



**I-95 Corridor Coalition  
Policy & Strategic Planning Webcast  
Wednesday, April 14, 2010**

**Minutes & Presentations**

Greg Oliver welcomed all to the webcast, and provided background on the meeting agenda. The primary purpose of this webcast was to provide updates on the following projects and activities. The presenters are noted below, and the presentations are attached.

Project Presentation

New York Mega-Region Planning  
Integrated Corridor Analysis Tool  
Freight Corridors  
VMT-Based Fee Initiative  
Green Corridor  
Toll System Interoperability

Presenter(s)

Yoav Hagler - RPA.  
Lance Grenzeback, Bill Giuffre - CSI  
Lance Grenzeback – CSI  
Mark Muriello – PANYNJ  
George Schoener – I95CC  
JJ Eden, JR Fenske – NC Tpk

**Webcast Participants:**

- ATA – Ted Scott
- Cambridge Systematics – Lance Grenzeback, Bill Giuffre, Shelley Feese
- CONEG – Anne Stubbs
- Delaware DOT – Greg Oliver
- Delaware Valley Reg'l Planning Commission – Charles Dougherty
- Delaware River Port Authority – Karl Ziemer
- Delcan – Rosalyn Wilson
- FHWA – Greg Jones
- Florida DOT – Gene Glotzbach, Richard Glaze
- Georgia DOT – Cindy VanDyke, Michelle Caldwell
- I-95 Corridor Coalition – George Schoener, Bill Stoeckert
- Maine DOT – Gary Williams
- MTA Bridges & Tunnels – Daniel Jacobs
- National Capital Region TPO – Karin Foster
- Nation's Port – David Stein
- New Jersey DOT – Robert Miller
- New Jersey Turnpike Authority – Marilyn Lennon
- New York State DOT – Gary McVoy, Lynn Weiskopf, Victoria VanHoesen, Alan Ward, ? Thompson
- North Carolina DOT – Roberto Canales, ? McMillan
- North Carolina Turnpike Authority – JJ Eden, JR Fenske
- North Jersey TPA – Mary Ameen
- Port Authority of NY & NJ – Mark Muriello, Allison deCerreño, Karen Tobia
- Quebec Ministry of Transportation – Robert Patry
- Regional Plan Association – Yoav Hagler
- South Carolina DOT – Doug Frate
- Telvent – Gary Euler, Patty Reich
- University of Massachusetts – John Collura
- Virginia Dept of Rail & Public Transportation – Jeremy Latimer
- WilMAPCO – Dan Blevins
- Others – Charles Diehl, Sumala?



## **I-95 Corridor Coalition**

### **Policy & Strategic Planning Committee**

**April 14, 2010**

**Note to Webcast Participants:**

*The webcast will begin at 1:00 p.m. Please do not put your telephone on "Hold" (especially if it's a music hold!); muting the phone is appreciated.*

**Telephone connection:**

*1-888-413-5786 and enter 133253# at the prompt.*

**[www.i95coalition.org](http://www.i95coalition.org)**



## **Agenda**

- Regional Initiatives:
  - New York Mega-Region Planning
  - Integrated Corridor Analysis Tool
  - Freight Corridors
  - Multi-State VMT-Based Fee Initiative
  - Green Corridor
  - Toll System Interoperability

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## *New York Mega-Region Planning*

[www.i95coalition.org](http://www.i95coalition.org)

**Regional  
Plan  
Association**  
NY • NJ • CT



**Business Alliance for  
Northeast Mobility:  
High Speed Rail and  
The NEC**

**Yoav Hagler**  
Associate Planner, America 2050  
Regional Plan Association

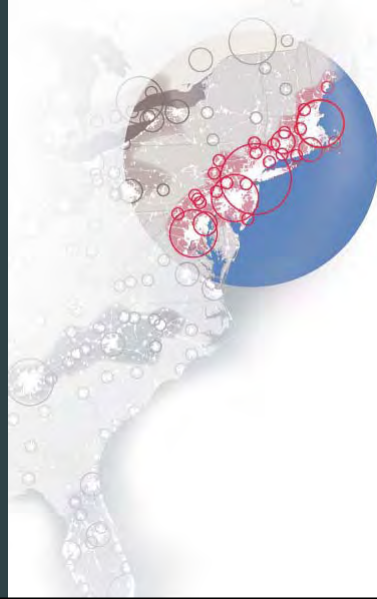
**April 14, 2010**  
**I-95 Corridor Coalition**  
**Webinar**

# Rail: A Vital Economic Stimulant

Northeast Megaregion has a **\$2.4 Trillion Economy**, 20% of the Nation's GDP

**Central business districts**, and research and development clusters around **universities**, are the engines of the economy in the Northeast

**Future economic growth** depends on the ability to move goods and people quickly and reliably between the region's urban centers.



