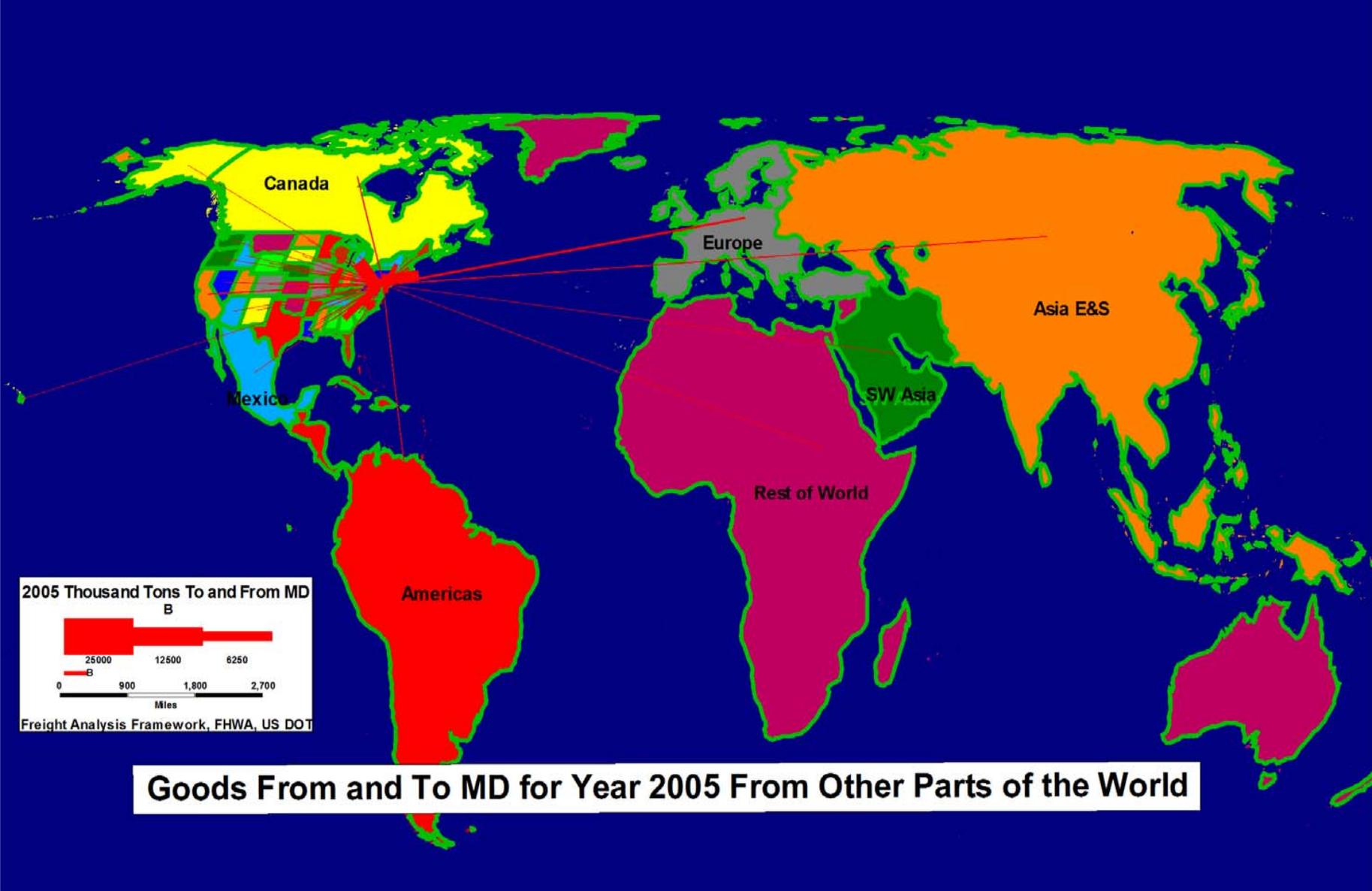
Jeffrey F. Paniati
Associate Administrator for Operations
Federal Highway Administration

