



I-95 Corridor Coalition

I-95 Freight Programs



***George Schoener, Executive Director
I-95 Corridor Coalition***

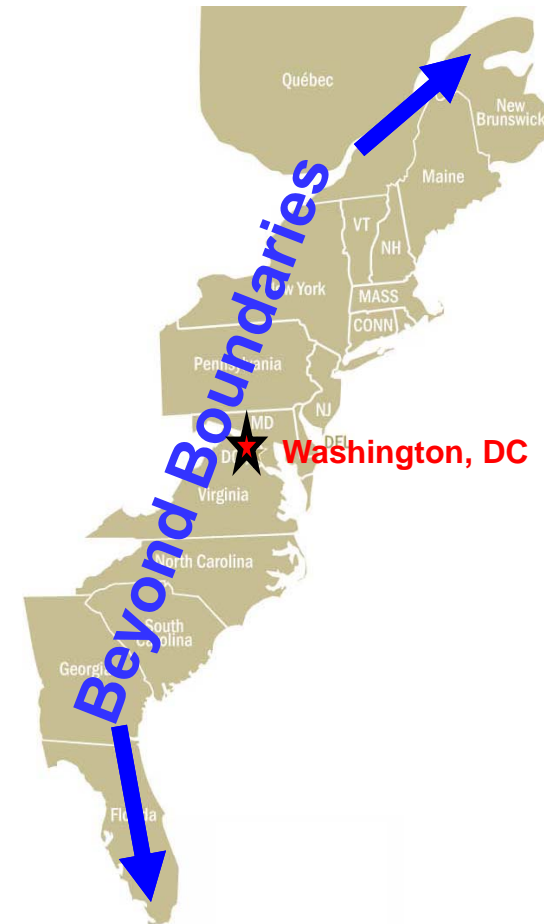
***Regional Freight Forum
April 27, 2011***

www.i95coalition.org



The I-95 Corridor Coalition

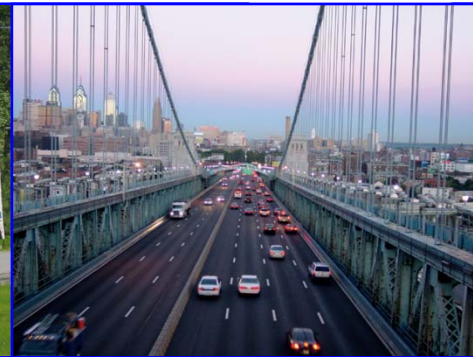
- Multi-
 - Jurisdictional
 - Modal
 - Disciplinary
- 16 States and the District of Columbia
 - \$4.5 trillion economy (40% of US GDP)
 - 21% of nation's road miles;
35% of nation's VMT
 - 5.3 billion tons of freight shipments annually





I-95 Corridor Coalition: **Select I-95 Freight Programs**

- Regional:
 - Rail Studies
 - Truck Bottleneck Studies
- Local (with regional benefit):
 - Off-hour Deliveries





