

# Vehicle Probe Project Web Conference



## *Status Update*

January 20, 2011



# Call Courtesies

- Please give your name and agency before asking your question (at least the first time)
- Please keep your phone muted until asking a question or speaking (**press \*6 to mute/unmute individual phone lines**)
- Please press \*0 to speak to an operator for questions regarding audio
- Please call 610-662-5569 for difficulties with the web application

# Agenda

Topic		Speaker
1	Introductions and Welcome	Bill Stoeckert
2	Communications Update	Karen Jehanian
3	INRIX Update	Rick Schuman
4	Data Validation and Arterial Data Quality Update	Stan Young
5	Direction of Validation	Stan Young
6	Vehicle Probe Year 19 Update	Bill Stoeckert
7	Contract Update	Kathy Frankle
8	Agency Questions and Updates	All
9	Participation in Meetings/Conferences	Karen Jehanian
10	Review of Action Items from this Webcast	Karen Jehanian
11	Selection of Date for Next Project Team Webcast	All

# Introductions and Welcome

***Bill Stoeckert***  
***I-95 Corridor Coalition***

Many ways to say “Thank You”  
but none suffice....



**You will be greatly missed!**

**Best  
Wishes!**

# Communications Update

*Karen Jehanian*

- Coalition Website Postings/  
Correspondence
- Meetings with Agencies

# Project Team Correspondence

<b>Coalition Website Postings</b>		
<b>DOCUMENT</b>	<b>DATE POSTED</b>	<b>LOCATION ON WEBSITE</b>
Validation of INRIX Data – Monthly Report – Pennsylvania (dated November 2010)	December 20, 2010	On the Highlights page under “Data Validation”
Validation of INRIX Data – Monthly Report – Maryland (dated November 2010)	December 20, 2010	On the Highlights page under “Data Validation”
December 8, 2010 VP Team Webcast – Presentation and Meeting Minutes	December 23, 2010	On the Highlights page under “Project Presentations”

# Project Team Correspondence

<b>Correspondence Sent to the VPP Team</b>		
<b>DOCUMENT</b>	<b>DATE SENT</b>	<b>METHOD</b>
Validation of INRIX Data – Monthly Report – Pennsylvania (dated November 2010)	December 21, 2010	Via email
Validation of INRIX Data – Monthly Report – Maryland (dated November 2010)	December 21, 2010	Via email
December 8, 2010 VP Team Webcast – Presentation and Meeting Minutes	December 22, 2010	Via email

# VP System Integration Meetings

State	2009 Meetings/ Webcasts	2010 Meetings/ Webcasts	2011 Meetings/ Webcasts
Delaware	Nov. 9, 2009		
Florida			
Georgia		Held on April 19, 2010	
Maryland	Sept. 29, 2009		
New Jersey	May 11, 2009		
North Carolina	July 2, 2009		
Pennsylvania		Held on April 1, 2010	
South Carolina	Nov. 18, 2009		
Virginia		Held on Aug. 30, 2010	

# INRIX Update

***Rick Schuman***

- Project Statistics
- Other Topics
  - Upcoming “Map Update”
  - Noteworthy Consumer Product Announces

# Project Statistics

- **Availability**
  - 99.34% in November 2010, 100% in December 2010
    - 99.9%+ since launch (vs. 99% contract requirement)
  - November 17, 2010 issue
    - Reporting only “20” scores for 6hr, 10 min (05:03–11:13 EST)
- **Users (as of 1/5/11)**
  - Monitoring Site – 414
  - Data Feed – 42
  - Archive requests – 506 since launch

# Map Update Status

- Next Map update in planning for early April 2011
  - Map: From Sept 2009 to Sept 2010
  - TMC: From version 3.6 to version 3.7
- VPP impact analysis underway
  - More details in February
  - Jeff Summerson to provide details to feed users
- INRIX will give 6-8 weeks advance notice
  - TMCs added/deleted/changed
    - Previous impacts minimal

# SYNC® Destinations Mobile App

MEDIA.FORD.COM

Corporate Home News Products Bios Facilities Photos Videos Audio PR Contacts

2011 Ford Taurus

Ford LINCOLN

Add to Briefcase Related Articles Print Page RTF PDF ShareThis

Sections:  
 eNews  
 Sales and Financial Results  
 Safety and Technology  
 Product  
 People  
 Motorsports  
 Media Advisories  
 History  
 Manufacturing  
 Marketing & Customer Service  
 Corporate Citizenship

**NEW FORD SYNC DESTINATIONS APP OFFERS 'ON THE GO' NAVIGATION; PREDICTS BEST DEPARTURE TIMES**

- SYNC@Destinations is a free smartphone app that gives SYNC Traffic, Directions and Information (TDI) users mobile access to search for and save destinations to their cloud-based SYNC Services account for easy access when back in the car
- App includes Predictive Traffic, powered by Ford's best-in-class traffic information supplier INRIX, providing users with recommended departure time, travel time and ETA based on current and expected traffic conditions along their route
- Free SYNC Destinations app is available today for Apple iPhone, Apple iPad and Android-based devices and can be downloaded through the Apple App Store and Android Market
- SYNC Destinations is available to owners of 2010-2011 SYNC-equipped, TDI-capable vehicles who have a registered and active TDI services account on [www.syncmyride.com](http://www.syncmyride.com)

DEARBORN, Mich., Dec. 29, 2010 – Owners of 2010 and 2011 Ford SYNC-equipped vehicles that are Traffic, Directions and Information (TDI)-capable can now download a free smartphone app designed to help get them where they need to go with less hassle.

Ford launched the SYNC Destinations mobile app today for Apple iPhone, Apple iPad and Android-based devices, with BlackBerry smartphones coming soon. Available at no cost, the app gives users of TDI services mobile access to a host of navigation and traffic information specifically designed to make any trip easier.

"SYNC Destinations leverages the power of your smartphone to manage a user's SYNC Services account and to plan ahead, sending destination locations to your car, and knowing what's happening on the road ahead of you before you even get behind the wheel," said Dave Gersabeck, SYNC TDI product manager.

With the SYNC Destinations app, TDI users have an exclusive on-the-go link to their cloud-based SYNC

**School Fastest Route**

Summary Route Forecast

Leave at: 4:00 PM  
Wed, Dec 15

Arrival time: 4:47 PM  
Traffic: Getting Worse

Travel Time: 0 Hrs 47 Mins  
Distance: 20.10 Miles  
Traffic: Heavy

Travel Time Along Route

Ford launched the SYNC Destinations mobile app today for Apple iPhone, Apple iPad and Android-based devices, with BlackBerry smartphones coming soon. Available at no cost, the app gives users of TDI services mobile access to a host of navigation and traffic information specifically designed to make any trip easier.

en

Latest

Welcome

Login:

Password:

Forgot Password

Register

myBri

Jump

RSS FEEDS



# Toyota Entune<sup>®</sup> System



## Connect with your car.

Entune™ is a revolutionary in-car experience that keeps you and your Toyota connected. It's never been easier. Just download the Entune™ mobile app to applicable phones, and you can access a variety of in-car applications from your phone. You can control the applications by using the touch screen or voice commands (Bing only at launch). Entune™ will be available as an option on select models this year.



