



I-95 Corridor Coalition **Steering Committee Webcast** *May 19, 2009*



Note to Webcast Participants:

*The webcast will begin at 9:00 a.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.*



Agenda

- Authorization
- Strategic Direction for Year 18 (FY 10)
- Update on Select Projects
- Executive Board Meeting – June 2



I-95 CORRIDOR
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Authorization

www.i95coalition.org



Coalition Objectives

- Secure Funding for the Coalition
- Promote Authorization Positions
 - ➔ Facilitate multi-state partnerships/coalitions to improve transportation system performance and reliability.
 - ➔ Fund large-scale improvements along nationally significant corridors where the costs of the improvements are too great for any single entity to fund and where benefits will accrue to the entire region or nation.



Funding History

- **ISTEA**

- ➔ Research - Intelligent Vehicle Highway Systems Act: Sec. 6056. Applications of Technology
- ➔ Funded through annual appropriations (FY 93-98):
 - ◆ \$511,000 - \$1,000,000 - \$7,500,000 - \$3,500,000 - \$0 - \$1,000,000

- **TEA-21**

- ➔ Research: SEC. 5208. Intelligent Transportation System Integration Program
- ➔ \$5,000,000 per year

- **SAFETEA-LU**

- ➔ Research, Technology & Education: SEC. 5211. Multi-state Corridor Operations and Management
- ➔ \$7,000,000 per year



Strategy Considerations

The Coalition needs to:

- insure language supporting the Coalition is in the initial legislation (House or Senate – developed by either body)
- insure the Coalition funding is included in any language regarding extensions
- maintain the Administration's support
- develop draft language
- develop schedule of visits with key players



Strategic Direction for Year 18



Strategic Direction for Year 18

- Funding is dependent on authorization or extension of SAFETEA-LU
 - ➔ Funding through Year 17: \$7,000,000/year
- Should funds become available:
 - ➔ Ongoing projects and program support will be covered first (approx. \$3,200,000)
 - ➔ A process needs to be developed for allocation of additional funds received



Year 18 (FY 10)

Ongoing Projects & Program Support

- Ongoing Projects:
 - ➔ Operations & Freight Academies
 - ➔ ICAT
 - ➔ Vehicle Probe
 - ➔ 3D Incident Management
 - ➔ Truck Parking/CVII
- Program Support:
 - ➔ Member/Committee Support
 - ➔ Coalition Staff Salaries/Travel
 - ➔ Administrative Efforts



Updates on Select Projects

- Vehicle Probe
- Integrated Corridor Analysis Tool
- Information Systems Network
- Marine Highway Program
- 3D Incident Management Training
- VMT-Based Fee Program



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Vehicle Probe

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Vehicle Probe Project

- States participating: NJ, PA, DE, MD, VA and NC
- Data are meeting the contract specifications
- Expansions in NJ and NC
- Other states are preparing, such as SC