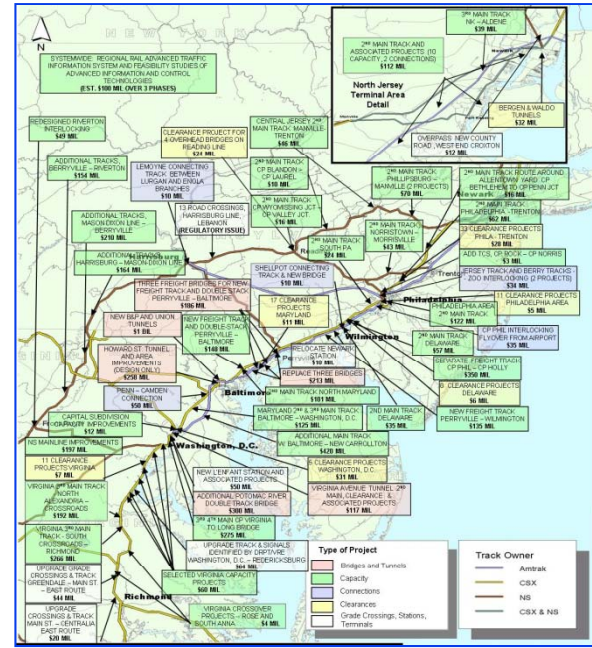
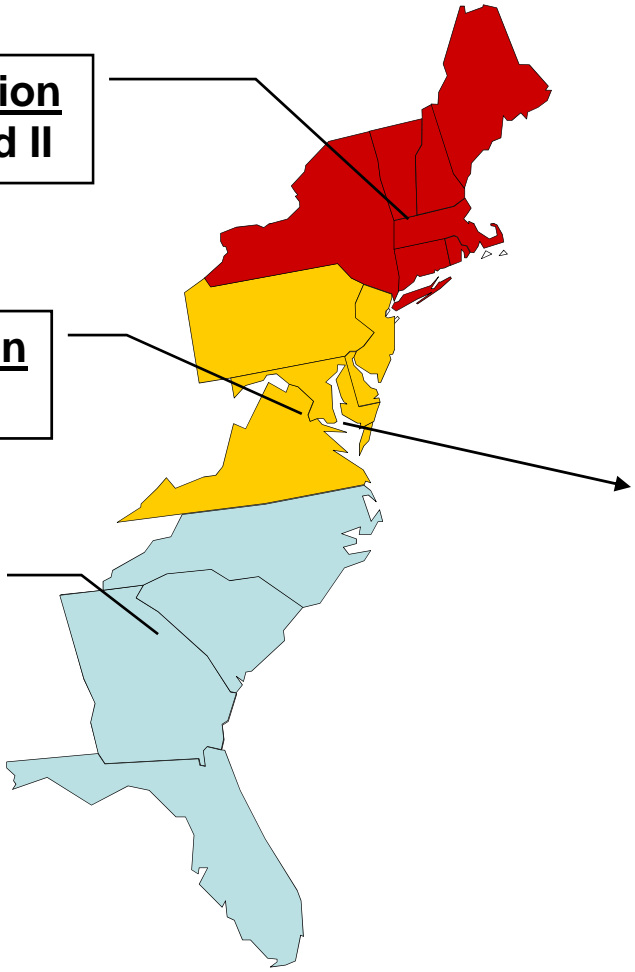
I-95 CORRIDOR COALITION

