



Vehicle Probe Project Committee Monthly Status Webcast March 16, 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	Stan Young
6	Ramp Analysis Update	Stan Young
7	Vehicle Probe 3-Year Plan Proposal	Bill Stoeckert
8	Year 17 Project : Travel Time on Message Signs	Karen Jehanian
9	Agency Spotlight: Maryland's Use of VPP data for Travel Times on Signs	Rick Dye
10	Agency Questions and Updates	All
11	Contract Update	Kathy Frankle
12	Participation in Meetings/Conferences	Karen Jehanian
13	Review of Action Items from this call	Karen Jehanian
14	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. The following is a summary of the discussion. These meeting minutes and all Vehicle Probe Project (VPP) information is 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 briefly reviewed the action items from the February webcast and noted that outstanding action items from the previous webcast will be addressed later during this webcast.

3. Communications Update

Karen Jehanian reviewed the correspondence sent to the project team and the website postings since the last webcast. She reviewed the schedule of system integration meetings noting that meetings are currently being scheduled with Pennsylvania DOT, Georgia DOT, and Virginia DOT.



4. **INRIX Update**

Rick Schuman covered the following topics: Project Statistics, System/Service Upgrades, and a Coverage Update on Tunnels. Rick began by presenting the basic statistics about the service availability through February 2010 (Jan. 2010 – 100%, Feb 2010 – 99.95%), individual account/users, and the archive requests through March 2, 2010. Rick also discussed an update to the map and TMC codes. He stated that the map update (from TA version “0810” – Oct ‘08 – to TA version “0909” – Sept ‘09) is expected to occur April 7, 2010. The TMC version will be updated from 3.4 to 3.6. Rick stated that the new version (V3.6) fills in approximately 20 of the 30 miles of remaining NC freeway gaps. He noted that this update also adds 145 TMC codes while dropping 45 TMCs (there are more than 10,000 TMC codes currently used in the project). Rick explained that when the previous map update was made in May 2009 the new logical groupings of TMC codes – “TMC Sets” -- were modified so the old TMC codes/sets and the new TMC codes/sets both were accessible. However this update is going to be different with TMC codes changes occurring within the existing TMC Sets – to reduce the number of TMC Sets being managed and the simplify archive access. Minor changes will be made to some TMC Sets as part of the update. Jeff Summerson has been in contact with API users regarding this change. Any questions by agencies should be directed to Jeff at INRIX.

Finally, Rick discussed the recent addition of coverage for some tunnels. He noted that a fusion upgrade last month included a process enhancement that should help cover tunnels including two tunnels in the Baltimore area (the Fort McHenry Tunnel and Baltimore Harbor Tunnel). These tunnels will be added with the map update.

Post Meeting Note: INRIX has delayed the release of the map update from April 7th. They will contact VPP users when a new implementation date has been determined.

5. **Data Validation Update**

Stan Young reviewed the Data Validation effort to date. He discussed the table entitled “Data Validation Status” noting that UMD is preparing for their next deployment in North Carolina.

Stan reviewed the validation results for Pennsylvania (data collected from January 6, 2010 through January 20, 2010). He noted that the probe data were within specification for both the absolute average speed error and speed error bias in all speed bins. He also reviewed the summary payment calculation which is 100%.

Stan explained that they are tracking the increase in real-time data. Specifically, they have tracked data for Maryland from October 2008 through December 2009. He reviewed the findings which show an increase in the percent of time that real-time data is available (confidence score is 30) during both the daytime and evening periods.

Stan discussed some of the issues that have been identified for arterials during the validation effort. They include: speed limited to less than 45 MPH, limited volume on roadways, bi-modal distribution due to delays encountered at traffic signals, and a higher variance in speed which makes filtering challenging. He also reviewed a sampling of arterial data from Pennsylvania and Virginia. Stan presented suggestions for modifying the validation process for arterials and asked for input from the Project Team. It was decided that a separate call would be conducted for to include agency members interested in this topic. Persons interested in the arterial analysis/validation, were asked to contact Joanna Reagle at jreagle@kmjinc.com



and include the names and contact information of other persons within their agency who would be interested in participating.

6. Ramp Analysis Update

Stan Young provided an update on the ramp analysis effort. The Management Team has been working with NJDOT to determine ramp locations for further study. The team will be selecting three locations to include in the validation effort.

7. Vehicle Probe 3-Year Plan Proposal

Bill Stoeckert began the presentation of the three-year plan for the Vehicle Probe project by explaining that the Coalition's Executive Leadership Committee requested that each Program Track develop a three-year plan for each major project (which includes the Vehicle Probe Project). He also noted that a proposal will be submitted at the I-95 Corridor Coalition Executive Board Meeting on June 8, 2010. Bill reviewed the assumptions and the proposed coverage for the VPP 3-Year plan. He noted that the Coalition sees value in the data and would like to continue the Vehicle Probe Project with the following proposal:

- Continue Coalition support of the project and extend coverage corridor-wide from ME to FL based on original RFP maps
- Year 19 - \$4.2M - includes mobilization for new states, data collection and validation
- Years 20 and 21 - \$3.8M per year – includes data collection and validation

Bill Stoeckert also noted that they propose the following allocation for funding this project:

- Year 19 and beyond
 - 50% funding from Coalition
 - 50% funding from member agencies-existing core states and new states
- Formula for Year 19: State pays 50% of its individual state's costs (data, validation and mobilization); Coalition pays 50%+ I-95 only in non-participating states. It should be noted that non-participating states would not receive data.