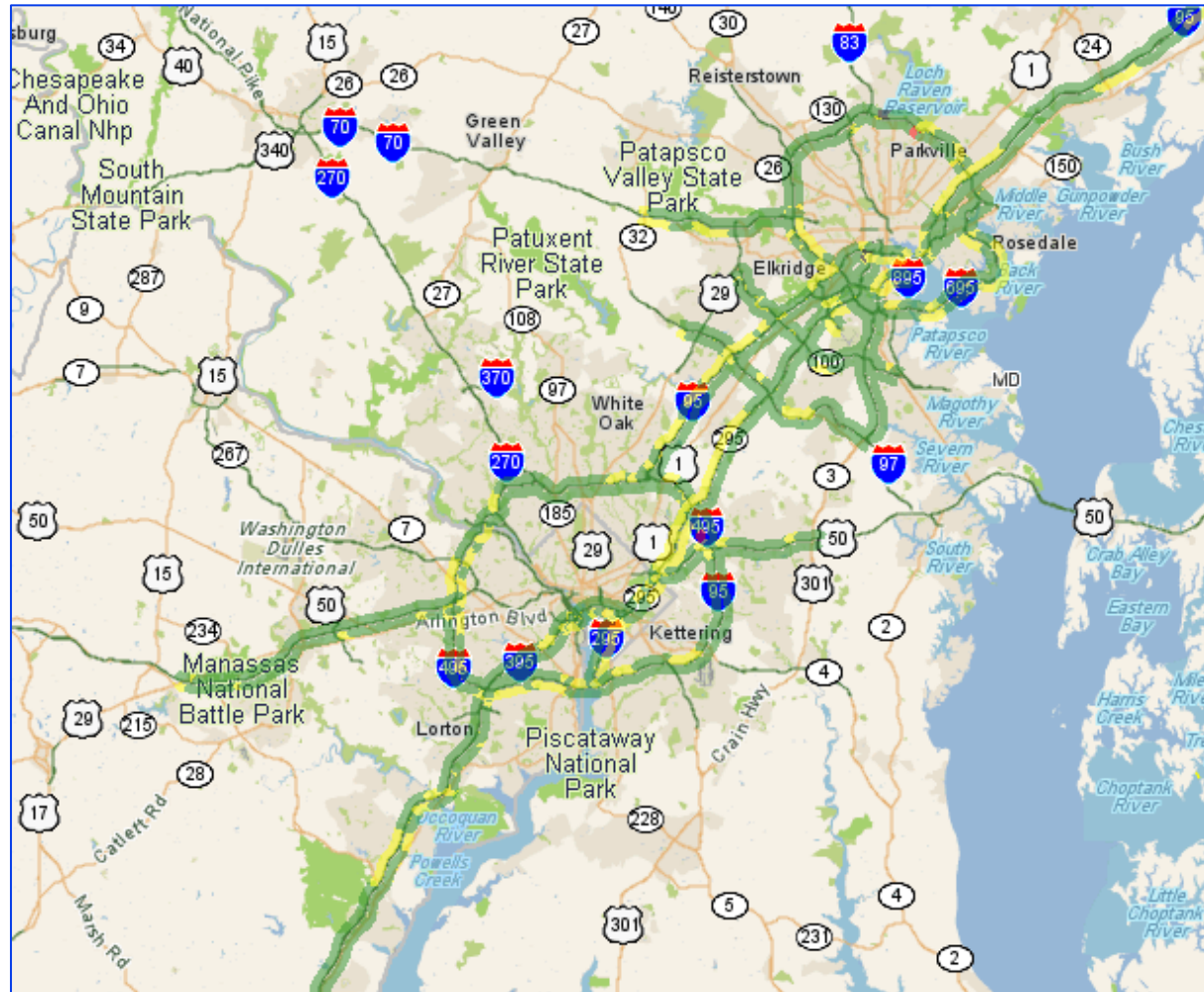
Vehicle Probe Project

- Groundbreaking effort
- Provides real-time speeds and travel times NJ to NC
- Regional Incident Management
- Traveler Information Web Sites
- Agency 511 Systems
- Travel Times on Signs
- Work zone safety/Queue detection
- Corridor Performance Measures





Monitoring Site



www.i95coalition.org



Project Statistics

(Through March 2009)

- **Service Availability**
 - ➔ March: 100% (feed and site)
 - ➔ To Date: 99.9%+ overall (feed and site)
- **Individual accounts/users**
 - ➔ Site: 142
 - ➔ Feed: 19
- **Archive requests**
 - ➔ 118 requests



Integrated Corridor Analysis Tool

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What is ICAT?

Integrated Corridor Analysis Tool (ICAT)

- ➔ GIS-based system of transportation networks for the Coalition Region
 - ◆ Visualize current transportation infrastructure and travel patterns
 - ◆ Forecast and display the impacts of future travel volumes in multi-state corridors
- ➔ Designed to help coalition members coordinate multi-state transportation planning, investment and operations.