## Features



### Bing

Bring the power of a decision engine to your car with Bing, the decision engine from Microsoft®. Its voice-activated search and organized results will help you travel with confidence.



### iheartradio

There is always something to listen to with iheartradio. With access to more than 750 local radio stations from across the country and exclusive artist content, you won't know what to listen to first!



### Pandora

Listen to the music you love with Pandora personalized radio. Create your own radio stations based on your favorite songs, artists and genres. Every drive can have the perfect soundtrack.



### Movie Tickets.com

Seeing a movie on a whim has never been easier with Movie-tickets.com. You can find local movie times, read movie reviews and even purchase tickets while in your car.



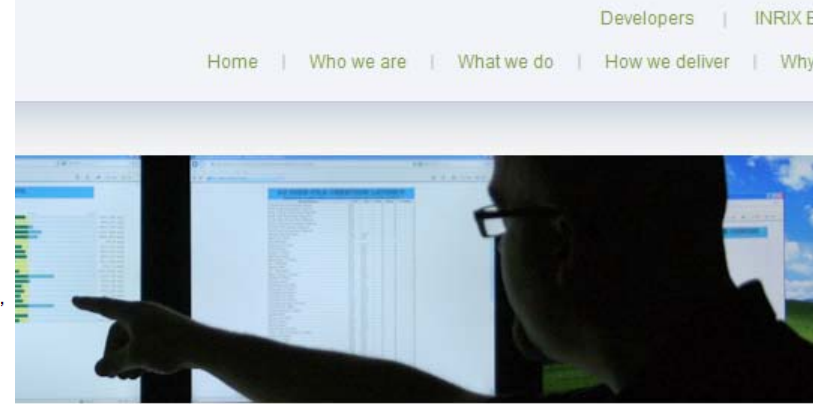
### OpenTable

Decide where you want to eat while you're on the road with OpenTable. You can browse local restaurants by cuisine, price and availability. Once you settle on a restaurant, you can



### Sports, Stocks, Traffic, News, Weather and Fuel Prices

You can also get the latest sports scores, keep track of your personal stocks, check traffic and weather, and compare fuel prices.



## Toyota Selects INRIX to Power Entune™ Navigation with Real-Time Traffic Information

Las Vegas, NV – 2011 International Consumer Electronics Show – January 4, 2010—INRIX, the leading provider of traffic and driver services, announced Toyota will use its real-time traffic information to fuel the automaker's new Entune™ multimedia system on select audio headunits.

Toyota Entune leverages the customer's mobile phone to access INRIX's real-time traffic information, alert drivers to potential traffic causing delays along

# Data Validation & Arterial Data Quality Update

***Stan Young***  
***University of Maryland***

- Status and Schedule
- Virginia Results – Sept 2010
  - Freeway Summary
  - Arterial Summary
- Other Issues & Ongoing Analysis
- Arterial Data Quality Update

# Data Validation Status

Month and Year	State / Location	Ground Truth Data Collection [By mid-month]	Data Processed and Preliminary Results Ready for Review [By end of Month]	UMD Review	INRIX Review	State Review & Briefing [+ 2 weeks]	Publish [+ 2 weeks]
				[+ 2 weeks]			
Aug-10	Pennsylvania	<i>Aug 19 - Aug 30, 2010</i>	<i>6-Oct-10</i>	<i>20-Oct-10</i>	<i>20-Oct-10</i>	<i>14-Nov-10</i>	<i>17-Nov-10</i>
Sep-10	Virginia	<i>Sep 8 - Sep 16, 2010</i>	<i>14-Oct-10</i>	<i>23-Dec-10</i>	<i>23-Dec-10</i>	14-Jan-11	28-Jan-11
Oct-10	Maryland	<i>Oct 8 - Oct 18, 2010</i>	<i>19-Nov-10</i>	<i>26-Nov-10</i>	<i>26-Nov-10</i>	<i>28-Nov-10</i>	<i>30-Nov-10</i>
Nov-10	Delaware	<i>Nov 3 - Nov 17, 2010</i>	<i>14-Dec-10</i>	<i>23-Dec-10</i>	<i>23-Dec-10</i>	14-Jan-11	28-Jan-11
Dec-10	-	-	-	-	-	-	-
Jan-11	North Carolina	1/14/2011	1-Feb-11	15-Feb-11	15-Feb-11	3-Mar-11	17-Mar-11
Feb-11	South Carolina	2/1/2011	1-Mar-11	15-Mar-11	15-Mar-11	31-Mar-11	14-Apr-11
Mar-11	New Jersey	3/1/2011	1-Apr-11	15-Apr-11	15-Apr-11	1-May-11	15-May-11
Apr-11	New Jersey	4/1/2011	1-May-10	15-May-10	15-May-10	31-May-10	14-Jun-10

- VA - Sep 2010, initial report used 30% historical data
  - Reprocessed in Dec 2010
- MD – Oct 2010, report published, reported last month
- DE – Nov 2010, draft report pending state review
- NC in Jan 2011, SC in Feb 2011