Regional Rail Operations Studies

Northeast Region
• NEROps I and II

Mid-Atlantic Region
• MAROps I and II

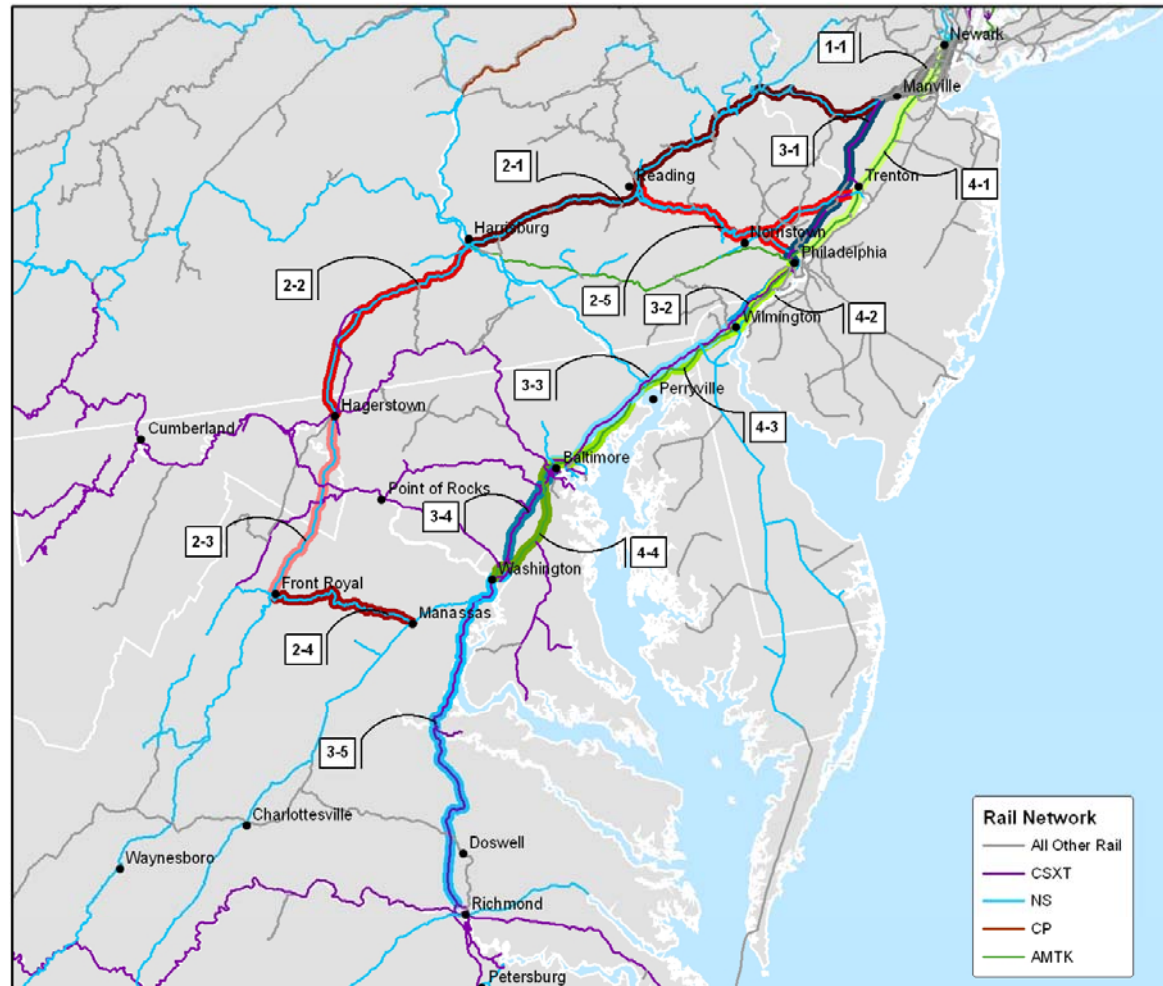
Southeast Region
• SEROps I and II
(Includes VA, plus states outside of the I-95 Coalition: WV, TN, MS, AL, LA)