# Business Alliance for Northeast Mobility

- Coalition of chambers of commerce, civic organizations
- Pivotal role in passing PRIIA
- Advocacy for funding for Northeast Corridor
- Pressure stakeholders to expedite PEIS

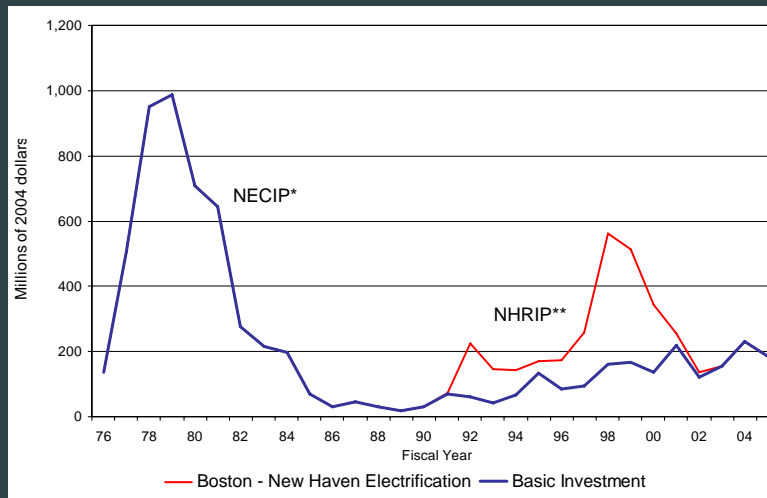


Reception in U.S. Capitol Apr 2008



Union Station Press Conference Oct 2008

## Federal Investment in NEC



\*NECIP – Northeast Corridor Improvement Program

\*\*NHRIP – Northeast Corridor High Speed Rail Improvement Program

## Current Rail Times and Speed

From New York – Penn Station

City	Miles	Time	Average Speed (MPH)
Baltimore	185	2:10	86
Boston	231	3:30	67
Philadelphia	91	1:10	81
Providence	188	2:50	66
Washington	225	2:50	81
Richmond	334	6:00	56

# NEC Master Plan

**Two + Year Process**

**Multiple Stakeholder Process led by Amtrak**

**Recommendations for SOGR and modest capacity and trip time improvements**



# NEC Master Plan - Cost

## NEC Infrastructure Capital Needs, 2010-2030 (\$ Millions)

Cost Category	Total (M\$'s)
<b>Growth</b>	<b>32,319</b>
<b>SOGR Backlog</b>	<b>7,944</b>
Amtrak owned	4,744
Connecticut owned	3,200
<b>Subtotal</b>	<b>40,263</b>
<b>Normalized Replacement</b>	
Amtrak owned	7,211
Connecticut owned	1,000
New York owned	924
CSXT owned	N/A
<b>Subtotal</b>	<b>9,135</b>
<b>Total</b>	<b>\$49,398</b>

Source: The Northeast Corridor Infrastructure Master Plan, October 2009

## Vision for True HSR on NEC

**Two Dedicated  
High-Speed Tracks**

**Dramatically  
increased capacity  
and reduced  
trip times**



## Current BANM Focus

**NEC Infrastructure Advisory Commission**

**FRA Solicitation for Multi-State Rail Corridors**

**FY11 Appropriations**

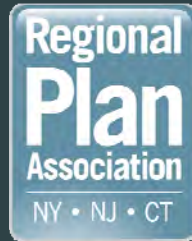
- **HSIPR Program**
- **Amtrak**

**Climate Bill**





[www.America2050.org](http://www.America2050.org)



[www.rpa.org](http://www.rpa.org)



***Integrated Corridor Analysis Tool  
(ICAT)***

[www.i95coalition.org](http://www.i95coalition.org)



## ***What is ICAT?***

### **Integrated Corridor Analysis Tool (ICAT)**

- GIS-based system of transportation networks and data for the Coalition Region
  - Display current transportation infrastructure and travel patterns across states
  - Analyze trends and forecast the impacts of future travel volumes
- Enable Coalition members to coordinate multi-state transportation planning, investment and operations.



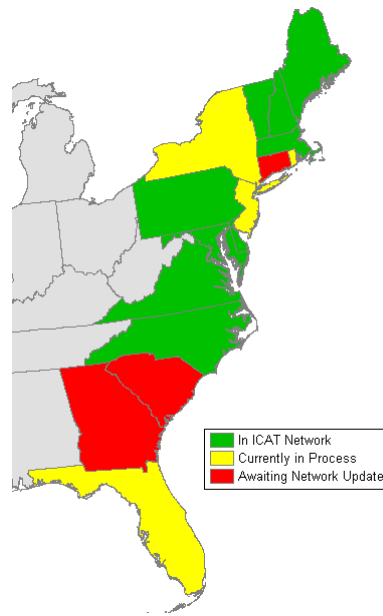
## ***ICAT Components***

1. ICAT Networks and Data
  - Highway Network (**in progress**)
  - Rail Network (**completed**)
  - Vehicle Trip Tables (**completed**)
2. ICAT Services
  - WebCAT (**operational**)
  - DataCAT (**operational**)
3. Applications