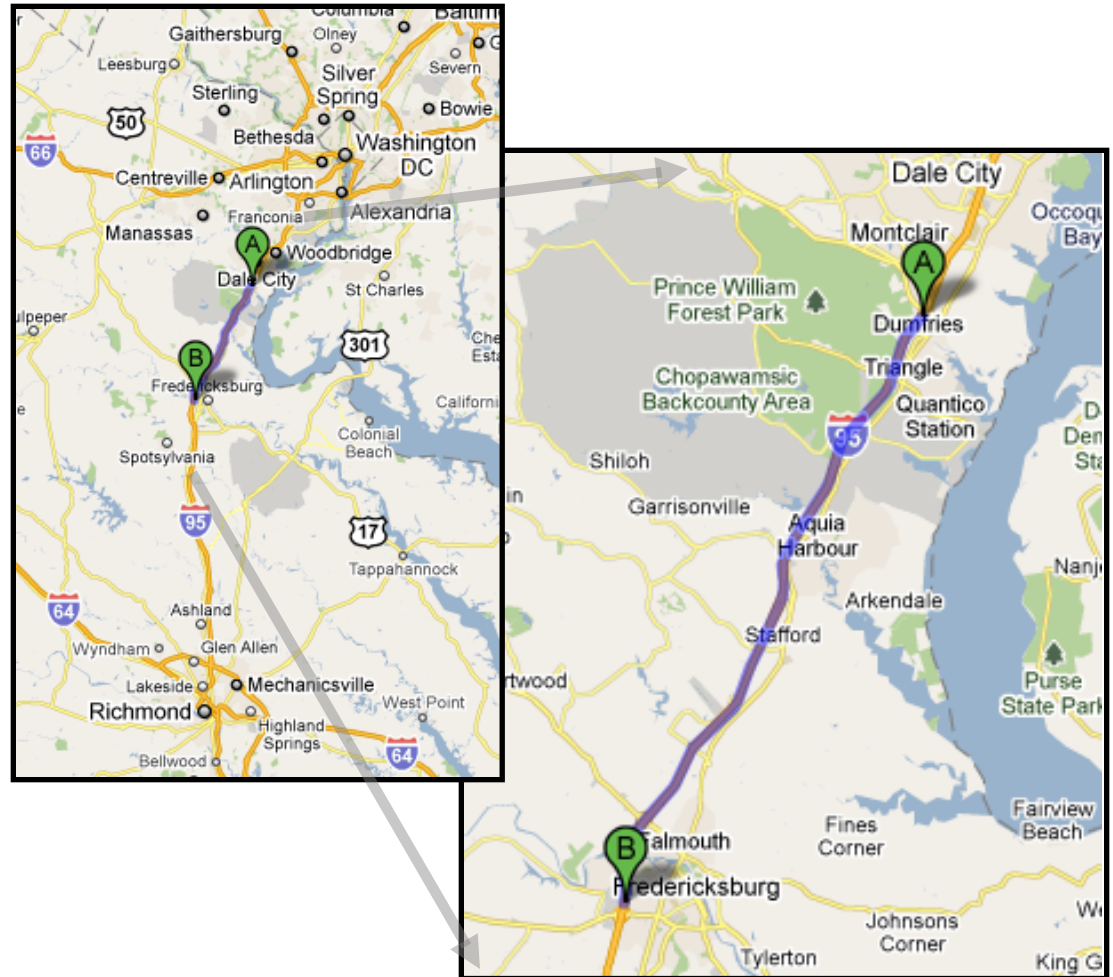
# Virginia Validation - September 2010

## Freeways –

14 paths, 24 TMCs  
43.8 miles  
2283 hours of data  
109 hrs of congestion

## Arterials –

2 paths, 2 TMCs  
2.3 miles



# Virginia Validation

## September 2010

- Freeway Summary

- 14 Freeway segments on I95 between DC and Fredericksburg
- Sep 8, 2010 through Sept 16, 2010
- 43.8 miles of Freeway validation
- **40.8 hours < 30 MPH**  
**69.2 hours 30-45 MPH**
- AASE in lower two bands  
**4.8 / 4.0** (10 MPH is spec)

# Virginia Validation Chart

## September 2010

<b>VA Evaluation Summary</b>						
<b>Speed Bin</b>	<b>Absolute Speed Error (&lt;10mph)</b>		<b>Speed Error Bias (&lt;5mph)</b>		Number of 5 Minute Samples	Hours of Data Collection
	Comparison with SEM Band	Comparison with Mean	Comparison with SEM Band	Comparison with Mean		
0-30 MPH	<b>4.80</b>	6.30	<b>3.20</b>	4.10	489	40.8
30-45 MPH	<b>4.00</b>	7.80	<b>1.40</b>	4.30	830	69.2
45-60 MPH	<b>2.90</b>	5.20	<b>0.40</b>	1.60	1436	119.7
> 60 MPH	<b>1.80</b>	3.80	<b>-1.50</b>	-2.80	24644	2053.7
All Speeds	1.98	4.04	-1.23	-2.23	27399	2283.3

Based upon data collected from September 8, 2010 through September 16, 2010 across 43.8 miles of roadway.

- Well within specifications
- Solid data collection, and validation results

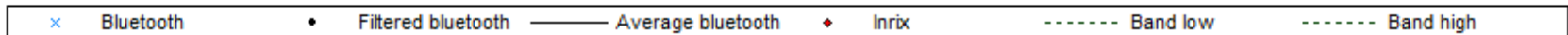
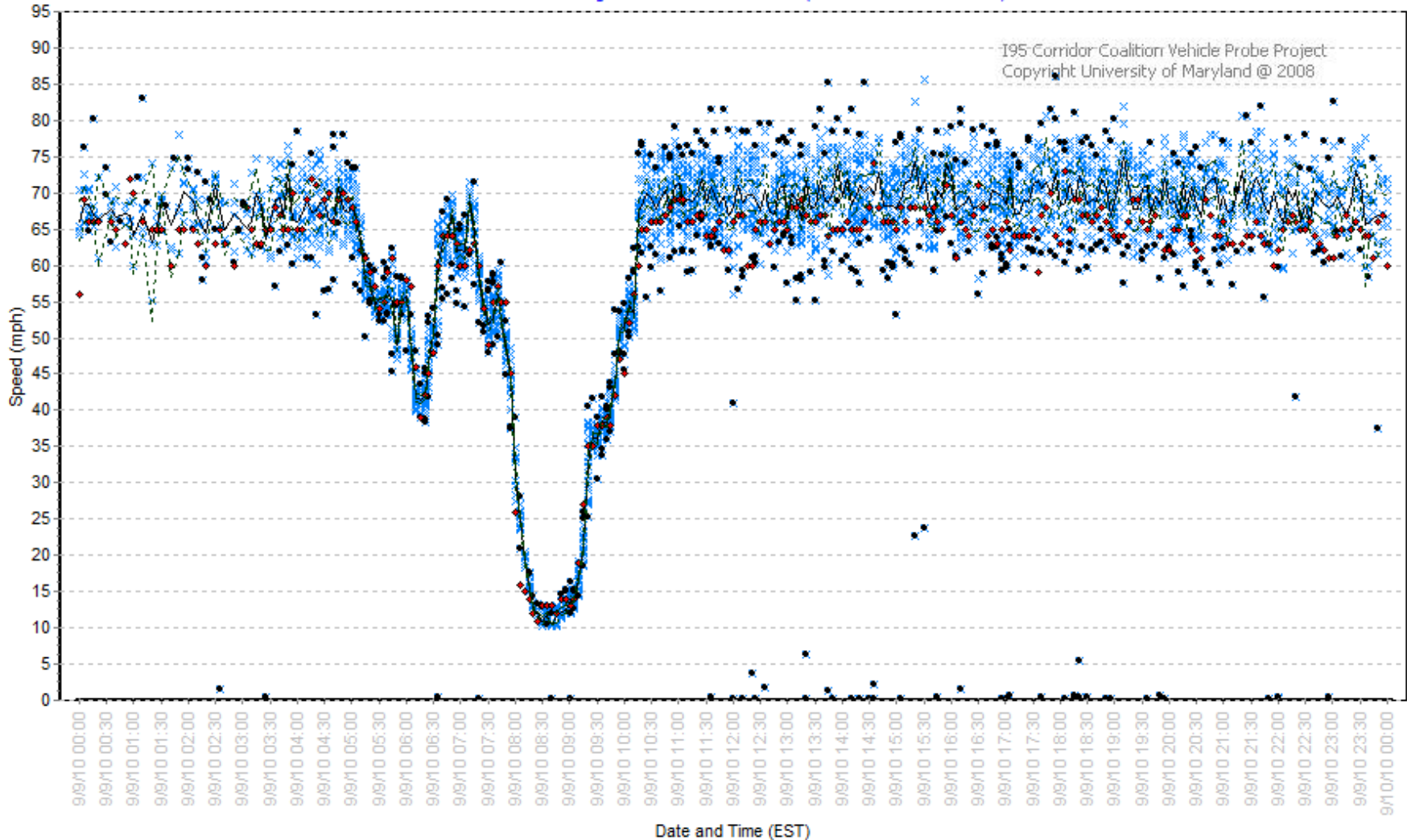
# Sample Freeway Data