Evolution of Logistics

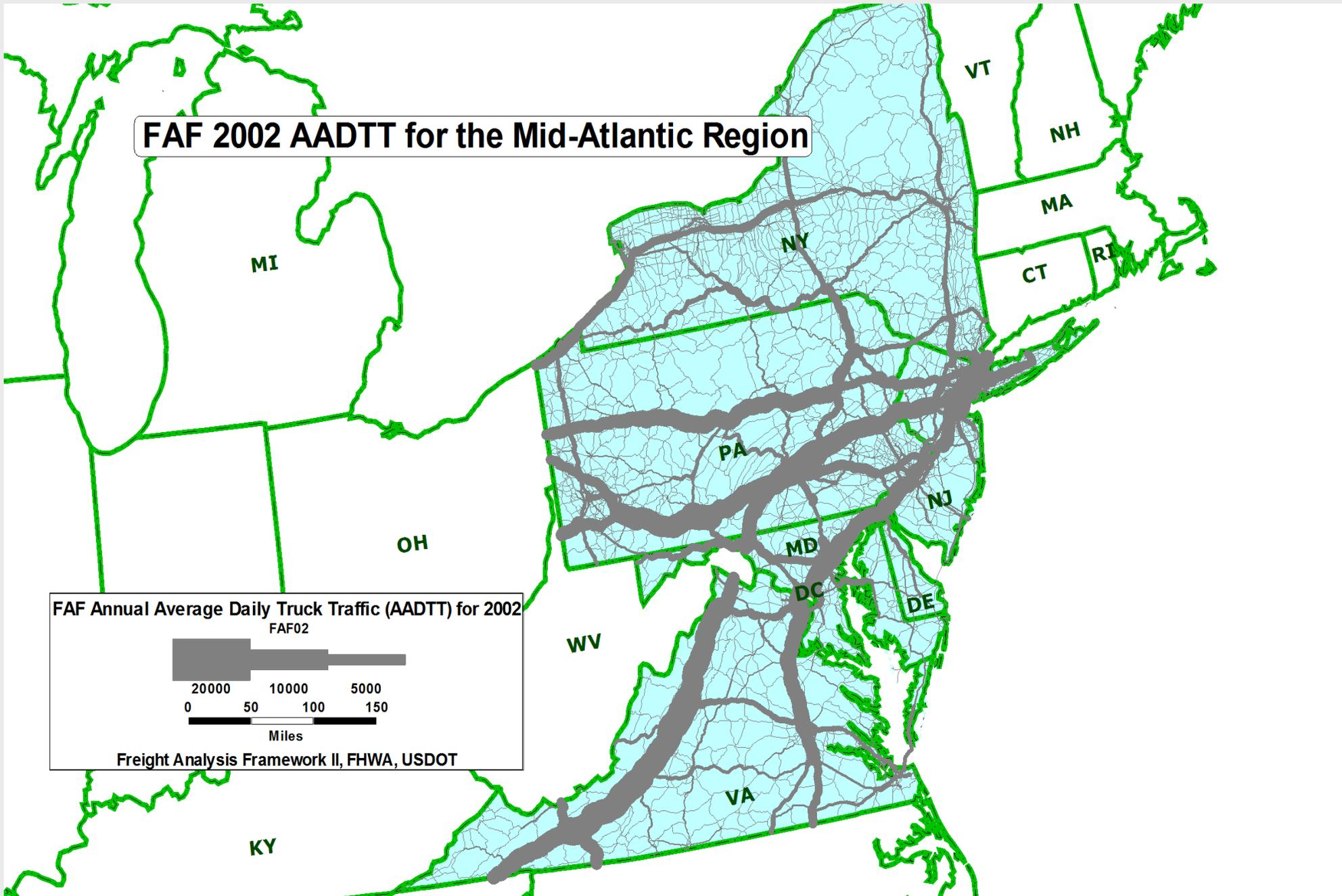
- 1970's - Logistics Revolution.
- 1990's - Just in Time/Time Certain Delivery.
- 21st Century - Supply Chain Management Networks.
- **Fast and Reliable** transportation is the cornerstone of these strategies.