Bill then reviewed the future applications and related projects. He also explained that they would like to receive input on this plan and that the next step in this process is to hold a webcast with the voting members of the Travel Information Program Track Committee (TISPTC). This webcast is scheduled for April 7, 2010 to discuss and gather input on the Program Track's 3-Year Plans (for VPP, ISN and Passenger Information Program). Bill stressed the importance of the VPP Team's participation in this call as they have experience with the VPP and may be able to offer information to other TISPTC members.

The VP Project team members on the call agreed with the proposal.

Note: An email was sent on March 18, 2010 inviting members to participate in the webcast on April 7, 2010 at 10:30am.

8. Year 17 Project : Travel Time on Message Signs

Karen Jehanian noted that the team is currently working on the Year 17 Project regarding Travel Time on Message Signs. She explained that the purpose of this project is to create a guide for using the Vehicle Probe data as a source for



developing and posting travel times on DMS/VMS. The first step in this project is to determine the current state of the practice. Karen conducted several polls during the webcast requesting that agency members respond to assist in this initial step. The polling questions included:

- Do you have a policy regarding the posting of messages on signs?
- Do you have a standard set of travel time messages for use on DMS/VMS?
- What technologies do you use as the source of your travel time data?
- Do you intend to use vehicle probe data for the purpose of reporting travel time in the future?

9. Agency Spotlight: Maryland's Use of VPP data for Travel Times on Signs

Rick Dye, the CHART Systems Administrator at the Maryland State Highway Administration, presented a detailed look at Maryland's use of the Vehicle Probe Project data on their travel time signs. Rick explained that MdSHA had planned to put travel times on DMS as early as 2007 and that the Vehicle Probe Project enabled them to accelerate their efforts. Rick reviewed the assumptions made by MdSHA regarding the data that would be available, how they would post it, and what restrictions would be made for the automated postings. Next, he reviewed the timeline for the project – from 12/2007 through the implementation of the project. He explained what the operators could see and how they could use the data. Finally, he reviewed their experience so far with the data including:

- CHART is very happy with how well the software and data have worked and they are working to get additional coverage.
- The C-Score (10 – 20 – 30) appears to be working well but they would like further study with some of the data. They are interested in learning more about the C-Value (1 to 100) for future implementation.
- Their connection with INRIX has been reliable but INRIX is looking into two drops for over 20 minutes that have occurred.
- The public seems mostly positive but there have been some concerns about the possibility that messages are unreasonably slowing traffic.

Note: Rick's full presentation may be found on the I-95 Corridor Coalition website at <http://www.i95coalition.net/i95/Projects/ProjectDatabase/tabid/120/agentType/View/PropertyID/107/Default.aspx> (with the meeting minutes on the 'Highlights' page).

10. Agency Questions and Updates

Scott Silva provided the Project Team with an update on Virginia DOT's efforts using the Vehicle Probe Project data. Scott explained that they are currently using the VPP/INRIX data for VDOT's Tyson's Corner Traveler Information Displays (part of the SafeTrip-21 initiative). In addition, he explained that their TOC operators use the data in RITIS (or on the Coalition's website) to monitor traffic conditions and they hope to integrate the data into their TMC Software. He also noted that they are feeding the data into RITIS (a Regional data base for traveler information) and their Megaproject construction staff use the data to monitor construction impacts on a daily basis.

11. Contract Update

Kathy Frankle noted that there have been no additional DUAs signed in the last month. Kathy noted that they are working on expansions with the following agencies: Maryland SHA/MdTA, North Carolina DOT, and Florida DOT.



12. Participation in Meetings/Conferences

Karen Jehanian explained that presentations on the Vehicle Probe Project will be made during the 2010 Annual Meeting of the Mid-Colonial District of ITE on Thursday, April 29, 2010 at 1:45 p.m. in Newark, DE. Bill Stoeckert, Stan Young, Rick Dye, and Stacy Unholz will be making presentations during this session. Karen also noted that the VPP would be discussed during the NATMEC conference in Seattle, Washington, as part of the “Use of Public/Private Sector Data: Challenges, Successes, and Opportunities” on Thursday, June 24, 2010, from 8:30 a.m. to 10:00 a.m.

13. Review of Actions Items

#	Responsible Party	Action Items	Status
1	Agency Members	If you are interested in the Arterial analysis/validation effort for the VPP, please contact Joanna Reagle at jreagle@kmjinc.com . Include the names and contact information of persons in your agency who would be interested in participating.	
2	Bill Stoeckert	Provide Nathan Erlbaum with written information on the proposed 3-Year plan for the VPP	

14. Date for Next Meeting

A date for the next meeting was proposed and reviewed by the participants. All agreed that **Tuesday, April 20, 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 after noon.



**Minutes
Vehicle Probe Project Committee
Webcast/Conference Call
March 16, 2010**

PARTICIPANTS

I-95 Corridor Coalition:
Bill Stoeckert

Vehicle Probe Committee Webcast Attendees:	
Gene Glotzbach	Florida DOT
Hugh Colton, Ron Boodhoo	Georgia DOT
Rick Dye	MdSHA/CHART
Jim Hadden	New Jersey DOT
Nathan Erlbaum	New York State DOT
Jo Ann Oerter	North Carolina DOT
Dan Farley	Pennsylvania DOT
Mike Bowman, Tisha Dickerson	South Carolina DOT
Scott Silva, Melissa Lance	Virginia DOT
Kathy Frankle, Stan Young	University of Maryland
Rick Schuman, Pete Costello	INRIX
Brad Williamson, Jon Sorenson	PBS&J
Phil Tarnoff	Consultant
Vehicle Probe Committee Members – Not in Attendance	
Delaware DOT, FHWA	

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