What is the Vehicle Probe Project?

What is Available

- **Monitoring Site**
- **Data Feed** (real-time access for integration into applications)
- **Data Archive** (1-min archive)
- **VPP Suite (Performance Measures) and Archive** (real-time & historical tools for operations and planning)

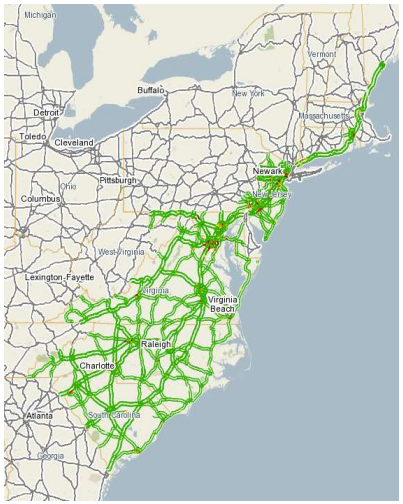
How it is Used

- **Operations Center** (Real-Time Traffic Monitoring)
- **TMC Software Integration**
- **Cross-border Incident & Traffic Monitoring**
- **Travel Times on**
  - **Signs**
  - **Websites**
  - **511 IVR**
  - **Traffic Tile Overlay on 511 Site**

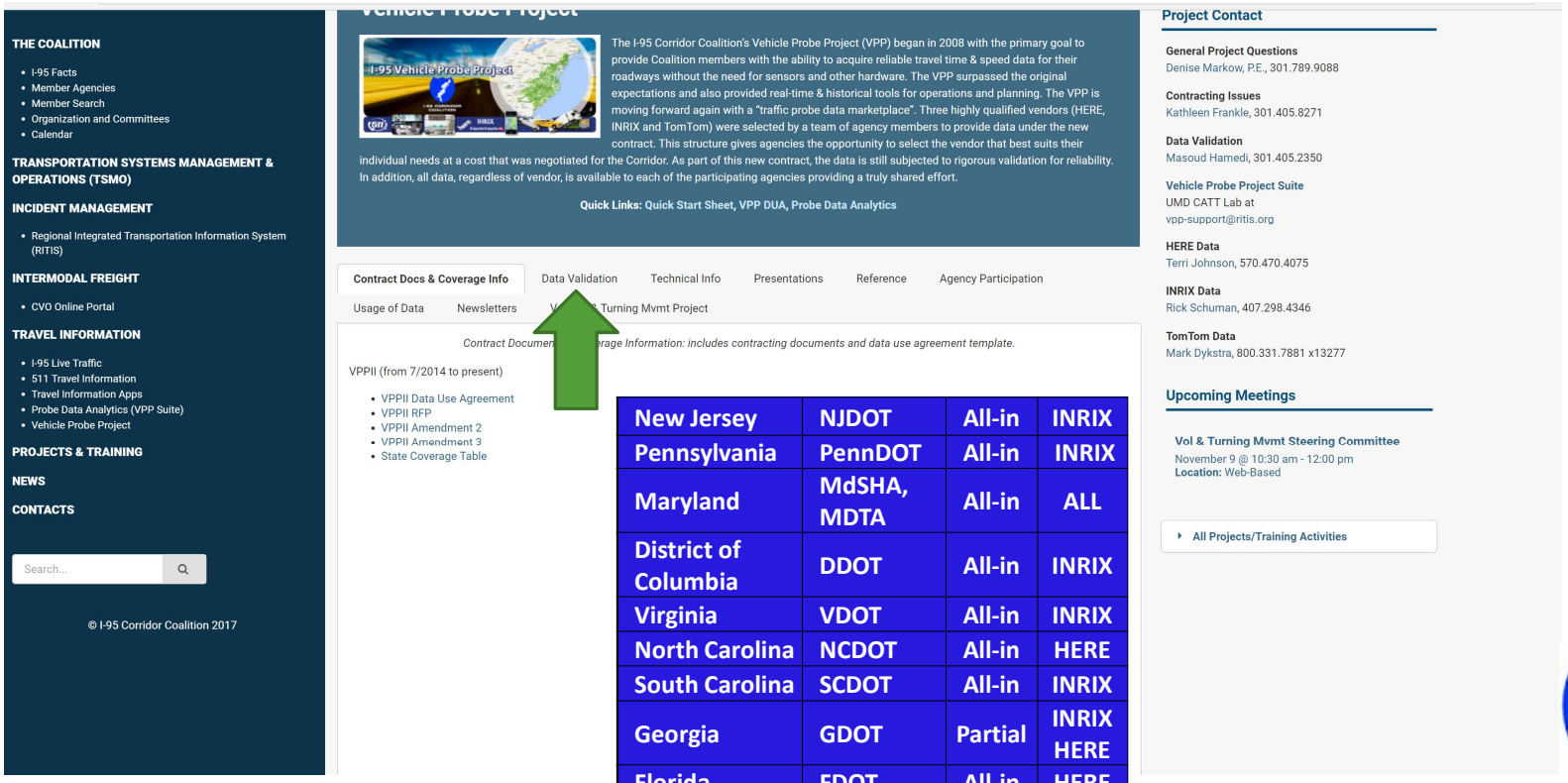
A Traffic Probe Data Marketplace for State Partners
Overseen by the I-95 Corridor Coalition and University of Maryland