Status of ICAT Components

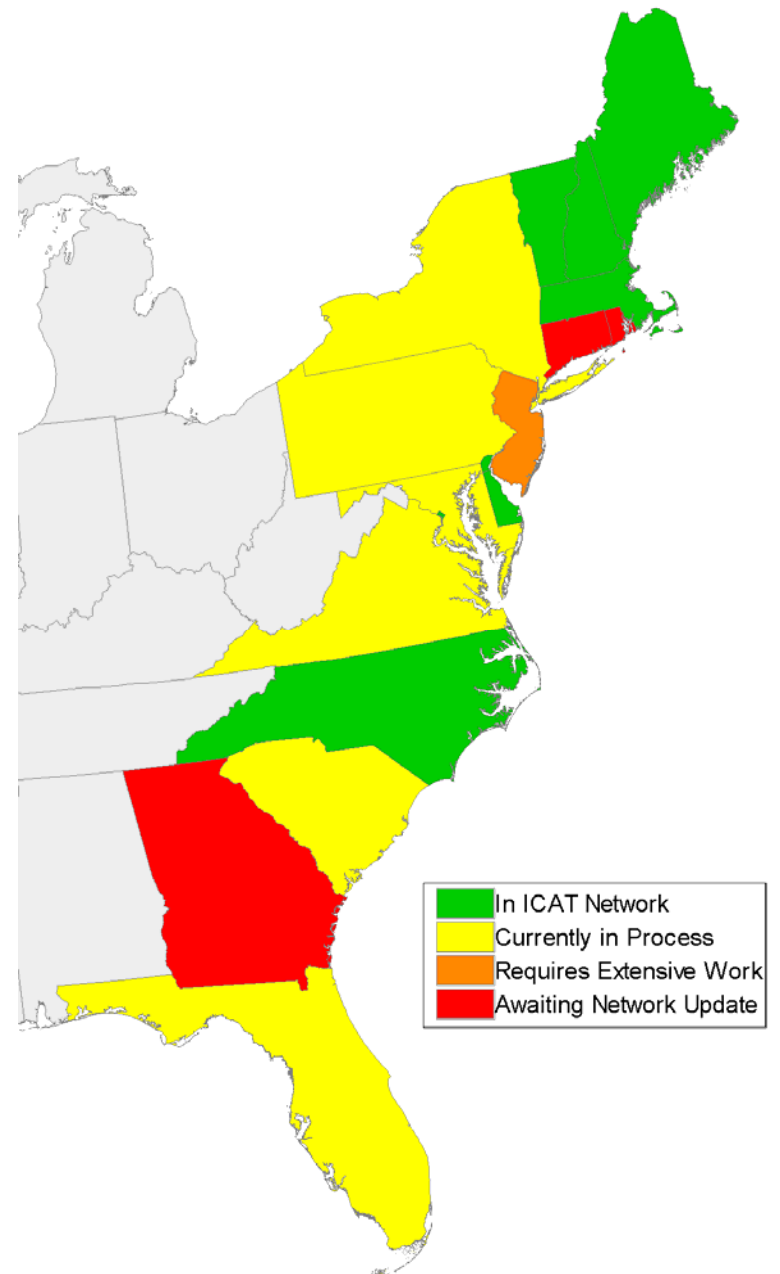
ICAT Databases

- **ICAT Highway Network** – Corridor-wide “hybrid” road network is operational (7 state networks are currently incorporated)
- **ICAT Rail Network** – Corridor-wide rail network is currently operational
- **O-D Trip Tables** – Auto and truck trip tables completed for current and multiple future year forecasts to 2035



Status of State Highway Networks

- 7 States currently in ICAT hybrid network
- 6 States currently being processed
- 1 State (NJ) requires extensive processing
- 3 States are updating their highway networks





Status of ICAT Components

ICAT Services

- **Web-based GIS (WebCAT)** – Initial web site is currently operational
<http://ags.camsys.com/icat/>
- **Data Download Site (DataCAT)** – Site is currently being updated and should be operational in June. All ICAT databases will be posted to this site.



