



Vehicle Probe Project Committee Monthly Status Webcast August 10, 2010 Minutes

Participants – see attached

Agenda

	Topic	Speaker
1	Introductions and Welcome	Bill Stoeckert
2	Review of Action Items from previous webcasts	Karen Jehanian
3	Communications Update	Karen Jehanian/Bill Stoeckert
4	INRIX Update	Rick Schuman
5	Data Validation Update (Including Initial Ramp Analysis and Arterial Data Quality)	Stan Young
6	Vehicle Probe Year 19 Update	Bill Stoeckert
7	Agency Spotlight: NJDOT	Jim Hadden
8	Agency Questions and Updates	All
9	Contract Update	Kathy Frankle
10	Review of Action Items from this call	Karen Jehanian
11	Selection of Date for Next Webcast	All

1. Introductions and Welcome

Bill Stoeckert opened the webcast at 10:30 a.m. by welcoming everyone and thanking those participating, both regularly attending agency members and the representatives of the participating MPOs. The following is a summary of the discussion. These meeting minutes, the webcast presentation (including NJDOT's presentation) and all Vehicle Probe Project (VPP) information are available at: <http://www.i95coalition.net/i95/Projects/ProjectDatabase/tabid/120/agentType/View/PropertyID/107/Default.aspx> (Most documents may be found on the 'Highlights' page).

2. Review of Action Items from previous webcasts

Karen Jehanian reviewed the action items from the previous Vehicle Probe Project Team webcasts and noted that they will be discussed during this webcast. She noted that Scott Silva (VDOT) had received an informational package outlining the Vehicle Probe 3-Year Plan and that individualized packages will be sent to most member agencies soon.



3. Communications Update

Karen Jehanian reviewed the correspondence sent to the project team and the website postings since the last webcast. She also noted that the Vehicle Probe Project is now available as the second “tab” on the I-95 Coalition website. Also available on the website is the updated Project Interface Guide. Karen stated that the VPP Regional Benefits Paper has also been posted under “General Information and Press”. She also reviewed the schedule of system integration and stated that any agency who would like to have a meeting with the VPP Management Team should contact Joanna Reagle at jreagle@kmjinc.com.

4. INRIX Update

Rick Schuman covered the following topics: Project Statistics, the Interface Guide Update and the Archive Data Gap. Rick began by presenting the basic statistics about the service availability in June and July 2010 (100%). He noted that as of August 6, 2010, use of the monitoring site grew to 380 users, primarily due to new FDOT users. The data feed participation has also increased to 43 (+1), and archive requests have increased to 420 (+41 since last report). Archive requests can be very specific and limited or very large in terms of time period and scope. In either case, the requests are counted individually regardless of the time and effort required to complete.

Rick stated that the Interface Guide has been updated to include new ramp TMC types in the TMC tables. It can be accessed through the Coalition website.

Rick let the members know that there was a lapse in the archived data on July 5, 2010, the Monday holiday, between 6:00 PM and 9:30 PM. Recovery of this data is being researched by INRIX. The University of Maryland has one-minute archives which can be used to reproduce the lapse, if necessary. Jim Hadden offered the archive data collected for the state of New Jersey.

5. Data Validation Update

Stan Young reviewed the Data Validation effort to date. He discussed the table titled “Data Validation Status” noting that the North Carolina report has been posted to the website. Due to logistics issues, the Virginia deployment will be rescheduled until sometime after the Pennsylvania deployment.

Stan reviewed the validation results for New Jersey (data collected from May 25, 2010 through June 2, 2010). The data was collected on I-287 and was hoped to include considerable congestion, as it was over the Memorial Day holiday. Despite the generally high level of traffic operations, over 120 hours of congestion data was obtained and all the data was within specification for data quality. This is especially noteworthy for New Jersey, as the lower speed bins have presented some difficulties. Stan noted that the cumulative data from the six validation efforts in New Jersey (Initial 2008, April 2009, June 2009, September 2009, October 2009 and /May 2010) are of a good quality and with improved results for both the average absolute speed error and speed error bias. He also reviewed the summary payment calculation and noted that an offset credit was earned. Rick Schuman added that a summary of all of the data validation efforts for the entire two-year period of the project will be coming in the next month.



A study of a ramp in New Jersey was also completed and was also found to operate with very little congestion over the study period. Only 1.5 hours of the data is below 45 mph. The Bluetooth sensors were placed to capture a ramp segment of a little less than a mile (0.85 miles). Comparison of the INRIX data to the Bluetooth may be indicative of abbreviated ramp distance – INRIX seemed to capture slower speeds faster than the ground truth data. Rick Schuman added that next month the data collected will include two ramps in New Jersey.

Note that arterial data has been donated by INRIX on over 900 miles in the core area. The committee has received a data packet and summary memo. Issues such as travel time for various traffic movements of an intersection were discussed by the committee during a conference call/webcast held on July 13, 2010. A white paper is planned for review by the committee. Recommendations will be forwarded to the Project Team.