## Status of State Highway Networks

- 10 States currently in ICAT hybrid network
- 4 States currently being processed
- 3 States are updating their highway networks




## ICAT Services

### 1. WebCAT

- Unrestricted public web-based GIS viewer
- Allows display and queries of ICAT data
- Posting of thematic maps

### 2. DataCAT

- Ftp site for downloading ICAT databases



# I-95 CORRIDOR COALITION WebCAT

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**Welcome to the I-95 Corridor Coalition WebCAT Web Site**

The I-95 Corridor Coalition has sponsored development of the **Integrated Corridor Analysis Tool (ICAT)** to assist Coalition members in conducting multistate transportation planning and operations studies. ICAT is a web-based geographic information system (GIS) that enables users to visualize current transportation infrastructure and traffic patterns, and to project future travel volumes across multiple states within the Coalition region. ICAT is not a replacement for more detailed state and local data models or analysis tools. It is intended to supplement local analysis capabilities with objective and consistent information on transportation conditions and performance in neighboring jurisdictions.

ICAT helps member agencies look beyond their own jurisdictional boundaries to facilitate decision-making with respect to public investments in the region's transportation system. Issues such as regional transportation growth, locations of regional transportation bottlenecks, coordination of multistate evacuation plans, and the impacts of regional transportation investments can now be more thoroughly evaluated through the use of ICAT data and web-based GIS.

WebCAT is an interactive web-based service providing on-line access to maps of transportation conditions in the Coalition region. This service is available to Coalition members and the general public on an unrestricted basis, requiring only a web browser and Internet access. Simple navigation tools allow users to locate and zoom-in to a geographic area of interest and to create maps showing various transportation features and themes. Users can also display information about a specific feature and can print or save an electronic copy of any map they create. First-time users and those who are unfamiliar with using interactive map displays are encouraged to read the [WebCAT User Guide](#), which explains each of the navigation tools available in WebCAT.

Most of the geo-spatial data displayed in WebCAT can also be downloaded from the Coalition's companion [DataCAT](#) site. Current data include the ICAT highway and rail networks, ICAT analysis zones and origin-destination trip tables, and individual state road networks from which the ICAT highway network was derived. These databases are designed to support knowledgeable users conducting analyses using their own computers and GIS application software.

To enter the WebCAT site, please read and agree to the following Terms and Conditions.

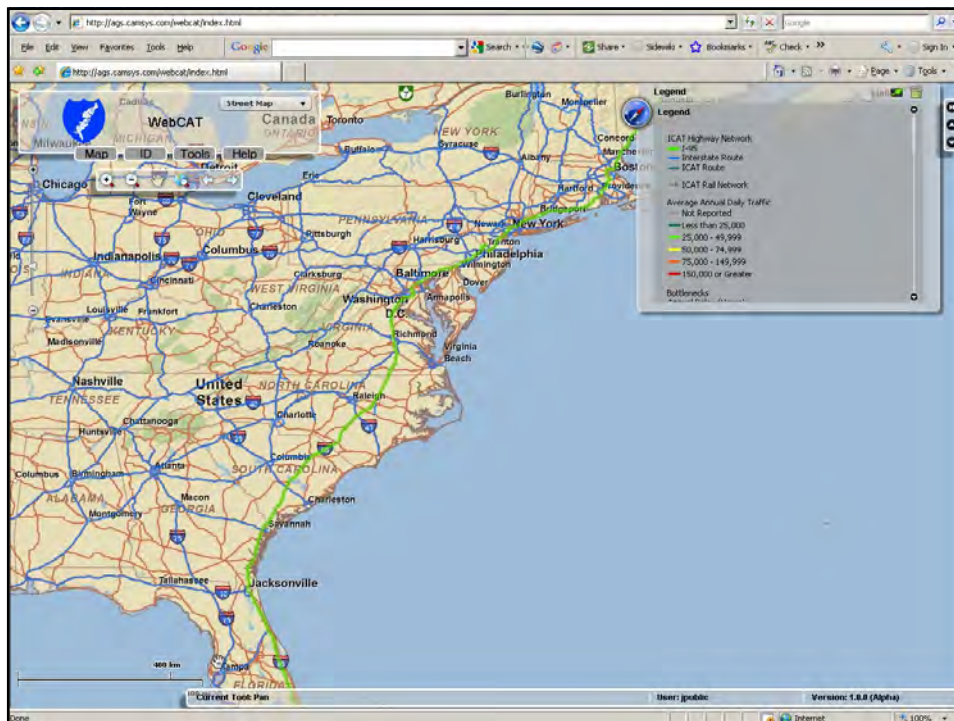
**Terms and Conditions**

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I-95 CORRIDOR COALITION

# DataCAT

## Welcome to the I-95 Corridor Coalition DataCAT Web Site

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ICAT helps member agencies look beyond their own jurisdictional boundaries to facilitate decision-making with respect to public investments in the region's transportation system. Issues such as regional transportation growth, locations of regional transportation bottlenecks, coordination of multistate evacuation plans, and the impacts of regional transportation investments can now be more thoroughly evaluated through the use of ICAT data and web-based GIS.