VA - September 9, 2010 on I95 Northbound at Exit 148

TMC:VA05-0009

I-95 NORTHBOUND ending at RUSSELL RD/EXIT 148 (4.57362842559814 miles)

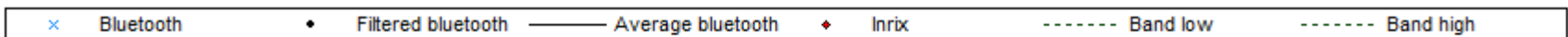
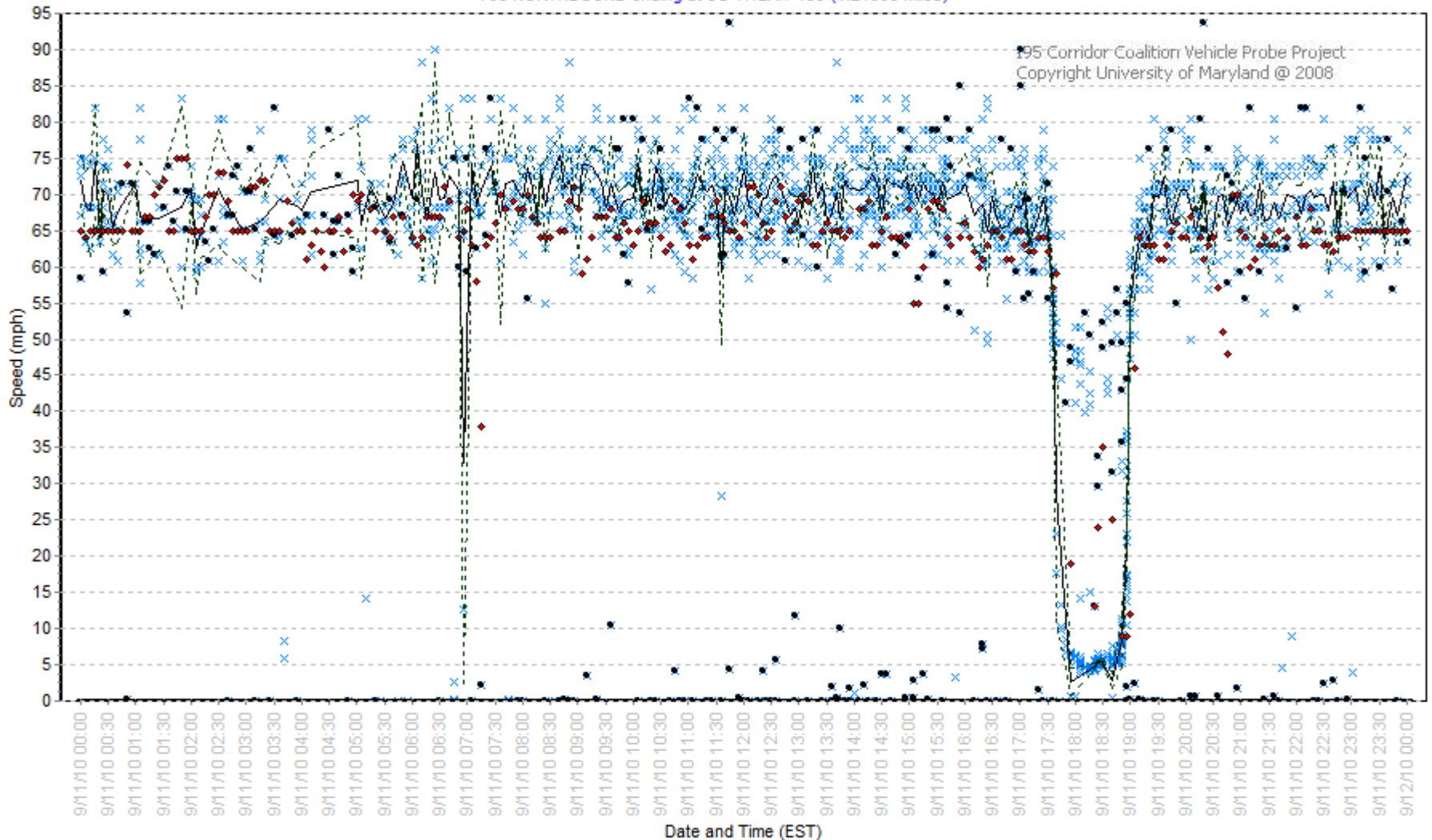
I95 Corridor Coalition Vehicle Probe Project  
Copyright University of Maryland © 2008



# Sample Freeway Data

VA - September 11, 2010 on I95 Northbound near exit 133

TMC:110P04143  
I95 NORTHBOUND ending at US 17/EXIT 133 (1.21303 miles)



# Virginia Cumulative

VIRGINIA - Cumulative to Date						
Speed Bin	Absolute Speed Error		Speed Error Bias		Number of 5 Minute Samples	Hours of Data Collection
	Comparison with SEM Band	Comparison with Mean	Comparison with SEM Band	Comparison with Mean		
0-30 MPH	<b>4.51</b>	5.72	<b>1.40</b>	1.66	4300	358.3
30-45 MPH	<b>6.26</b>	8.87	<b>1.20</b>	2.53	3820	318.3
45-60 MPH	<b>2.77</b>	4.85	<b>-0.06</b>	0.62	17569	1464.1
> 60 MPH	<b>2.06</b>	4.12	<b>-1.65</b>	-2.97	50105	4175.4
All Speeds	2.57	4.62	-0.96	-1.59	75794	6316.2

- Five Validations
  - Initial 08, Nov 08, May 09, Nov 09, Sep 10
- 126 miles, > 670 hrs of congestion
- **AASE of 4.5 / 6.3 in lower speed bins**