6. Vehicle Probe Project Year 19 Update

Bill Stoeckert began by stating that the Executive Board has given the direction to move forward with the 505/50% funding core coverage option. The Coalition has begun distributing Year 19 commitment requests. The first package was sent to VDOT. The package includes a participation form, fact sheet, cover letter and in some cases a coverage map. The participation form is requested by October 1, 2010 (submit to Kathy Frankle) and contracts need to be in place by July 1, 2010. Bill will be following up after receipt of the Year 19 Update information. Jim Hadden asked if the costs would be close to those presented in the Cost Distribution table. Bill replied that yes, the costs will not be changed from the costs presented.

7. Agency Spotlight: New Jersey Department of Transportation, 'Use of the Vehicle Probe Project data'

Jim Hadden presented NJDOT's new Data Fusion Engine. It is used by NJDOT to determine which data source will be used to calculate travel times based upon business rules set for each agency within the state. INRIX is one of the top resources of data for both NJDOT and NJ Turnpike Authority. In addition, where available, TRANSMIT, as well as ASTI Construction Zone readers, are used when available for a specific highway. The Data Fusion Engine is also designed with an open architecture so that additional sources of TT data can be added should they become available in the future. The data is used to populate travel times on 511 (web and phone), My 511NJ personalized services (planned in the fall), DMS boards (planned in Summary 2011) and in an event playback tool.

The 511 webpage includes "widgets" to present information on construction activities, incidents, detours, etc. Each widget has an API, and can therefore be imported to the users preferred home page. (The APIs will be available this fall.) "Mega Projects", or large construction projects, have pull down menus for travel time from exit to exit. For the I-295 Mega Project, the primary source of data (radar-ASTI) is chosen through the Data Fusion Engine (but other sources like INRIX are used to populate the travel times if/when ASTI is unavailable. There is also a fully functional interactive map widget to display construction activities, incidents, detours and travel time information. The 511 map is planned to be provided at the Ops Center. This new map will show both incidents and INRIX data. This will free up



more space on the video wall.)

Other widgets include a 511 “Shore Traffic” widget (this information is also available via phone). Express versus local lane information is available. Reverse trip information can also be accessed.

Later this fall, the Data Fusion Engine will provide 511 “Popular Drive Times.” The exact segment-to-segment travel times provided will be partly based on what is routinely requested on the 511 web and phone. Therefore, the “Popular Drive Times” information will be fairly dynamic. Also, the Data Fusion Engine will drive “My 511NJ” alerts via email or text message to include travel times for a specified trip.

The 511NJ Travel Times Summary will be available on all platforms of 511 “Mega Projects” (web), “Shore Traffic” (web and phone), “Popular Drive Times” (web and phone), and “My 511 NJ Alerts” (where data is available per requested trip).

The Data Fusion Playback Tool allows study of the archived data for secondary impacts on adjacent roadways when an incident occurs. NJDOT has asked vendors to merge INRIX data with accident records and incident databases to identify performance measures.

Jim was asked if NJ was having funding difficulties to keep the 511 efforts on track. Jim replied that yes, there have been some difficulties reflective of the times.

8. Agency Questions and Updates

No additional questions were asked by the group.

9. Contract Update

Kathy Frankle noted that MdSHA/MdTA should have their contract expansion by September 1, 2010. New Jersey Transit is in the process of completing a DUA. The Philadelphia Police has executed a DUA as of July 15, 2010. The Richmond, Virginia MPO expressed interest.

10. Review of Actions Items

No action items were generated from the call.

11. Date for Next Meeting

A date for the next meeting was proposed and reviewed by the participants. All agreed that **Wednesday, September 22, 2010 at 10:30 a.m.** was acceptable. Any questions in the meantime should be directed to:

- Bill Stoeckert at 774.207.0367 or wstoeckert@yahoo.com
- Stan Young at 301.403.4593 or seyoung@umd.edu
- Rick Schuman at 407.298.4346 or rick@inrix.com
- Jeff Summerson at i95Support@inrix.com for questions or comments regarding the monitoring site
- Contract issues should be directed to Kathy Frankle at kfrankle@umd.edu

Mr. Stoeckert thanked the Committee members for their time and valuable input. The conference call was adjourned at 11:45 PM.



**Minutes
Vehicle Probe Project Committee
Webcast/Conference Call
June 30, 2010**

PARTICIPANTS

I-95 Corridor Coalition:
Bill Stoeckert

Vehicle Probe Project Webcast Attendees:	
Glenn McLaughlin	Maryland SHA/CHART
Andrew Meese, Wenjing Pu	MWCOG
Jim Hadden, Sue Catlett	New Jersey DOT
JoAnn Oerter	North Carolina DOT
Mary Ameen, Anson Gock, Keith Miller	North Jersey Transportation Planning Authority, Inc.
Alex Karman	South Western Regional Planning Agency
Scott Silva, Scott Cowherd	Virginia DOT
Stan Young, Kathy Frankle	University of Maryland
Rick Schuman, Jeff Summerson, Pete Costello	INRIX
Bob Pento, Jay Sengoz	Pennsylvania DOT
Gene Glotzbach	Florida DOT
Rexy William	New York State DOT
Phil Tarnoff	Consultant
Vehicle Probe Committee Members – Not in Attendance	
Delaware DOT, South Carolina DOT	

Consultant Support Staff:
Karen Jehanian, Joanna Reagle, Marie Pantalone KMJ Consulting, Inc.