MAROps II Corridors

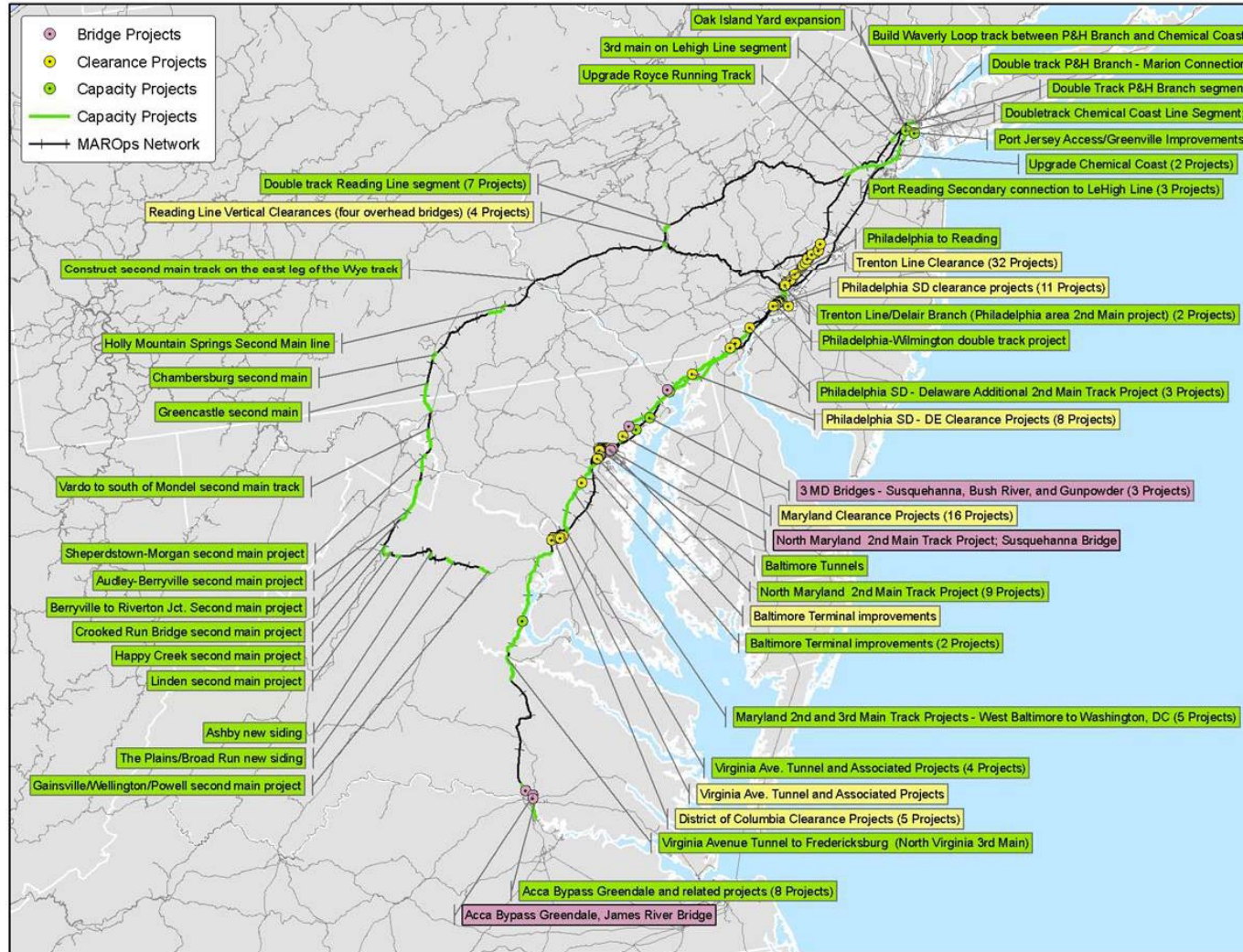
The study analyzed four rail corridors and 15 major line segments