# Payment Calculation

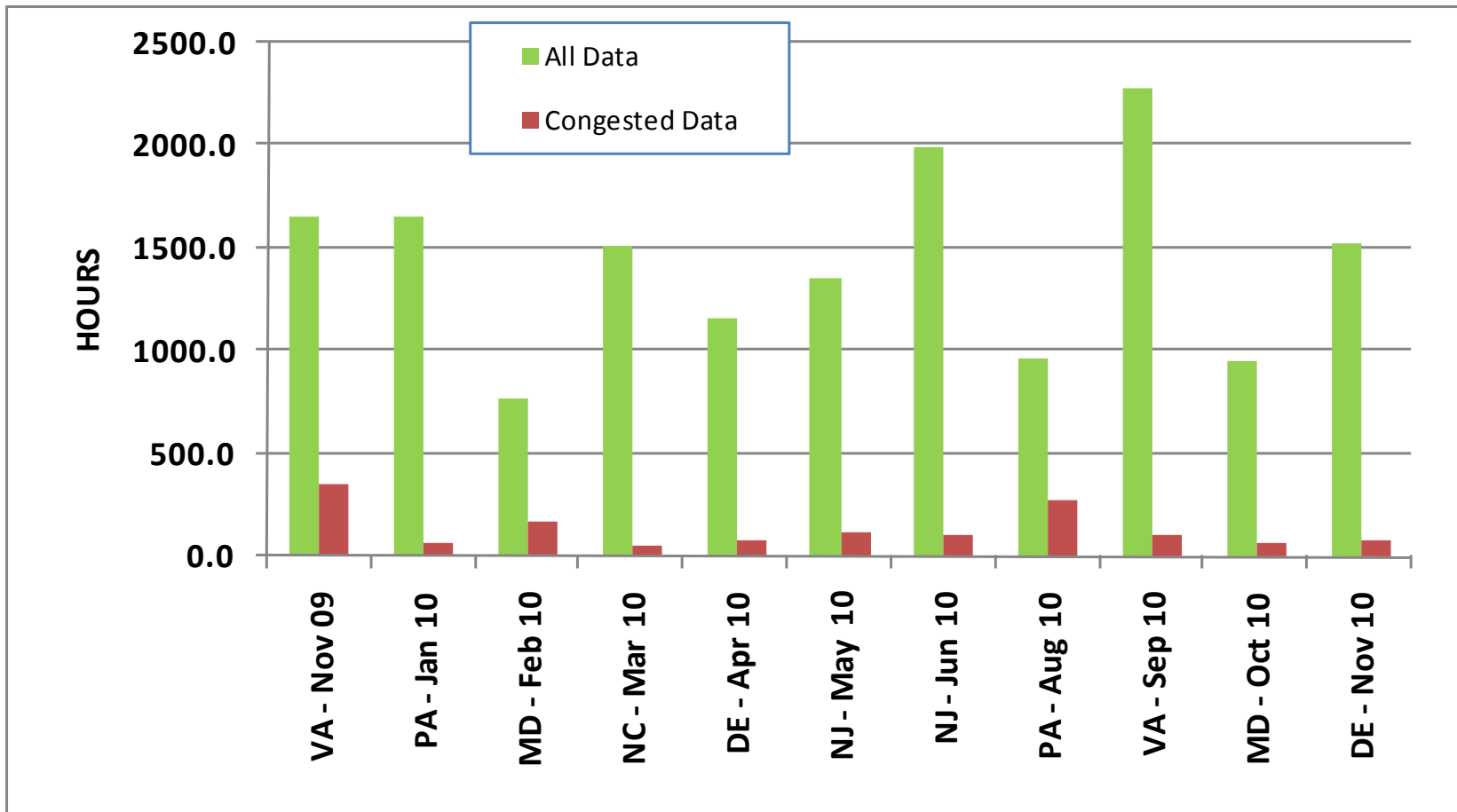
## Nov 2010

<b>CORE COVERAGE QUALITY</b>							
<b>State</b>	<b>Absolute Speed Error</b>		<b>Speed Error Bias</b>		Hours of Data Collection	# Data Points	
	Comparison with SEM Band	Comparison with Mean	Comparison with SEM Band	Comparison with Mean			
<b>AGGREGATE QUALITY CALCULATION</b>							
	0-30 MPH	<b>4.42</b>	5.51	<b>2.58</b>	2.97	277.3	3327.0
	30-45 MPH	<b>4.14</b>	6.85	<b>1.68</b>	3.42	174.8	2097.0
	45-60 MPH	<b>2.45</b>	4.47	<b>-0.05</b>	0.58	930.7	11168.0
	> 60 MPH	<b>1.85</b>	4.07	<b>-1.50</b>	-2.86	2813.8	33765.0
	All Speeds	2.25	4.37	-0.78	-1.45	4196.4	50357.0

- November 2010, includes MD, VA, and PA
  - 100% Payment
  - Offset credit earned, 2.4%
  - NJ and NC expansion , 100% Payment

# State Comparison

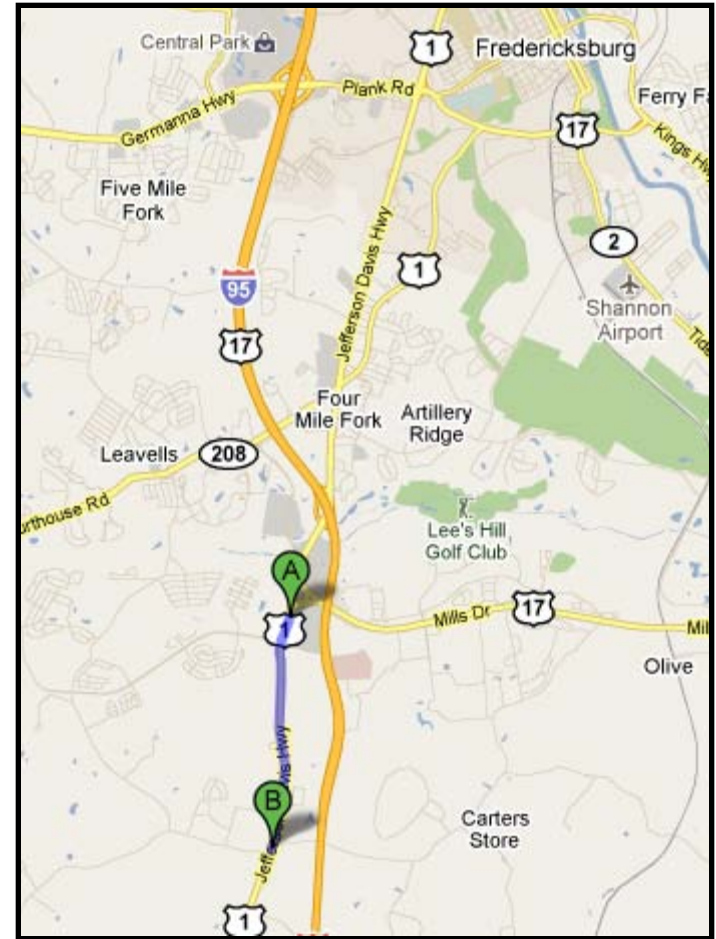
## Hours of Validation Data



# Virginia Validation

## September 2010

- Arterial Summary
  - Two segments
  - Each 2.3 miles long
  - Route 1, NB & SB



# Type of Arterial

- Signals
  - Each end
- Roadway, 2 types
  - 4 lane
    - no curb, undivided
  - 4 lane
    - Curb and gutter, divided
- Volume ???