Globalization



FAF 2002 AADTT for the Mid-Atlantic Region



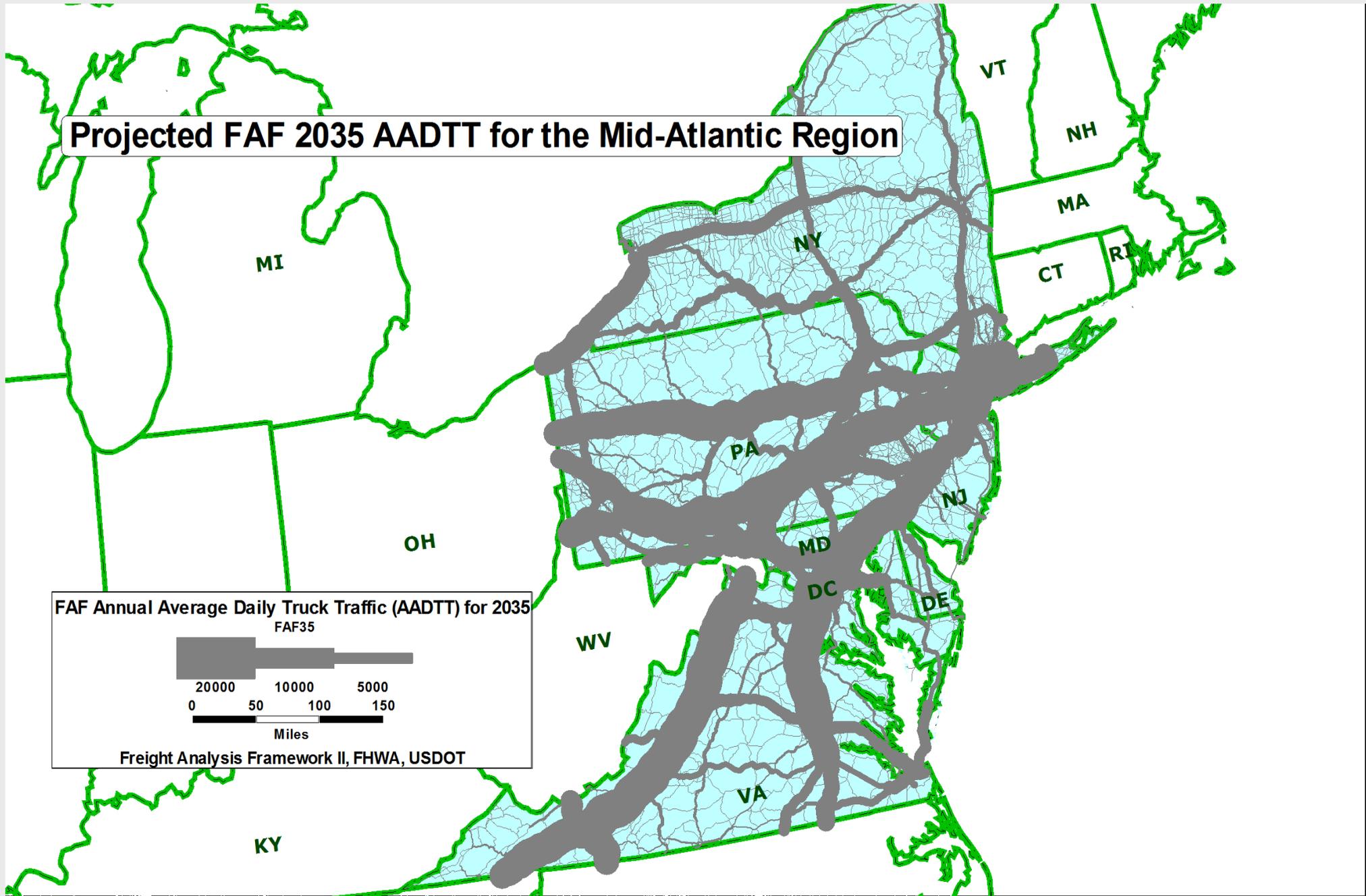
FAF Annual Average Daily Truck Traffic (AADTT) for 2002
FAF02