DataCAT is a repository and download site for the geographic databases and other data files that comprise ICAT. Current data include the ICAT highway and rail networks, ICAT analysis zones and origin-destination trip tables, individual state road networks from which the ICAT highway network was derived, and copies of relevant national databases such as NHPN, NSI, and FARS. Specific Coalition project databases also will be made available as they become authorized for public release. Downloads require only a web browser and Internet connection, but the databases are designed for knowledgeable users capable of conducting analyses using their own computers and GIS application software.

To enter the DataCAT download site, please read and agree to the following Terms and Conditions for use of ICAT data.

### Terms and Conditions

1. Data retrieved from DataCAT is freely available for use by Coalition members and the general public.
2. DataCAT databases are provided "as is" without any warranty, expressed or implied, regarding its accuracy, performance, merchantability, or fitness for a particular purpose. Neither the I-95 Corridor Coalition, its contractors, nor the Federal, state, or local agencies that contributed source material (collectively "Contributors") assume any liability for any use of the data accessed through DataCAT.

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## FHWA Corridor Performance Measure Study

- Project approach:
  - Compile bridge and pavement data collected for three states (DE, MD, VA)
  - Examine the comparability of performance measures across states
  - Provide recommendations for improving comparability of performance measures

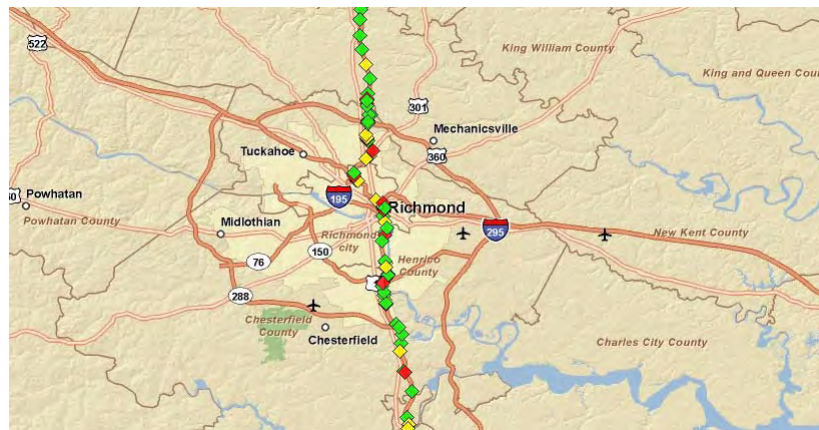


## **FHWA Corridor Performance Measure Study**

- Project results:
  - A report has been prepared that documents the analysis and provides recommendations,
    - Expand NBI to include element data so that FHWA can compute bridge health index
    - Develop national algorithms for pavement condition based on HPMS 2010 data
    - Conduct tests to turn pavement condition values into measure of structural adequacy
  - Thematic maps showing performance measures have been added to WebCAT and DataCAT



## **FHWA Corridor Study Bridge SD/FO**





## FHWA Corridor Study Bridge Size/SR vs AADT



## FHWA Corridor Study CCI vs OPC in Virginia





## ***FHWA Corridor Study IRI G/F/P (MD vs VA)***



## ***Multimodal Freight Corridors Program 3 Year Plan***

[www.i95coalition.org](http://www.i95coalition.org)

## Objectives

- **Support the Coalition’s goal to facilitate improved freight movement through innovative approaches that mitigate identified issues affecting transportation systems throughput, efficiency, and safety**
- **Anticipate a national emphasis on improving freight transportation and builds on prior Coalition work to create regional freight corridor programs that will inform state, carrier, port, and national planning and decision making**
  - See House T&I Committee's Draft Reauthorization Bill, Section 1105

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## Work Elements

- 1. Update of projected freight demand and flows—**
  - Corridor-wide population, economic development, trade and land use trends,
  - Major freight corridors and nodes
- 2. Development of information and analysis tools to support state and national planning and decision making—**
  - Supply chain patterns,
  - Corridor-level freight transportation performance (capacity, reliability...),
  - Solutions “toolbox,” and
  - Programming and prioritization methods (benefit-cost analysis)

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## Work Elements *(continued)*

### 3. Analysis of freight transportation system issues and opportunities

- Highway/truck (e.g., NETOps, MATOps, SETOps)
- Rail (e.g., NEROps, MAROps, SEROps), and
- Waterborne/coastal shipping (SSS, Ports)