# Typical Cross Sections



# Typical Cross Sections

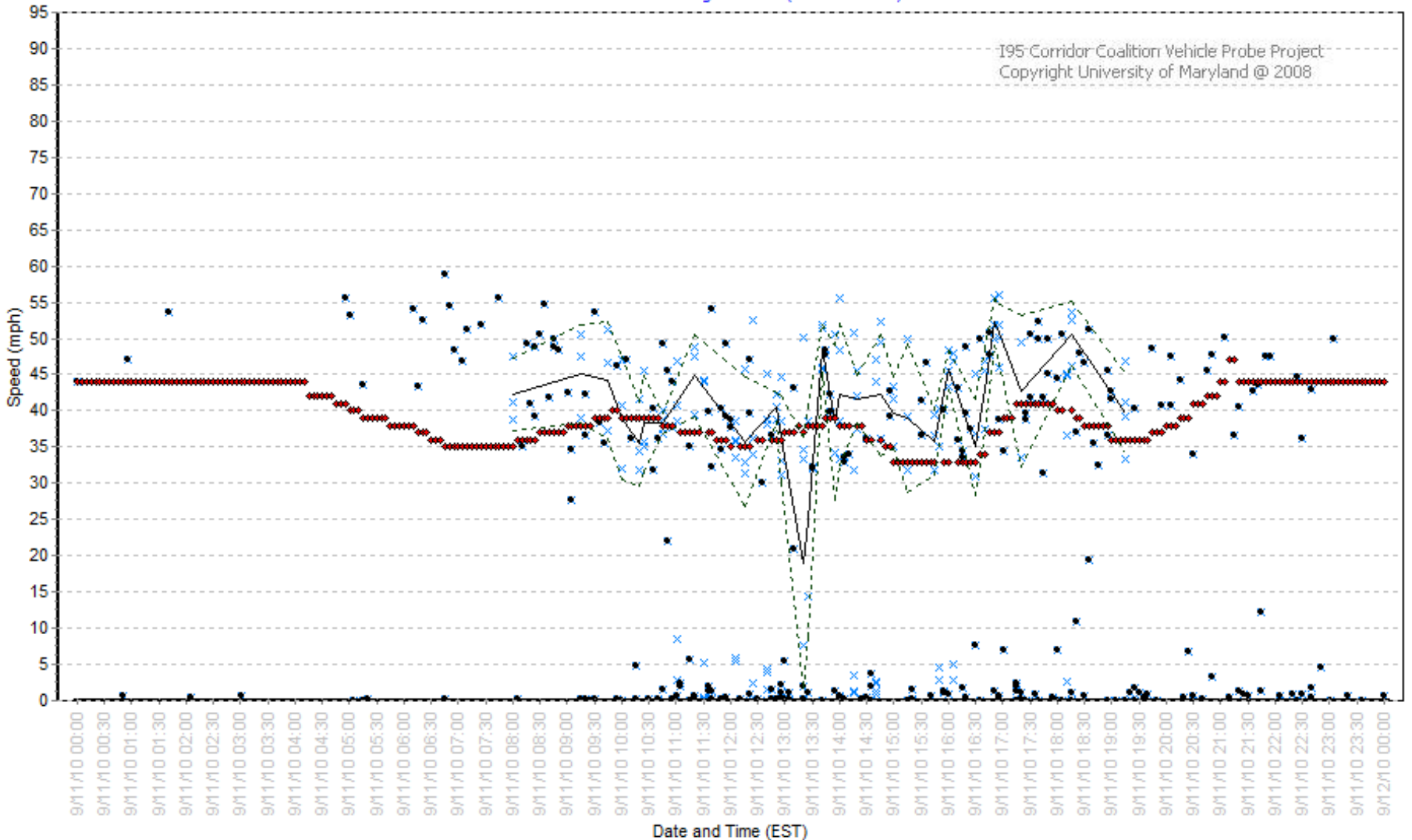


# Sample Arterial Data

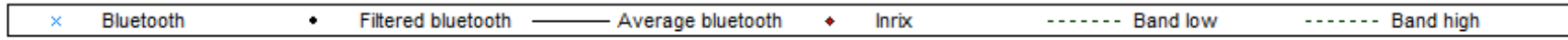
## VA – Route 1 NB September 11, 2010

TMC:110+09514

US 1 NORTHBOUND ending at US 17 (2.29924 miles)



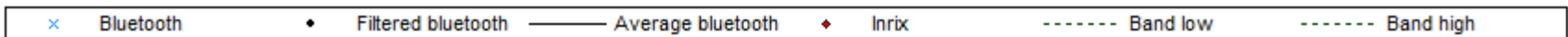
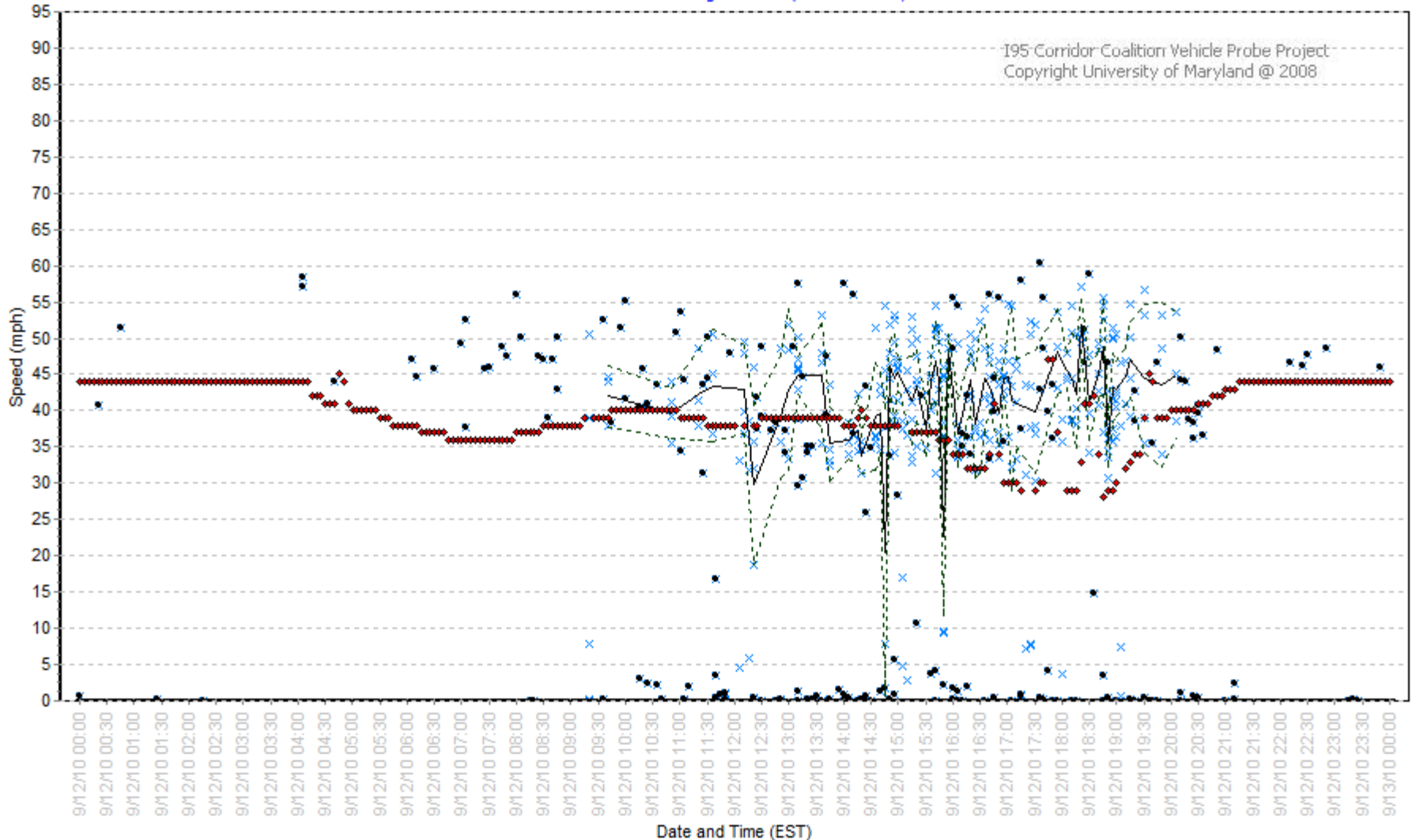
I95 Corridor Coalition Vehicle Probe Project  
Copyright University of Maryland @ 2008