Information Systems Network

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ISN Focus

- Demonstrate long-distance, real-time information sharing
- Establish Proof-of-Concept between NY/NJ metropolitan area and National Capital Region
- Information exchange between TRANSCOM RA-web and RITIS
- Evaluate system performance and user response



Progress

- Corridor-wide ISN requirements spec.
- Proof-of Concept requirements spec.
- Architecture and design concept developed with TRANSCOM and UMd
- Interface design and data exchange to be implemented by UMd
- UMd currently reviewing TRANSCOM interface documentation



Next Steps

- Complete POC design and implementation
- Perform system assessment and evaluate value of real-time info to transportation operations personnel
- Consider linkages between incident/event info and probe data



Marine Highway Program

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America's Marine Highway Program

- 46 CFR Part 393:
 - ➔ Establishes a short sea transportation program as set forth in the Energy Independence and Security Act of 2007
 - ◆ USDOT Secretary to designate short sea routes as extension of surface transportation system
- America's Marine Highway Program consists of four primary components:
 - ➔ **Marine Highway Corridor Designations**
 - ➔ Marine Highway Project Designations
 - ➔ Incentives, Impediments and Solutions
 - ➔ Research



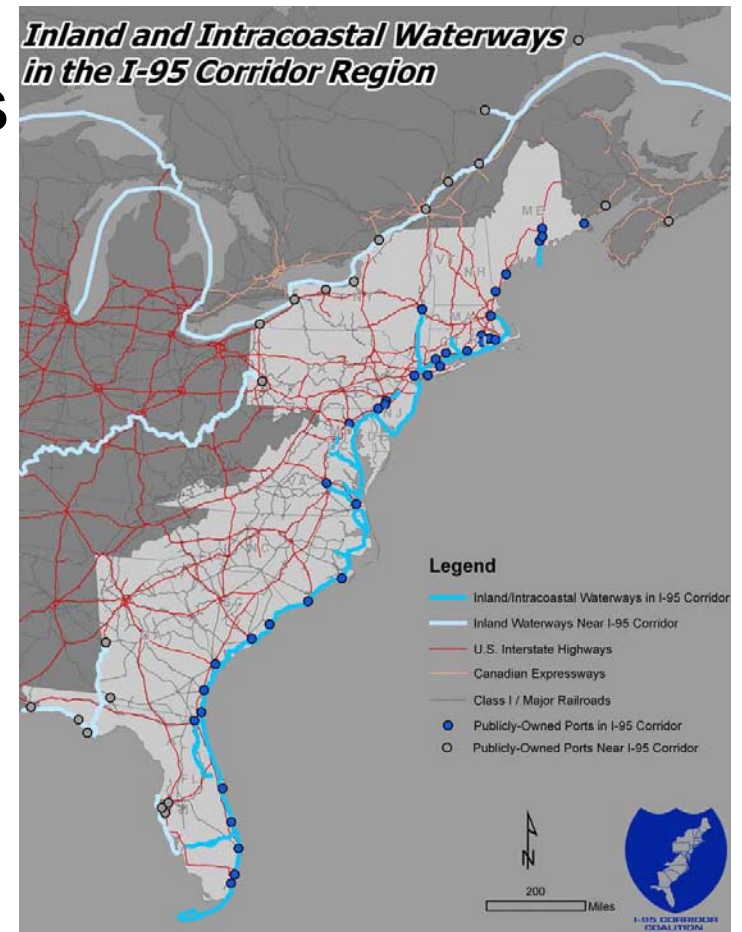
Marine Highway Corridor Designation: I-95 Corridor Coalition Application

- I-95 Corridor Coalition application offers:
 - ➔ An established intermodal and multi-jurisdictional network
 - ➔ An existing designation as a USDOT Corridor of the Future
 - ➔ A region which accounts for more than 1/3 of the nation's population and more than 1/3 of the nation's GDP.
 - ➔ “Broad based” designation for Intracoastal and Inland waterways and related networks in Corridor