### 4. Development of regional freight corridor programs—

- Northeast region,
- Mid-Atlantic region, and
- Southeast region

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## Phasing

- **Year 18 *(funded)***
  - Update Coalition freight profile
  - Start Mid-Atlantic pilot program
  - Begin building tools
  - Advance NEROps and SEROps
- **Year 19**
  - Advance Mid-Atlantic program
  - Develop supply chain profiles, freight solutions “toolbox,” and B/C guidelines
  - Advance NETOps and SETOps
- **Year 20**
  - Finalize the Mid-Atlantic program
  - Draft Northeast program
  - Draft Southeast program
- **Year 21**
  - Finalize Northeast program
  - Finalize Southeast program

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## Multimodal Freight Corridors Program Coalition Region Projects

Region	Coalition Program Year Federal Fiscal Year	Funded Activities			3-Year Plan		
		Prior Years thru Sep 2009 thru FY'08	Year 17 Oct 2009 – Sep 2010 FY'09	Year 18 Oct 2010 – Sep 2011 FY'10	Year 19 Oct 2011 – Sep 2012 FY'11	Year 20 Oct 2012 – Sep 2013 FY'12	Year 21 Oct 2013 – Sep 2014 FY'13
Coalition Region	Freight System Networks and Corridors	ICAT Freight Networks	ICAT Maintenance	Freight Corridors** Overview/Update \$250,000		Freight Corridors Overview/Update	
	Industries/Supply Chains/Freight Flows	Regional Bottlenecks Scan			Industries/Supply Chains Profiles		
	Performance	Highway System Performance Measures		Freight Performance Measures** Data/Trends			
	Solutions Toolbox			Freight Resiliency Routing Information Strategies	Freight Solutions Toolbox Best Practices		
	Programming and Prioritization			Benefits Assessment Phase I** ("TIGER-compatible" B/C templates)	Benefits Assessment Phase II		



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## Multimodal Freight Corridors Program Northeast Region Projects

Region	Coalition Program Year Federal Fiscal Year	Funded Activities			3-Year Plan		
		Prior Years thru Sep 2009 thru FY'08	Year 17 Oct 2009 – Sep 2010 FY'09	Year 18 Oct 2010 – Sep 2011 FY'10	Year 19 Oct 2011 – Sep 2012 FY'11	Year 20 Oct 2012 – Sep 2013 FY'12	Year 21 Oct 2013 – Sep 2014 FY'13
Northeast Region	Truck Freight System				NETOps Highway Program		
	Rail Freight System	NEROps II Projects Inventory			NEROps III Rail Program		
	Marine Freight System	Short Sea/Coastal Issues		Marine Highway Corridors and Port Strategic Plans			Northeast Freight Corridors Program & Projects



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## Multimodal Freight Corridors Program Mid-Atlantic Region Projects

Region	Coalition Program Year	Federal Fiscal Year	Funded Activities			3-Year Plan		
			Prior Years thru Sep 2009 thru FY'08	Year 17 Oct 2009 – Sep 2010 FY'09	Year 18 Oct 2010 – Sep 2011 FY'10	Year 19 Oct 2011 – Sep 2012 FY'11	Year 20 Oct 2012 – Sep 2013 FY'12	Year 21 Oct 2013 – Sep 2014 FY'13
Mid-Atlantic Region	Truck Freight System		MATOps I Truck Bottlenecks	MATOps II Highway Program	Mid-Atlantic Freight Corridors Pilot Phase I**	Mid-Atlantic Freight Corridors Pilot Phase II	Mid-Atlantic Freight Corridors Program & Projects	
	Rail Freight System		MAROps I & II Rail Program					
	Marine Freight System		Short Sea/Coastal Issues	Marine Highway Corridors and Port Strategic Plans				

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## Multimodal Freight Corridors Program Southeast Region Projects

Region	Coalition Program Year	Federal Fiscal Year	Funded Activities			3-Year Plan		
			Prior Years thru Sep 2009 thru FY'08	Year 17 Oct 2009 – Sep 2010 FY'09	Year 18 Oct 2010 – Sep 2011 FY'10	Year 19 Oct 2011 – Sep 2012 FY'11	Year 20 Oct 2012 – Sep 2013 FY'12	Year 21 Oct 2013 – Sep 2014 FY'13
Southeast Region	Truck Freight System				SETOps I Bottlenecks/ Projects Inventory	SETOps II Highway Program	Southeast Freight Corridors Program & Projects	
	Rail Freight System		SEROps II Rail Issues/ Corridors	SEROps III Rail Program				
	Marine Freight System		Short Sea/Coastal Issues	Marine Highway Corridors and Port Strategic Plans				

\*\* Work to be funded through Year 18 Freight Corridors project.