20000	10000	5000	
0	50	100	150

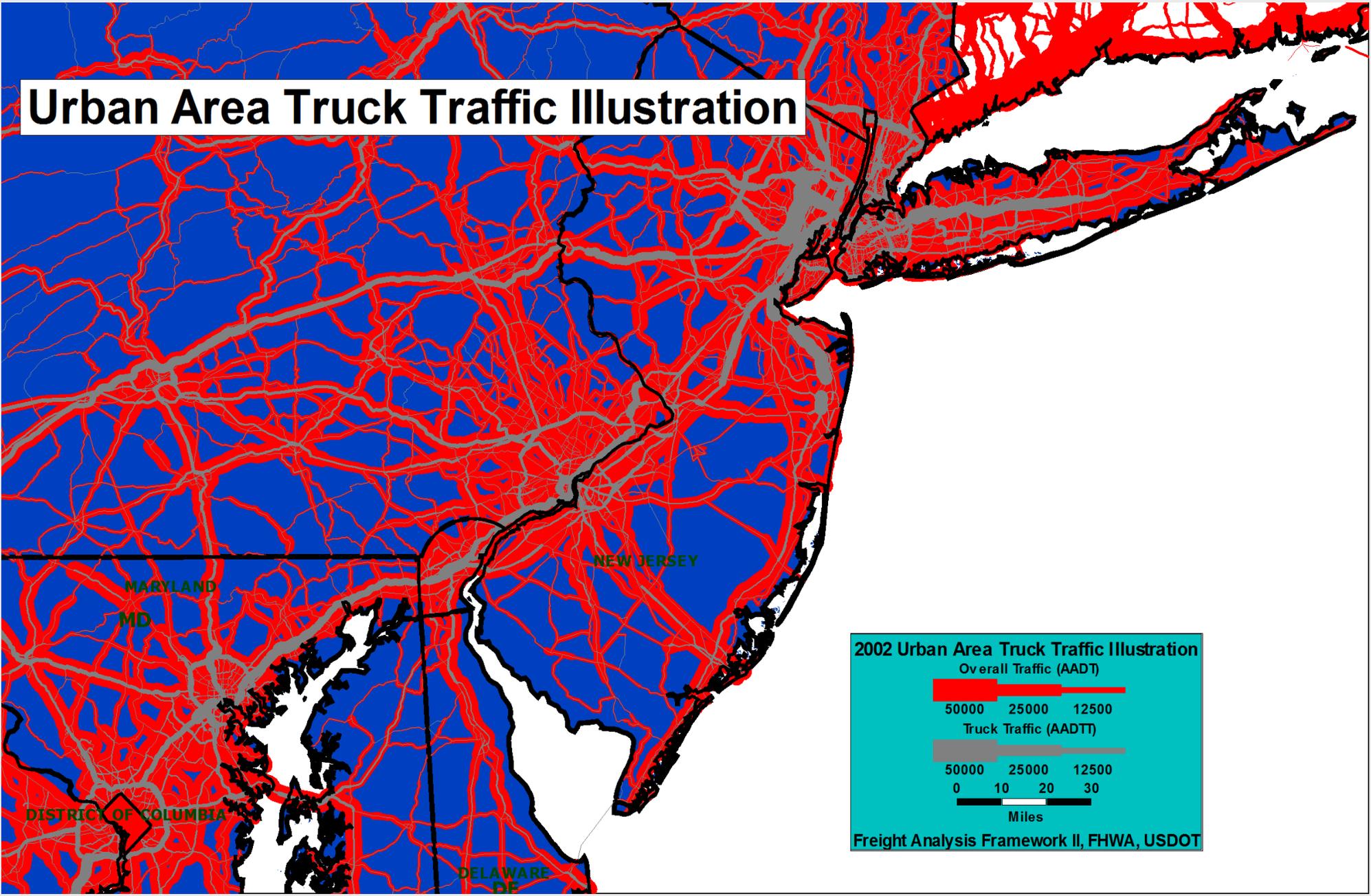
Miles

Freight Analysis Framework II, FHWA, USDOT

Projected FAF 2035 AADTT for the Mid-Atlantic Region