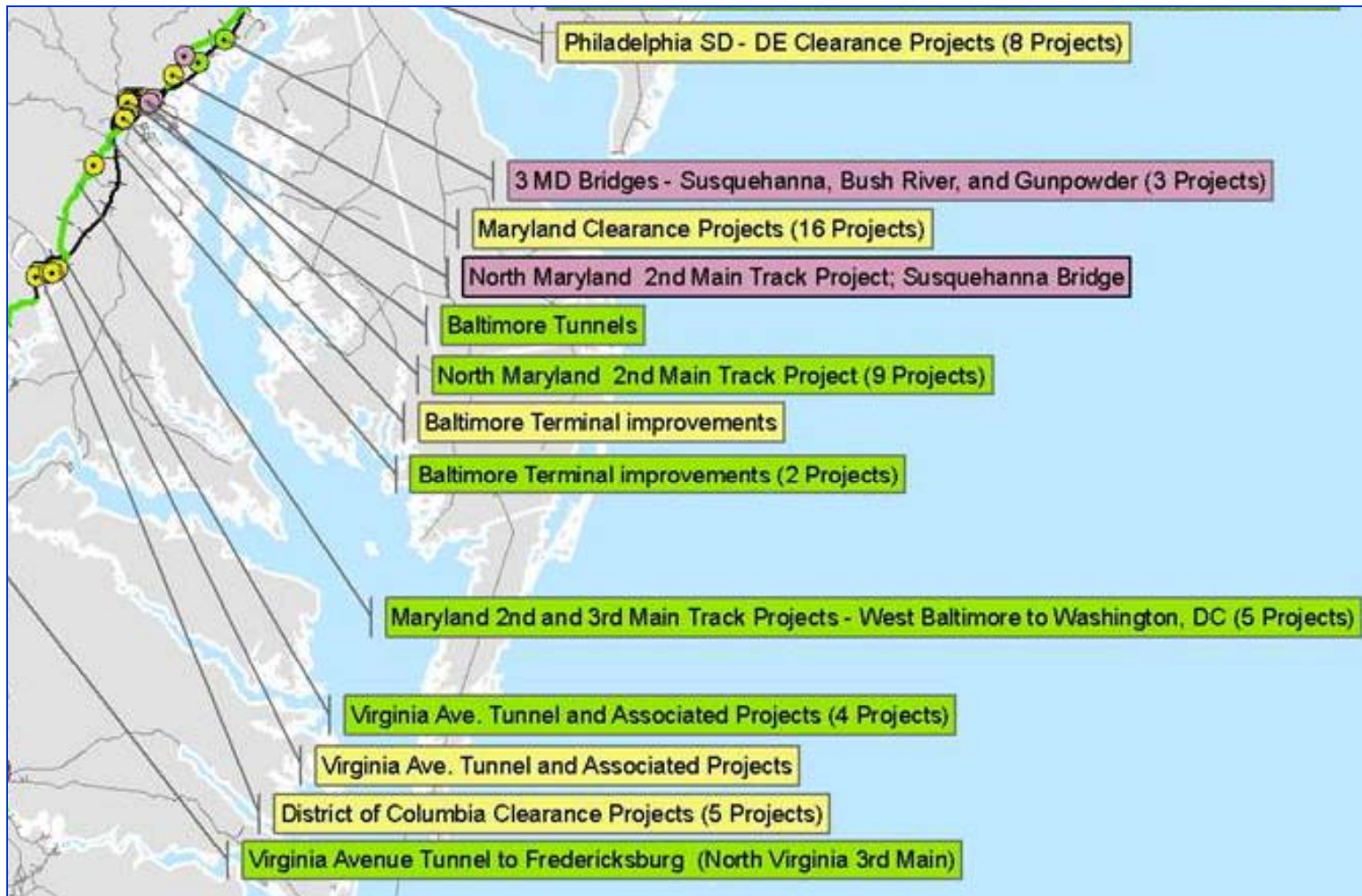
Priority Projects

The study identified a set of priority projects judged to be critical path projects that would yield the highest near-term benefits