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## ***VMT-Based Fees: Administrative, Institutional and Legal Issues***

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U.S. Department of Transportation  
Federal Highway Administration  
Federal Transit Administration



National Cooperative  
Highway Research  
Program



American Association of  
State Highway and  
Transportation Officials



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## **International Scan: Reducing Congestion and Funding Transportation Using Variable Road Pricing**

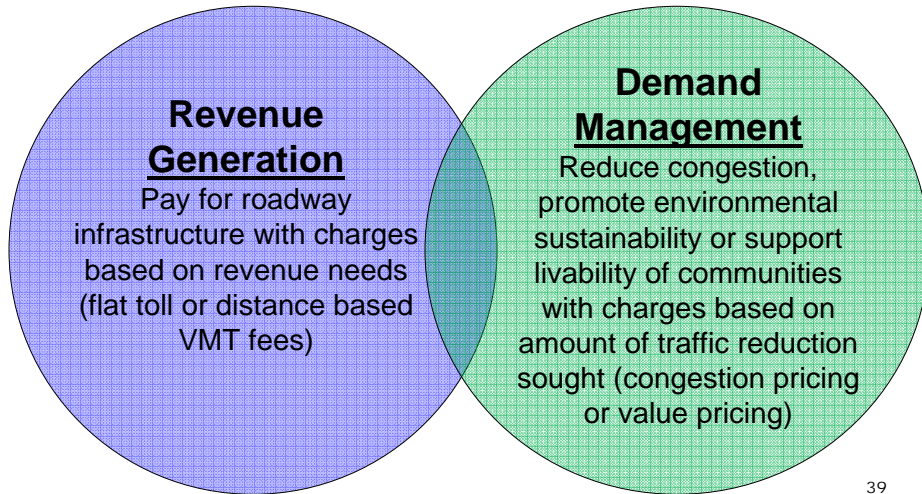
Sponsored by:

American Association of State Highway and Transportation Officials  
Federal Highway Administration  
Federal Transit Administration  
National Cooperative Highway Research Program

For more information contact:

Mark F. Muriello  
[mmuriello@panynj.gov](mailto:mmuriello@panynj.gov)  
212-425-4836

## Objectives of Road Pricing



## Purpose of the Scan

“Identify new ideas and workable models for integrating variable road pricing approaches into state, local and regional policies, programs, and practices.”



U.S. Department of Transportation  
Federal Highway Administration  
Federal Transit Administration

National Cooperative  
Highway Research  
Program

American Association of  
State Highway and  
Transportation Officials

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## Scan Team Participants

WSDOT

Mn/DOT

PANYNJ  
FHWA  
FTA  
VDOT

GA DOT

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U.S. Department of Transportation  
Federal Highway Administration  
Federal Transit Administration

National Cooperative  
Highway Research  
Program

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## Scan Sites

***Demand Management***

- Stockholm
- London
- Singapore

***Revenue Generation***

- Germany
- Czech Republic

***Revenue Generation/ Demand Mgmt.***

- Netherlands



## German Truck Charging

- Purpose
  - Revenue Generation (primary)
  - Reduce emissions, mode shift to rail and water (secondary)
- Description
  - GPS based with DSRC interrogation and license plate reader enforcement
  - Fee based on distance, vehicle type and emissions class
  - 35% are foreign trucks
- Key milestones
  - System opens (January 2005)
- Results
  - Violations < 2%
  - Empty truck trips declined by 7%
  - 58% shift from dirtier (Euro class 1,2,3) to cleaner trucks (euro class 4,5)
  - Revenues of \$5 billion in 2008 (split 50% roads, 38% rail, 12% waterways)
- Ministry of Transport (Managing Authority)



## Czech Truck Charging

- Purpose
  - Revenue Generation (primary)
- Description
  - Transponder/DSRC based with license plate reader enforcement
  - Fee based on distance, vehicle type and emissions class
  - 40% are foreign trucks
  - Special law prohibiting truck operations on Sundays and peak times on Friday evening and Saturday morning
- Key milestones
  - System opens, all trucks 12,000 kg or more pay (Jan 2007)
  - Expansion to include trucks 3,500 kg or more (Jan 2010)
- Results
  - Average toll rate of \$0.35 per mile on freeways
  - Revenues of \$350 million in 2008
- Ministry of Transport (Managing Authority)



## Netherlands Distance-Based Charge



- Purpose
  - Reduce Congestion, Generate Revenue to replace fixed taxes, shift to “User Pays” Principle (primary)
  - Promote Transit and Reduce Emissions (secondary)
- Description
  - Shifting from purchase and ownership tax to a distance-base fee structure
  - GPS based with DSRC interrogation and license plate reader enforcement
  - Fee based on distance, vehicle type, emissions class and time of day
- Key milestones
  - All trucks (2012)
  - All vehicles (2018)
- Forecasted Results (2020)
  - 10%-15% reduction in VKT
  - 10% reduction in CO2 emissions
  - 6% increase in usage of public transit
  - Revenue neutral (offset by reduction in other transportation taxes)
- Ministry of Transport (Managing Authority)