"The VPP works with a "traffic probe data marketplace" first created in 2008. Three highly qualified vendors (HERE, INRIX and TomTom) were selected by a team of agency members to provide data to agencies at a cost that was negotiated by the Corridor. The data is subjected to rigorous validation for reliability. In addition, all data, regardless of vendor, is available to each of the participating agencies providing a truly shared effort."

"The use of the marketplace results in a savings of 55 - 62% per lane mile from free market pricing" depending on vendor.



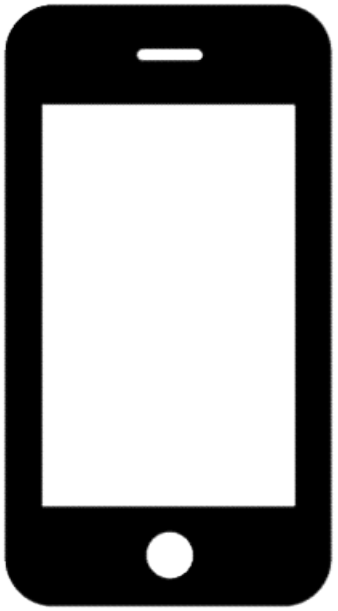
Data Validation – who is involved in data validation . . .



New Jersey	NJDOT	All-in	INRIX
Pennsylvania	PennDOT	All-in	INRIX
Maryland	MdSHA, MDTA	All-in	ALL
District of Columbia	DDOT	All-in	INRIX
Virginia	VDOT	All-in	INRIX
North Carolina	NCDOT	All-in	HERE
South Carolina	SCDOT	All-in	INRIX
Georgia	GDOT	Partial	INRIX HERE
Florida	FDOT	All-in	HERE

Starting Year 4 of Phase 2, does the program need an upgrade?

OR



Do we add more choices to the pot to validate?

- Arterials
- Managed Lanes
- Reversible Lanes
- Tunnels
- Bridges

Here is the step process of the Data Validation Program

We need State locations defined in order to start.	Deployment Planning
Traffax sets out sensors & collects data	Bluetooth Data Collection
Data is sent to UMD for processing	Bluetooth Data Processing
Probe Vendors provide data to UMD	Probe Data Processing
UMD publishes the final report	Report Production

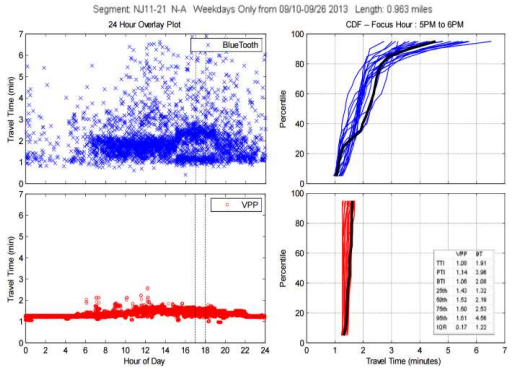


Figure 12. 24 hour overlay plot and CDF graph from 5PM to 6PM on segment NJ11-

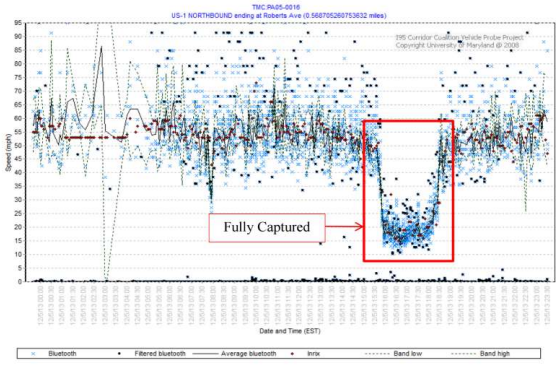


Figure 4. An example of a fully captured slowdown

Let's discuss next steps for this program

- ✓ Facilities
- ✓ Latency
- ✓ Process
- ✓ Expectations
- ✓ Contracting