Baltimore-Washington Priority Projects

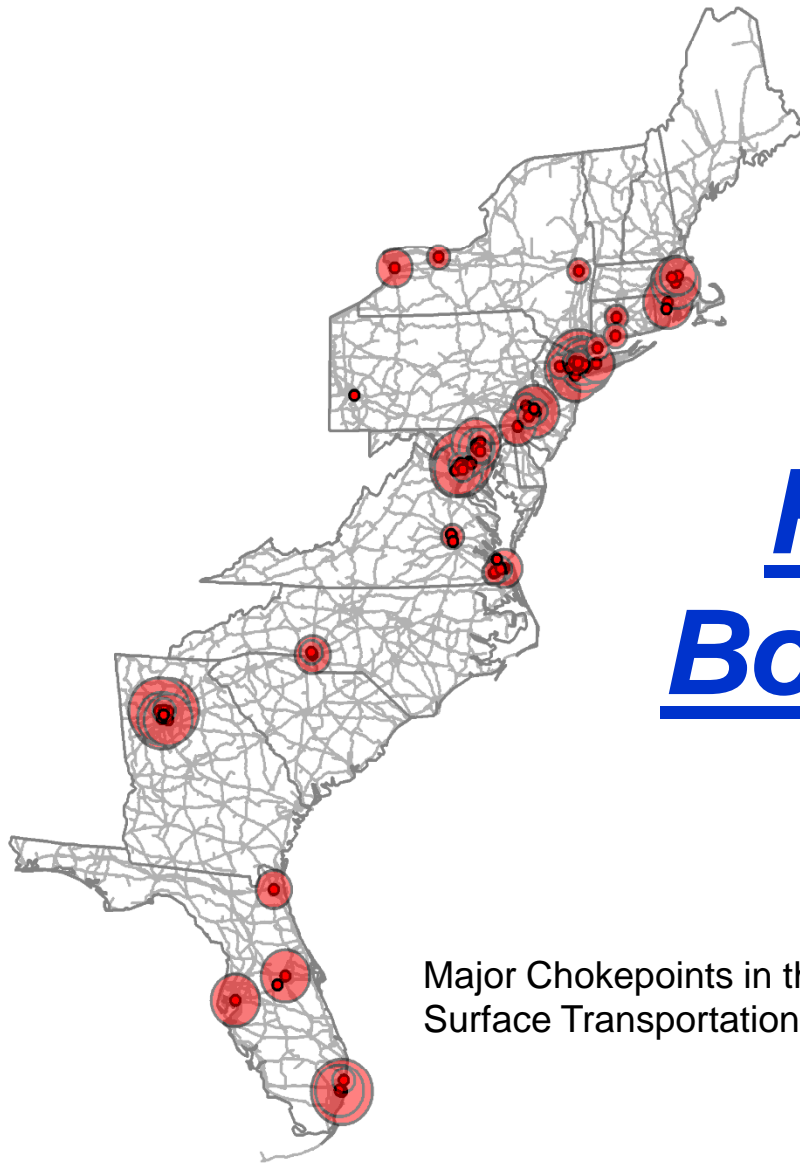




Priority Projects Benefits

The public benefits were estimated as follows for a benefit/cost ratio of ~2.9 for the region and ~5.7 for the metropolitan areas –

State/Region	Business Output (\$ million/ year)	Value Added (\$ million/ year)	Jobs (per year)	Wage Income (\$ million/ year)
Delaware	\$20	\$10	152	\$7
Maryland	\$244	\$133	1,921	\$99
New Jersey	\$162	\$88	1,041	\$59
Pennsylvania	\$190	\$101	1,470	\$70
Virginia	\$191	\$100	1,546	\$73
Total for States	\$808	\$432	6,130	\$309
NY/NJ CMSA	\$320	\$182	2,127	\$124
Philly CMSA	\$219	\$116	1,511	\$80
Balt-Wash CMSA	\$382	\$212	2,947	\$156