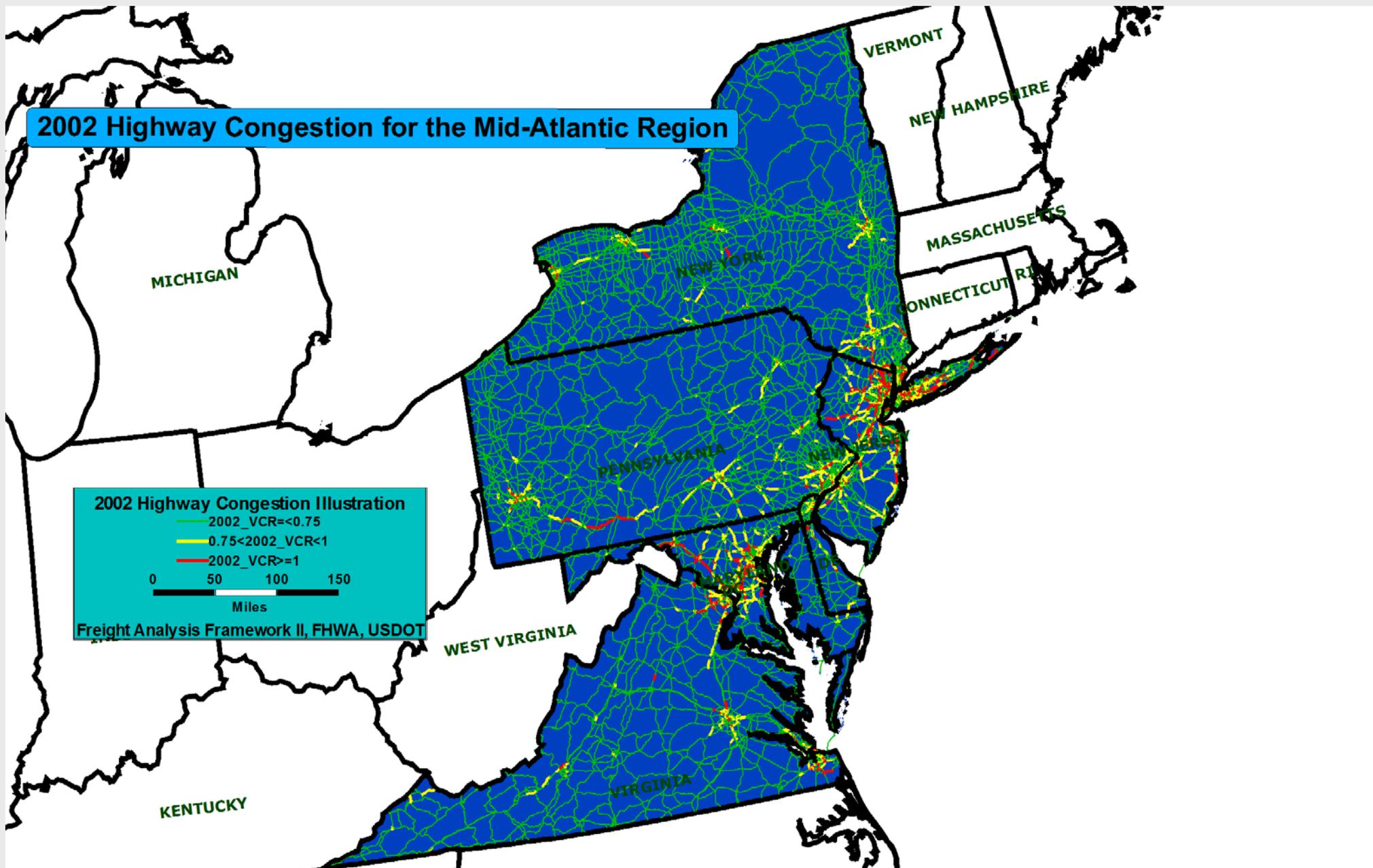


Urban Area Truck Traffic Illustration

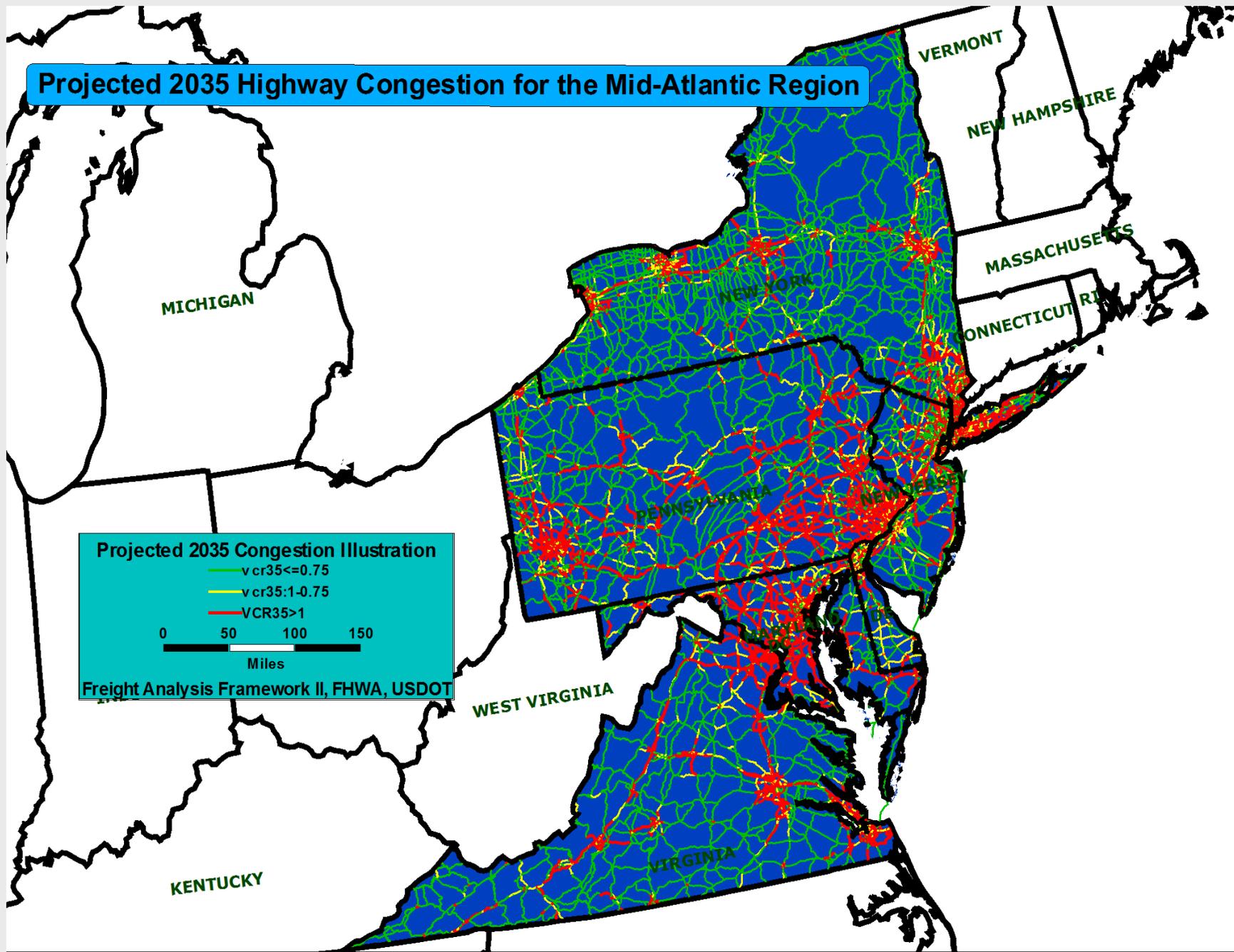


2002 Urban Area Truck Traffic Illustration
Overall Traffic (AADT)
50000 25000 12500
Truck Traffic (AADTT)
50000 25000 12500
0 10 20 30
Miles
Freight Analysis Framework II, FHWA, USDOT