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## The Fundamentals of the Dutch System

- Charge every kilometer driven within the Netherlands
- Ensure privacy, but also public perception of privacy
- Include foreign heavy goods vehicles
- Advance the potential for peak-period pricing
- Align with (future) European standards
- Include adequate security and enforcement measures
- Involve private parties where possible
  - Market designs and implementation
  - Vehicle owners purchase approved equipment on the open market, with government involvement in pilots and tests
  - Garages are approved to install on-board equipment

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## ***VMT-Based Fees: Administrative, Institutional and Legal Issues***

### ***I-95 Corridor Coalition Project***

[www.i95coalition.org](http://www.i95coalition.org)



## ***Project Background***

- VMT user fee revenue collection system identified as a key Coalition opportunity in its 2040 Strategic Vision
- Direction from Executive Board to explore suitable role for the Coalition
- May, 2009 Brainstorming Session
- Summer/Fall of 2009 – Decision to focus on administrative, institutional and legal aspects and scope of work preparation

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## ***Project Scope/Objectives***

- Build consensus on functions to be included in a multi-state VMT-based fee system (e.g., congestion pricing and tolls)
- Define the requirements for administering a multi-state collection/distribution system
- Estimate the administration and enforcement costs of a multi-state system
- Explore institutional options for governing and administering the system
- Identify significant potential legal barriers and a develop a strategy for addressing them

[www.i95coalition.org](http://www.i95coalition.org)



## ***Outreach/Coordination***

- Member Advisory Committee
  - Guiding current work effort
  - Three meetings held and another planned for May 12
- Use of information from previous and ongoing efforts sponsored by others
  - Work sponsored by NCHRP, TRB, FHWA, Texas DOT, Oregon DOT and others
  - Information gathered from international scan
- Discussions with a variety of experts
  - IFTA, IRP, DMVs, member agency legal staff, etc.

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## ***Work Accomplished to Date***

- Initial Task Memorandum
  - System functionality, administrative requirements, institutional options, criteria for assessing choices, and potential legal issues
- Interviews
  - Information gathering from the experience of those involved with IFTA, IRP, state registration, E-ZPass
- Identification of cost drivers and cost data research
  - Issues that most affect cost, e.g., need for time/location based pricing, frequency and payment methods, etc.
- Legal survey
  - Cross section of member agency legal experts to identify most significant issues (e.g., state laws re disposition of gas tax revenues, sharing of registration information, etc.)

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## ***Next Steps***

- Collection and analysis of cost information
- Description and analysis of alternative institutional arrangements
- Identification of most significant legal barriers and development of a strategy for addressing them
- High level definition of what would be demonstrated/evaluated in a multi-state trial

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## *Green Corridor*

[www.i95coalition.org](http://www.i95coalition.org)



## *Green Corridor*

- I-95 Green Corridor Working Group
  - ➔ Chair – Gary McVoy, New York State DOT
  - ➔ First Meeting – April 13
  - ➔ Provide input and direction with respect to identifying activities to support advancement of the I-95 Green Corridor

[www.i95coalition.org](http://www.i95coalition.org)



## ***Green Corridor (cont'd)***

- Initial Program Components:
  - ➔ Facilitate education and awareness of sustainability programs
  - ➔ Identify sustainability practices & players
  - ➔ Serve as a test bed for technologies
  - ➔ Identify funding options & opportunities

[www.i95coalition.org](http://www.i95coalition.org)



## ***Toll System Interoperability***

[www.i95coalition.org](http://www.i95coalition.org)



# Driving National Toll Interoperability

*I-95 Corridor Coalition – April 14, 2010*

[www.tollinterop.org](http://www.tollinterop.org)

## About ATI

- **Incorporated as Non-profit Association in 2008:**

- **Members:**

- Approximately 40 participating toll agencies, representing 24 states and three countries
- Experienced toll operations professionals
- Vendors & consultants not permitted to join



## About ATI

### *ATI Current Approach...*

- **Mission: Improve ability of toll agencies to identify vehicles traveling on toll facilities**
  - Allow customers the seamless use of toll facilities across state lines
  - Maximize state toll revenues and reduce toll collection and operations costs to States and agencies
  - Free up tax dollars to further other transportation initiatives
- **Objectives:**
  - Expand North American toll interoperability
  - Find practical short-term solutions, fast implementation, utilizing existing systems where possible
  - Improve service and minimize expense



## About ATI

### *ATI Current Approach...*

- **Practical solutions:**
  - Focus on data exchange through standard business rules, *not new technology*
  - Interface with various technologies in use today
  - Employ proven approaches
    - IAG/E-ZPass
    - Texas (TxTag)
    - Florida (SunPass)



Committee Lead\*



**INITIATIVES OVERVIEW**

**IAG/Florida Pilot Program**

Project Contacts: Orlando Torres\*, PJ Wilkins\*, Steve Andriuk, Marty Stone, Mark Muriello, Jim Crawford, Phil Miller

Project Overview: Utilize existing video along the I-95 Corridor to capture all in-state and out-of-state plates in an effort to determine the approximate number of shared customers/violators. The first phase of testing will be completed by the 1st quarter of 2010.