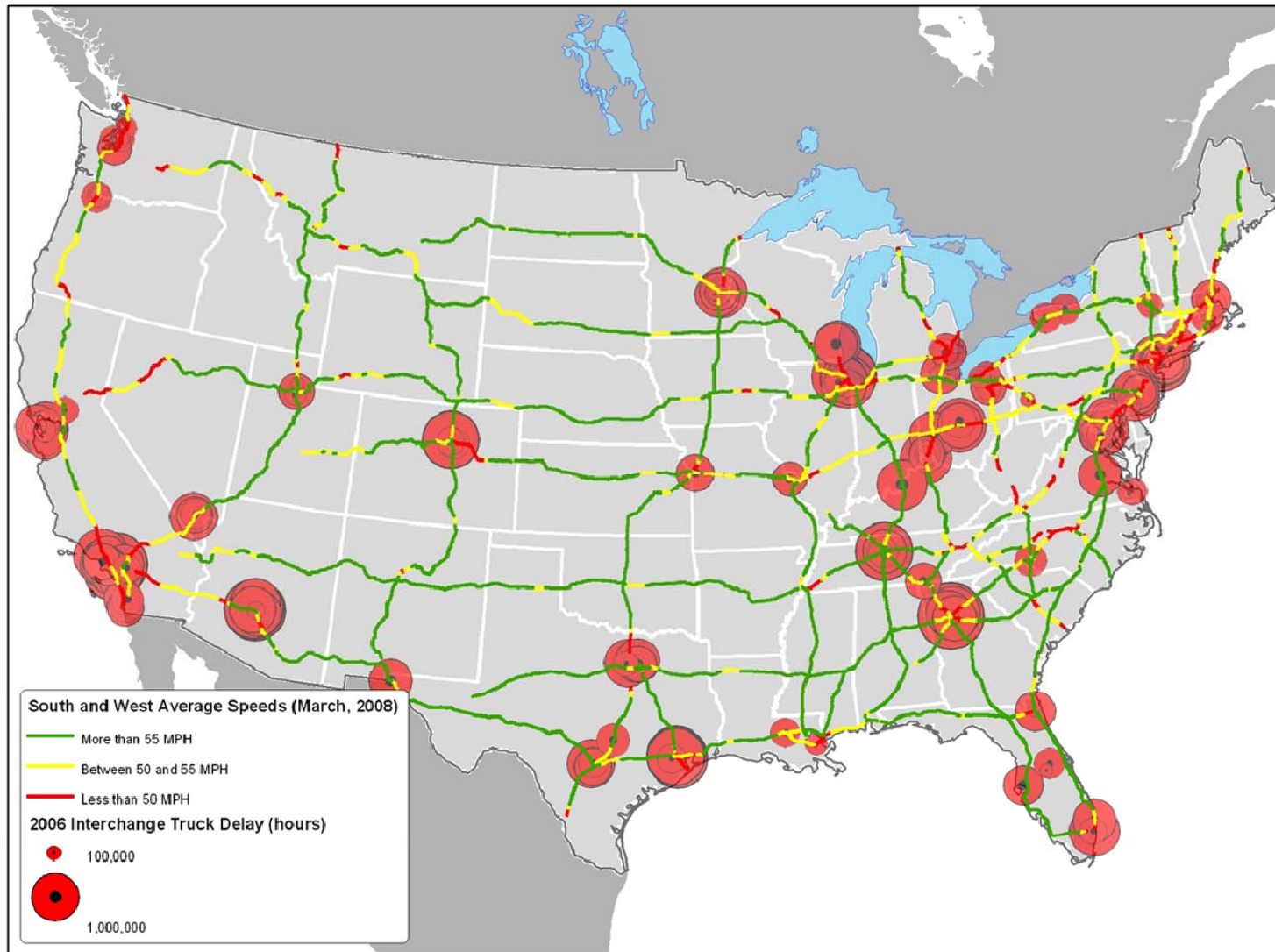


Major Chokepoints in the
Surface Transportation System

Regional Truck Bottleneck Studies



National Truck Bottlenecks





Regional Truck Bottlenecks

Worst 5 in Each State





Off-Hour Deliveries Reduce Congestion





Manhattan Off-Hour Deliveries Pilot

- Receivers provided secure delivery area
 - Financial incentive available for needed facility modifications
- Carriers delivered after hours



Manhattan Off-Hour Delivery Pilot
Map of Participating Receivers



Manhattan Pilot Findings

- Receivers: Virtually all businesses (32 of 33) continued the practice of off-hour deliveries
- Carriers: Delivery time, on average, was reduced from 1.5 hours to 0.5 hours



The Benefits of Off-Hour Deliveries

- Reduced costs and travel time for carriers
- Reduced daytime congestion on city streets
- Better security with less hours of unmanned delivery vehicles
- Reduced pollution and energy consumption

The I-95 Corridor Coalition's Off-Hour Deliveries project will further quantify the public, carrier and receiver benefits to help other cities evaluate and implement delivery programs.