# Sample Arterial Data

## VA – Route 1 NB September 12, 2010

TMC:110+09514  
US 1 NORTHBOUND ending at US 17 (2.29924 miles)



# Virginia Arterial Conclusions

- Volume may be insufficient
  - Estimated volume 9000 – 12000 AADT
    - Based on 450 detections and 3%-5% detection rate
- No congestion or slowdowns observed in validation data
- Low amount of real-time data
  - From 6AM and 9PM, 3.15% score of 30

# Other Issues & Ongoing Analysis

- Volume analysis – based on MD ATR data
- Performance of Historical Data
- C-Value analysis

# Arterial Data Quality Update

- Arterial Analysis
  - Arterial Analysis Briefing/Webcast held on December 16, 2010 with committee
  - Analyze Existing Arterial Validation Data Sets
    - Evaluate data in light of white paper direction
  - Directed Data Collection in 2011
  - Determine types, volume, and signal density
  - Test accuracy specs & validation procedures

# Direction of Validation

*Stan Young*

# Direction of Validation

- Freeway Validation Trends 2010
  - Consistently meeting specifications
  - Full payment
  - No new freeway issues
- Validation needs moving forward
  - Freeways - meeting specs / payment
  - Arterials and Ramps
  - Other (?)

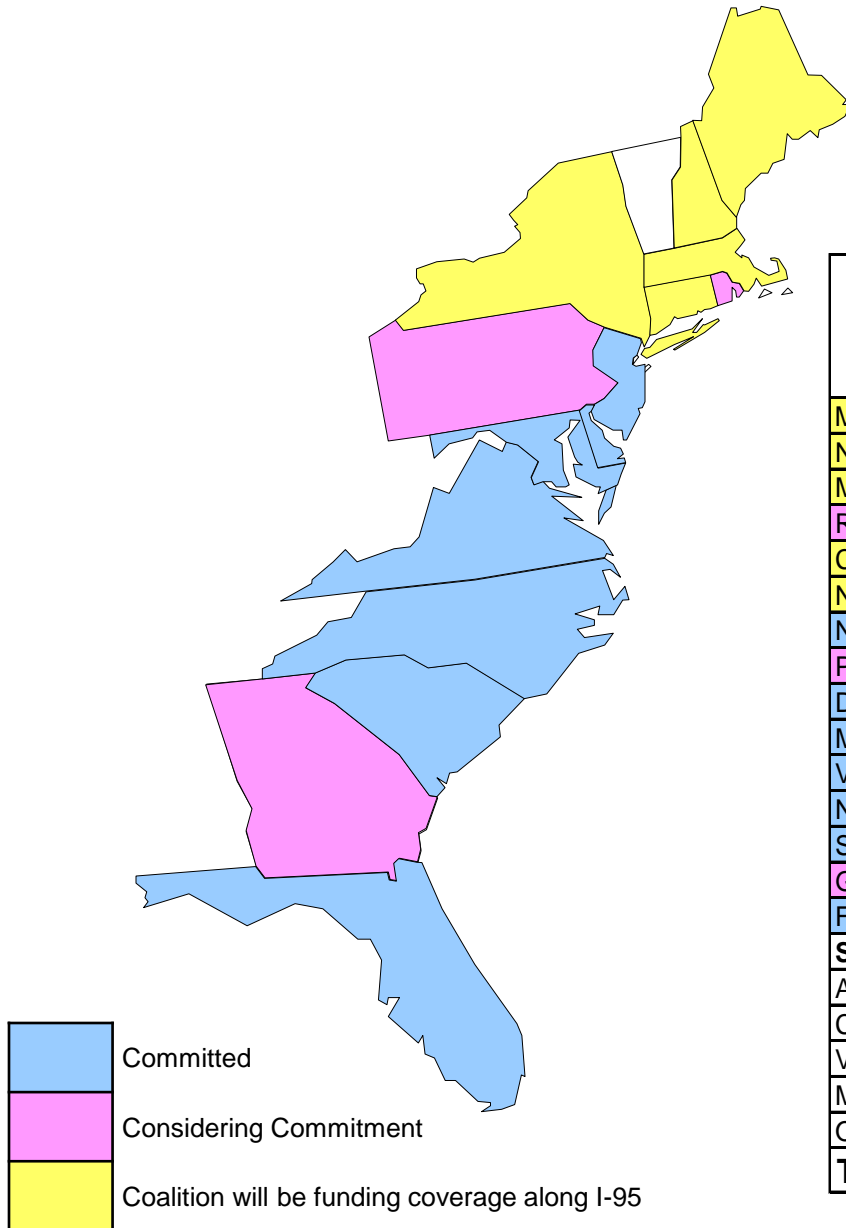
# Direction of Validation (continued)

- Arterial Data Validation
  - Efforts have been opportunistic
  - Dedicated data collection needed
- Validation Priorities Moving Forward
  - Amount of Freeway Data vs. Arterial
  - Feedback / Discussion

# Vehicle Probe Project Year 19 Update

***Bill Stoeckert***

# Year 19 VPP Commitment Status



State	Total Miles	Total Cost	State Participation	Coalition Cost
Maine	53	\$39,750	\$0	\$39,750
New Hampshire	16	\$12,000	\$0	\$12,000
Massachusetts	88	\$66,000	\$0	\$66,000
Rhode Island	44	\$33,000	\$0	\$33,000
Connecticut	111	\$83,250	\$0	\$83,250
New York	24	\$18,000	\$0	\$18,000
New Jersey	470.5	\$365,375	\$188,938	\$176,438
Pennsylvania	51	\$38,250	\$0	\$38,250
Delaware*	46	\$34,500	\$17,250	\$17,250
Maryland/DC	297.2	\$235,400	\$123,950	\$111,450
Virginia*	305.5	\$229,125	\$114,563	\$114,563
North Carolina	261.8	\$208,850	\$110,675	\$98,175
South Carolina	220	\$177,500	\$95,000	\$82,500
Georgia	112	\$84,000	\$0	\$84,000
Florida	728	\$558,500	\$285,500	\$273,000
<b>Sub-Total</b>	<b>2828</b>	<b>\$2,183,500</b>	<b>\$935,875.00</b>	<b>\$1,247,625.00</b>
Additional Costs				
Contingency		\$100,000	\$0	\$100,000.00
Validation		\$336,279	\$0	\$336,279.00
Management		\$148,099	\$0	\$148,099.00
Overhead		\$12,500	\$0	\$12,500.00
<b>Total</b>		<b>\$2,780,378</b>	<b>\$935,875</b>	<b>\$1,844,503</b>