Time frame: Expect to be collecting tolls by 2nd Quarter of 2010.

**Phase 2 - Business Rules Development**

Project Contacts: Marty Stone\*, Grady Rankin\*, PJ Wilkins, Clayton Howe, Orlando Torres, Steve Andriuk, Stan Ciszewski, Phil Miller, Joe Ely

Project Overview: Plan, develop and refine a set of standard business rules between members for capturing, reading and processing license plate images through a unified HUB. RFI released to bank, cellular & toll industry leaders in October 2009.

Time frame: Expected to be complete by 2nd Quarter 2011.

**Texas/Oklahoma Pilot**

Project Contacts: David Machamer\*, Clayton Howe\*

Project Overview: Establish interoperability between NTA and OTA utilizing license plate data exchange. Discussions are ongoing between NTA and OTA to establish protocol for exchanging plate and driver information.

Time frame: Expected to be complete by 1st Quarter 2010.

**Federal Legislation/Education Program**

Project Contacts: David Kristick\*, David Machamer\*, Neil Gray

Project Overview: Work with other organizations to educate and inform political entities on opportunities for tolling interoperability between states/agencies, as well as potential national opportunities for VMT, EVR, etc. utilizing current and future toll technology.

Produce and promote model legislation in NC for interstate toll collection enforcement. (You enforce mine, I'll enforce yours)

**AAMVA/Electronic Vehicle Registration (EVR)**

Project Contacts: JJ Eden\*, David Kristick\*, Neil Shuster, Megan Garner

Project Overview: Establish a working relationship with AAMVA geared toward the potential of creating EVR standards, as well as address issues surrounding license plate readability.

Also addressing potential access to national DMV database.

**Other Opportunities: OmniAir, GPS/Cellular Tolling, and EVR**

Project Contacts: John Breedlove\*, Steve Andriuk\*, Marty Stone, David Machamer, Korey Barrette, Megan Garner, Phil Miller, Joe Ely

Project Overview: Research alternative opportunities for interoperable toll collection to include GPS/Satellite based tolling (potential test beginning 2010), alternative license plate recognition (testing 1st quarter 2010, potential \$69.97)

Overall Initiative Coordinator: J.R. Fenske jr.fenske@tollinterop.org / (919) 510-4373

# Goals & Concepts

***ATI Initiatives...***

- 1. Identify central data processing facilities and processes**
  - Leverage systems that already exist:
    - Cell phone billing
    - Credit card processing
    - Check processing

*Companies have sophisticated security systems for guaranteed customer privacy and have been conducting business this way for years!*



## Goals & Concepts

### *ATI Initiatives...*

2. Develop “Business Rules” to guide operation of interoperable toll systems
3. Develop model contracts and state legislation to implement interoperability
4. Mitigate potential patent infringement issues with current toll technology
5. Identify and provide contract vehicle to partner(s) to process data and transfer funds among agencies
6. Information sharing and open communication



## Pilot Programs

### *Progress to Date:*

- **Field tests underway**
  - Florida Pilot Program with select IAG members
  - Texas/Oklahoma Pilot Program
  - Product Demo:
    - GPS/Satellite Tolling
    - Camera Technology & License Plate / Vehicle Recognition (video shootouts)

**No significant technical hurdles identified to date**



## Information Exchange

### *Progress to Date:*

- **Adopted Business Rules in June 2008**
- **Released Request for Information in 2009**
  - Proved strong level of interest in data processing and funds transferring (Phase 2)
  - Expected respondents include banks, processing companies, cellular companies, toll integrators, etc.
  - Six responses received 12/21/09
  - Oral presentations held 2/24-25/2010
- **Expect to release Request for Proposals in May 2010**



## Building Alliances

### *Progress to Date:*

- **Investigating legislative needs for toll enforcement across state lines**
  - Currently, no legislation in place
  - Interest is strong among states / agencies
  - Vital for future success of AET programs and transportation initiatives



## Building Alliances

### *Progress to Date:*

- **Keeping lines of communication open**
  - Facilitating talks with multi-State organizations to secure access to motor vehicle records (AAMVA)
    - Current, accurate MVA records will be a pertinent piece to the puzzle
  - Collaborating with other organizations (I-95CC, FHWA, IAG, IBTTA, OmniAir, ATA, etc.)
    - Coordinating needs of other organizations as we plan for the future



**Thank you!**

**Alliance for Toll Interoperability**

[www.tollinterop.org](http://www.tollinterop.org)

**JJ Eden**

*Chairman*

**JR Fenske**

*Director of Memberships & Programs*





***Thank You!***

[www.i95coalition.org](http://www.i95coalition.org)