2002 Highway Congestion for the Mid-Atlantic Region



Projected 2035 Highway Congestion for the Mid-Atlantic Region

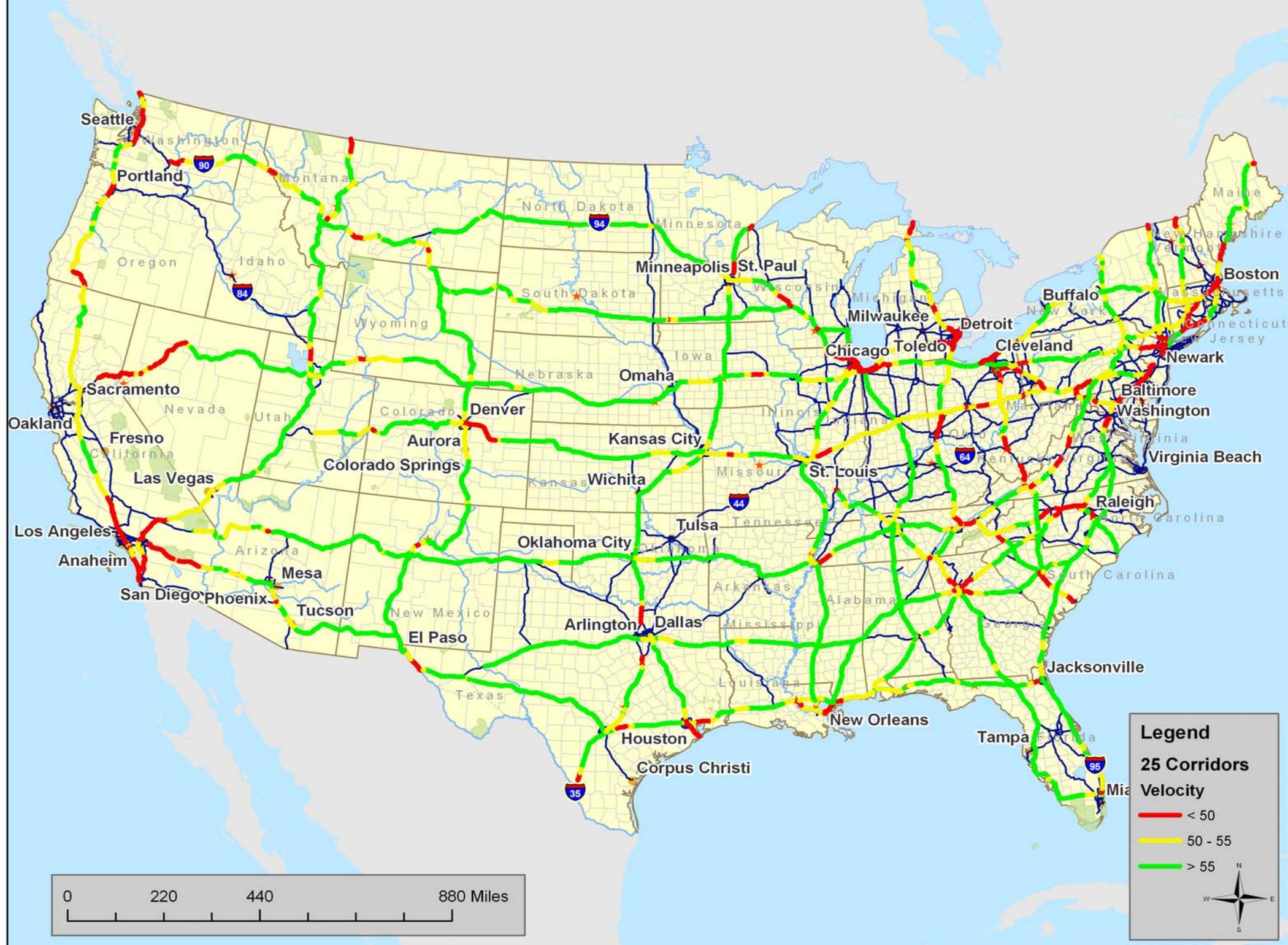


Projected 2035 Congestion Illustration

- $V_{CR35} \leq 0.75$
- $V_{CR35}:1-0.75$
- $V_{CR35} > 1$

0 50 100 150
Miles

Freight Analysis Framework II, FHWA, USDOT



Legend

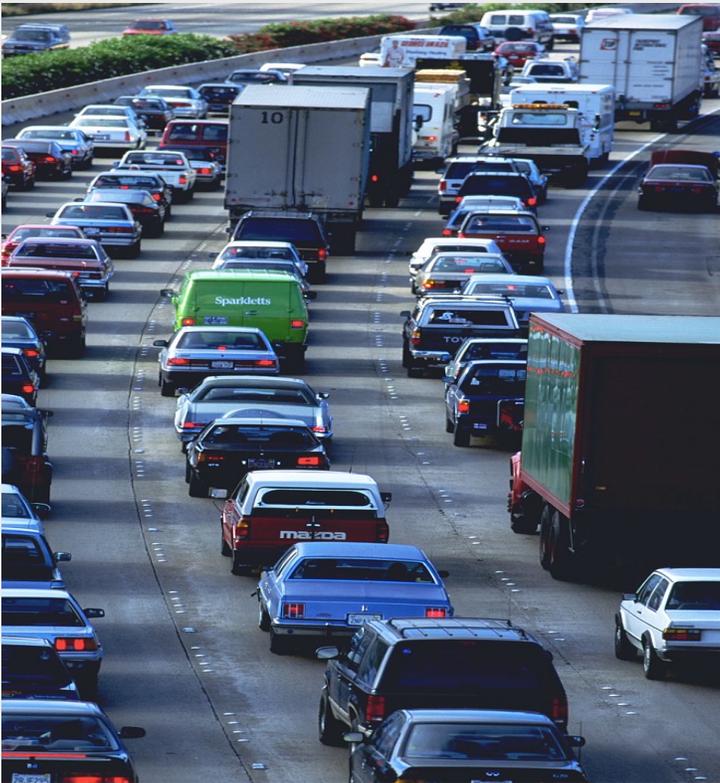
25 Corridors

Velocity

- < 50
- 50 - 55
- > 55



Federal Efforts to Reduce Congestion and Improve Freight Movement



- Urban Partnerships
- Technology and Operations
- Corridors of the Future
- National Freight Policy

Congestion Pricing – Bringing Supply and Demand into Alignment

- Failure to properly price travel on highways is a root cause of congestion.
 - ✧ The price of highway travel (gas taxes, registration fees, etc.) bears little or no relationship to the cost of congestion.
 - ✧ Unlike other public utilities, the public expectation is that the “service” is free or does not change with changes in demand.
- Allocating transportation services via pricing is more efficient than allocating by delay.



Urban Partnership Agreements – Congestion Pricing

➤ Integrated “4T” Strategy

✧ TOLLING (pricing) – Key Element

- ✧ Direct user charge based on use of facility; varies based on level of congestion.
- ✧ Toll collection via electronic means (no booths).