Marine Highway Corridor Designation: I-95 Corridor Coalition Role

- Facilitate coordination of studies, projects and services
- Information exchange/best practice sharing
 - ➔ Agency projects
 - ➔ New research on commodity flows and potential markets
- Identify and establish performance measures
- NOT agency sponsor of Marine Highway projects





Marine Highway Corridor Designation:

- Coalition Marine Highway Submission prepared
- Collecting “sampling” of stakeholder support letters for application package
 - ⇒ DOTs
 - ⇒ MPOs
 - ⇒ Ports
- Submit final package week of May 25



3D Incident Management Training

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I-95CC's 3-D, Distributed, Interactive Transportation Management and First Responder Training System

- **An intensive training program that uses three-dimensional, multi-player computer gaming simulation technology and distance-based learning technologies to test, validate, certify, and reinforce the dissemination of best incident management practices across the Coalition region.**

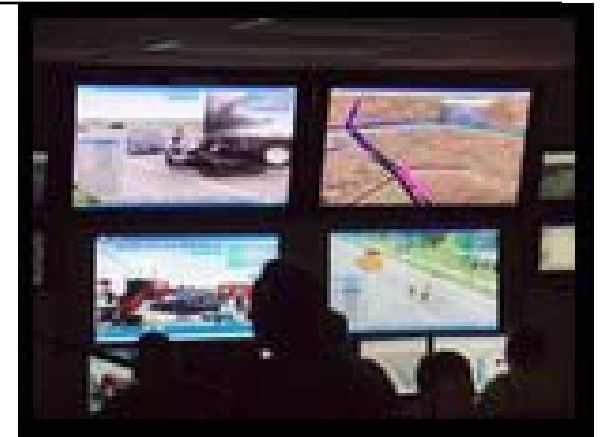
- **Practical, scenario-based, interactive, real-time IM training for up to 500 responders simultaneously at a variety of locations.**
 - Can be accessed from any location with an internet connection thereby reducing training and travel costs and enabling increased participation.

- **Designed to educate and validate QC practices and related IM techniques *and* promote communication, coordination and cooperation among organizations involved in IM.**
 - Peer-to-peer training discussions achieve more consistent performance, more innovation, and better and safer delivery of incident management.



I-95CC 3-D IM First Responder Training System Activities to Date

- The project aired on the Discovery Channel's *Modern Marvels* series in early 2008
- System development 2008-2009
 - Early System demos available on I-95CC website
- System Demos
 - ITS World Congress in New York City in November, 2008
 - ITS America Annual Meeting in early June, 2009
- System Testing underway



Training System Rollout in late Summer – early Fall, 2009



3-D IM First Responder Training System

The End Goal

- ❑ Meld I-95CC Quick Clearance Workshops/Toolkit and 3-D IM First Responder Training System bringing all responders to a common level on core competencies



- ❑ Consider basic voluntary Certification Program for incident responders in concert with the NTIMC/NUG



VMT-Based Fee Program

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VMT-Based Fees

- Follow-up to Strategic Vision recommendation
- Year 17 Project Idea (\$100K)
 - ⇒ Case study of multi-state pilot project
 - ◆ Possibly position Coalition for Federal funding
 - ⇒ Product: Conceptual Project Plan (who, what, how) and Assessment (benefits/risks)
 - ⇒ Work closely with representatives of case study states



National Efforts

- Oregon DOT Trial (2006-2007)
- TRB Exec Committee paper (support for the conduct of trials/pilot tests)
- University of Iowa (six site trial)
- NCHRP (implementation strategy)
- FHWA (assessment of technology options)
- TTI/Univ of Minnesota Symposium (April 14/15)