\* Agency is contracting through Pooled Fund

# Proposed Feature Availability

## Review of Features available in Year 19 to Agencies

	Monitoring Site (viewing only)	Archived data	Real-time data feed	RITIS (Performance measures)
Participating agencies with signed DUA	<b>All covered roadways</b>	<b>All covered roadways</b>	<b>All covered roadways</b>	<b>All covered roadways</b>
Non-participating agencies with signed DUA	<b>In your state, I-95 only</b>	<b>In your state, I-95 only</b>	Not available	<b>In your state, I-95 only</b>
Non-participating agencies without signed DUA	Not available without signed DUA	Not available without signed DUA	Not available	Not available without signed DUA

# Contract Update

*Kathy Frankle*

- DUA update
- Expansion update
- INRIX Contract update

# DUA Status

<b>Core States</b>	
Delaware DOT	9-May-2008
Maryland SHA	12-Jun-2008
North Carolina DOT	15-Aug-2008
New Jersey DOT	19-Jun-2008
Pennsylvania DOT	----
Virginia DOT	26-Jun-2008

<b>Other Coalition Members</b>	
Baltimore MPO	17-May-2010
Delaware Valley Reg. Planning Comm.	22-Jul-2010
District of Col	22-Oct-2009
FHWA	3-Sep-2008
Florida DOT	7-Jun-2010

<b>Other Coalition Members (continued)</b>	
MdTA	12-Dec-2008
MTA Bridges	23-Jul-2008
MWCOG	08-Jun-2009
New Hampshire DOT	03-Feb-2010
New Jersey Transit	In Process
North Jersey TPA	Inquired
NJ Turnpike	12-Jan-2009
NY State DOT	25-May-2008
Philadelphia Police	15-Jul-2010
Port Authority NJ/NY	22-Oct-2009
PRTC	26-Nov-2008
Richmond, VA MPO	21-Sep-2010
Rutgers Univ. (for NJDOT)	30-Nov-2010
SC DOT	22-Jan-2009
South Jersey Transportation (Authority)	inquired

# Expansion Status

Coalition Members	DUA Status	Expansion
<b>Core States</b>		
Delaware DOT	9-May-2008	----
Maryland SHA	12-Jun-2008	1-Sept-2010
MdTA	12-Dec-2008	
North Carolina DOT	15-Aug-2008	16-Apr-2010 (Mod)
New Jersey DOT	19-Jun-2008	8-Jul-2008
Penn DOT	----	----
VDOT	26-Jun-2008	going thru PBS& J contract
<b>Other Coalition Members</b>		
Florida DOT	7-Jun-2010	7-Jun-2010
New Jersey Turnpike	12-Jan-2009	covered by NJDOT
South Carolina DOT	22-Jan-2009	14-July-2010 (Mod)

# INRIX Contract Update

- Contract with INRIX was extended for 3 years
  - “Years 4, 5 and 6” – July 2011 through June 2014
  - Freeways
    - Mobilization fees waived for new miles
    - Annual Data Fees – still \$750/mile/year
  - Current “donated arterials” (~900+ miles) – still donated
  - Arterials - 25% add-on option to freeway mileage
    - Any arterials covered (up to freeway mileage covered in state/region) for 25% of freeway coverage price
    - If all “freeways” covered – ALL arterials in state/region provided for 25% of total freeway coverage price
    - “As is” data quality – not subject to contract quality penalties
  - Ramps – Donated, subject to following:
    - Where TMC coverage is available and INRIX reports
    - Where both roads in interchange are under contract for coverage
    - “As is” data quality – not subject to contract quality penalties

# Agency Questions and Updates

# Questions for the Project Team

# Participation in Meetings/Conferences

*Karen Jehanian*

# Upcoming Meetings of Interest

- Upcoming Meetings

- [TRB Annual Meeting](#), Washington DC – January 23 – 27, 2011
- [I-95 CC Travel Information Services Program Track Committee Meeting/Webcast](#) – March 9, 2011 – 10 am to 3 pm at NJTPA in Newark, New Jersey – “[Save the Date](#)” this week
- [ITE Meetings](#)  
(2011 Technical Conference & Exhibit, April 3–6, 2011, Lake Buena Vista, FL)  
(2011 Annual Meeting & Exhibit, August 13-16, 2011, St. Louis, MO)
- [TRB – 4<sup>th</sup> International Transportation Systems Performance Measurement Conference](#) – May 18 – 20, 2011
- [2011 ITS World Congress, Orlando, FL](#) – October 16 – 20, 2011

# Participation in Meetings/Conferences/Papers

	Title	Paper	Presentation	Primary Author	Additional Authors	Notes
1	VPP Update at Data for Transportation Operations Subcommittee, AHB10(3)		TRB 2011	Stan Young		Date: Jan 24 2011, 1:30PM- 3:15PM Location: Marriott Sponsored By: Regional Transportation Systems Management and Operations (AHB10)
2	Challenges to Effective Arterial Traffic Monitoring: Lessons from the I-95 Corridor Coalition's Vehicle Probe Project	ITSWC		Stan Young	Karen Jehanian, KMJ Consulting, Inc., George Schoener, I-95 Corridor Coalition	
3	ITS Solutions and Performance Measures	ITSWC	ITSWC	Michael Pack		
4	VPP Benefits to Agencies	ITSWC/ITE Journal	ITSWC	Karen Jehanian		This is not a 12-page paper
5	Challenges of Arterial Traffic Monitoring – Lessons Learned from the I95 Vehicle Probe Project - 1157	ITE 2011 Tech Conf/Annual Mtg.		Stan Young		Submitted for both meetings
6	Commercial Traffic Data, Is it worth paying for? -- Objective Quality Assessment of the I95 Vehicle Probe Project - 1158	ITE 2011 Tech Conf/Annual Mtg.		Stan Young		Submitted for both meetings

# **Review of Action Items from this Webcast**

# Selection of Date for Next Project Team Meeting

*Wednesday, February 23, 2011*

*10:30 AM*

*(proposed)*

***All***

# Questions?

- Stan Young at 301-403-4593 or [seyoung@umd.edu](mailto:seyoung@umd.edu)
- Rick Schuman at 407-298-4346 or [rick@inrix.com](mailto:rick@inrix.com)
- Karen Jehanian at 610-228-0211 or [kjehanian@kmjinc.com](mailto:kjehanian@kmjinc.com)
- For contract expansion issues Kathy Frankle at 410-414-2925 or [kfrankle@umd.edu](mailto:kfrankle@umd.edu)

# Thank You



**I-95 CORRIDOR  
COALITION**