✧ Transit

✧ Telecommuting/Travel Demand Management

✧ Technology



Urban Partners



Technology and Operations



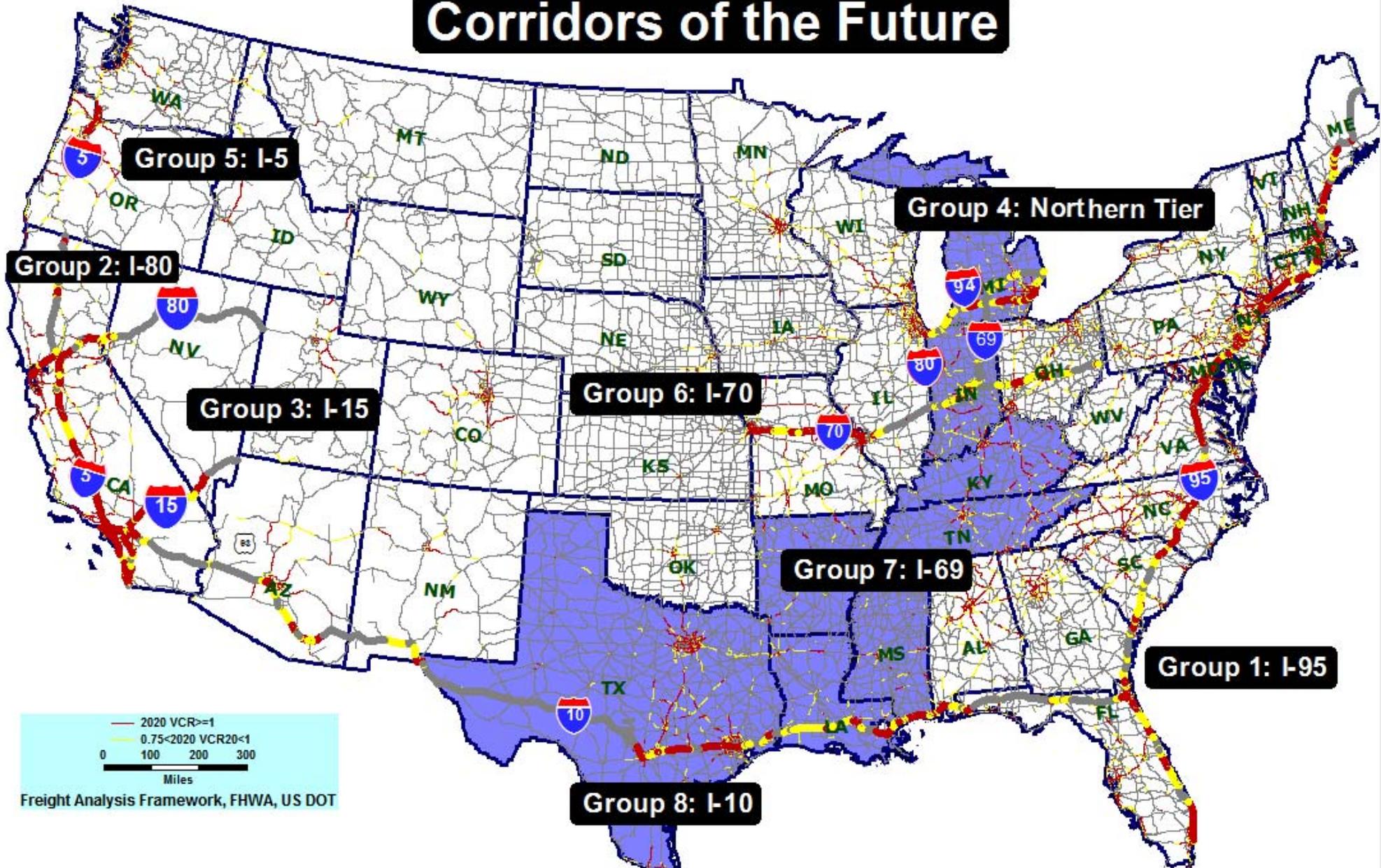
- Improve traveler information.
- Reduce incident delay.
- Reduce work zone delay.
- Improve traffic signal timing.
- Mitigate bottlenecks.

Corridors of the Future

- Accelerate the development of multi-State transportation corridors for one or more modes.
 - Select up to 5 major transportation corridors in need of investment for the purpose of reducing congestion.
 - Applications from either public or private sector entities.
 - Phase 1
 - 38 “Expressions of Interest” received.
 - Phase 2
 - 8 corridors (14 proposals) selected.
 - Final Phase
 - Announcement of Corridors of the Future.
 - Actively support corridors.
-

Corridors of the Future – Phase 2

Corridors of the Future



National Freight Policy - 7 Objectives

- **Improve the operations of the existing freight transportation system.**
 - **Add physical capacity to the freight transportation system in places where investment makes economic sense.**
 - **Use pricing to better align freight system costs and benefits and encourage the deployment of new technologies.**
 - **Reduce/remove statutory, regulatory, and institutional barriers to improved freight transportation performance.**
 - **Proactively identify and address emerging transportation needs.**
 - **Maximize the safety and security of the freight transportation system.**
 - **Mitigate and better manage the environmental, health, and community impacts of freight transportation.**
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Moving Forward

➤ Policy

- ✧ Congestion Pricing
- ✧ Aggressive Management and Operations

➤ Collaboration

- ✧ Public Private Partnerships
- ✧ Coordinated Activity Public and Private
- ✧ Multi-State, Regional, Corridor Cooperation

➤ Performance Based Decisions

- ✧ Data/Analysis is Key