VMT-Based Fees:
Issues and Considerations
from a Multi-State Perspective

I-95 Corridor Coalition
May 5, 2009



Attendees

- Mark Muriello, PANYNJ
- Greg Oliver, DeIDOT
- Jack Basso, AASHTO
- Jim March, FHWA
- Brian Cronin, FHWA
- Kate Hartman, FHWA
- Jim Whitty, Oregon DOT
- Ian Grossman, AAMVA
- Pat Jones, IBTTA
- George Schoener, I-95 Corridor Coalition
- Lee Munnich, UMN
- Max Donath, UMN
- Mike McGurrin, Noblis
- Arlee Reno, Cambridge Systematics
- Dave Gehr, PB Americas
- Bud Wright
- Gary Euler, Telvent



Key Issues

- What unique opportunities does the I-95 Coalition offer?
- Should the pilot involve real or simulated fee collection?
- Objectives?
 - ➔ Evaluate architectural-technology options?
 - ➔ Assess institutional arrangements for system administration?
- What users or user-groups should be included?
 - ➔ Voluntary participation?
 - ➔ Specific groups (e.g., commercial or EZ Pass vehicles)?
- Should the pilot look at Federal fees only or also state and local fees and distribution issues?
- Should the following be addressed?:
 - ➔ Application of VMT fees on toll facilities?
 - ➔ Environmental, congestion pricing and/or social considerations
 - ➔ Layering effects
 - ➔ Other programs/objectives (e.g., IntelliDrive)



Unique Characteristics Offered by the Coalition

- Governing structure in place - membership/partnerships:
 - ➔ Multiple state DOT's and toll authorities
 - ➔ Public & private organizations (e.g., MPO's, trucking industry, etc.)
 - ➔ Excellent relationship with USDOT
- Significant freight movement and passenger travel:
 - ➔ Across state borders
 - ➔ On toll facilities (E-ZPass)
 - ◆ Interoperable technology, business rules, and reciprocity for 25 operators in 14 states. The Coalition region includes 20 of these operators in 9 states.
- Timely policies and interests:
 - ➔ Greenhouse gas emissions issues
 - ➔ Congestion pricing Concepts
 - ➔ Rich variety of transportation policies



Workshop Recommendations

- The I-95 Coalition project should be designed as a pilot program that:
 - ➔ Accommodates implementation of policy choices (environmental, congestion pricing, social, and layering of these)
 - ➔ Addresses issues related to VMT fees and toll facilities
 - ➔ Addresses issues related to the institutions and procedures for collection and audit enforcement (including IRS coordination)



Workshop Recommendations (con't)

- The I-95 Coalition project should be designed as a pilot program that:
 - ➔ Enables (in a simulated context) exploration relating to collection and distribution across and within state borders (state and local fees)
 - ➔ Addresses public acceptability questions (attitudes, motivations, privacy, etc.)
 - ➔ Helps define the functions of a national system relative to the policy objectives of Coalition member agencies



Next Steps

- Definition of project scenario
- Discussion with Executive Board on June 2
- Letter to member executives soliciting comments on project scenario and interest in participation
- Initiation of Year 17 project



Executive Board Meeting

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Executive Board Meeting

June 2, 2009 – 6:00 to 8:00 PM

- In conjunction with ITS America Meeting at the Gaylord National Harbor (Maryland)
- Coalition project demonstrations in exhibit hall:
 - ➔ 3D Incident Management Training
 - ➔ SafeTrip-21:
 - ◆ Long-Distance Trip Planning Using Real-Time Travel Data
 - ◆ Providing Travel Time Information to Airport Users



Executive Board Meeting Agenda

- **Congressional Update**
 - ➔ Sen. Frank Lautenberg (invited)
- **USDOT Initiatives Panel**
 - ➔ FHWA, RITA, MARAD, FRA
- **North Carolina DOT I-95 Study**
 - ➔ Gene Conti, Secretary
- **A Green Corridor: Clean, Green and Smart Project**
 - ➔ Glenn Pascall, West Coast Corridor Coalition
- **I-95 Corridor Coalition Activities**
 - ➔ Authorization, VMT, Mid-Atlantic Rail Ops Study