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

Procuring Travel Times & Speeds throughout the Corridor Using Probe Technology from Agency selected vendors

The I-95 Corridor Coalition's Vehicle Probe Project (VPP) began in 2008 with the primary goal to provide Coalition members with the ability to acquire reliable travel time & speed data for their roadways without the need for sensors and other hardware. The VPP surpassed the original expectations and also provided real-time & historical tools for operations and planning.

The VPP is moving forward again with a "traffic probe data marketplace". Three highly qualified vendors (HERE, INRIX and TomTom) were selected by a team of agency members to provide data under the new contract. This structure gives agencies the opportunity to select the vendor that best suits their individual needs at a cost that was negotiated for the Corridor. As part of this new contract, the data is still 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.

Currently, 10 of the 16 states in the Corridor Coalition are receiving and using real-time data as the source for their ATIS (511, websites and other systems), provide travel times statewide and comply with the requirements of 23 CFR 511 and forthcoming MAP-21. Coverage exists in part of the NE and is continuous from New Jersey to Georgia.

Based on June 2014 coverage

5,200+ Centerline Freeway Miles
25,500+ Arterial Miles

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)

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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**

VPPII Vendors

For HERE, contact Terri Johnson at 570-470-4075 or terri.johnson@here.com

For INRIX, contact Rick Schuman at 407-298-4346 or rick@inrix.com

For TomTom, contact Mark Dykstra at 800.331.7881 x13277 or mark.dykstra@tomtom.com

**For more information on this project contact George Schoener at geschoener@comcast.net**

Performance Measures Tools
for analyzing and presenting Archived Operations Data

Agency Uses of VPP for Planning and Operations

State DOTs, MPOs and other organizations now do more and enhanced analysis because of the VPP. The **VPP Suite** has made developing effective, easy-to-understand graphics, charts and performance measure data summaries *a snap*, saving substantial time, effort and taxpayer dollars. Below are just a few of the many examples (and benefits) of how VPP Suite outputs are being used today.

| Rank	Location	Average duration	Average max length (miles)	Occurrences	Impact factor
3	I-495 CW @ AMERICAN LEGION BRIDGE	3 h 28 m	5.15	193	206,571
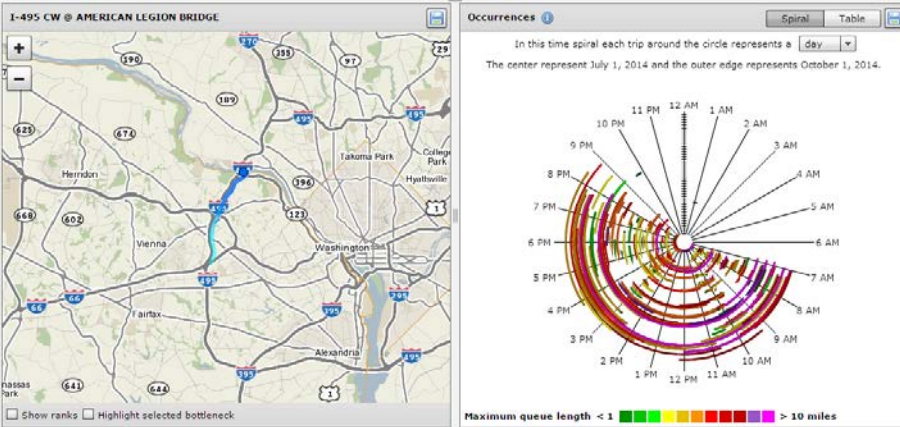
MWCOG (DC)

The MPO has used the VPP Suite tools to track and analyze the top 10 bottlenecks. This information was included in its quarterly updated Congestion Dashboard (www.mwcog.org/congestion) and the Congestion Management Process (CMP).

Benefits

- Intuitive visualization
- Information-rich
- Can be used as a basis for bottleneck mitigation studies
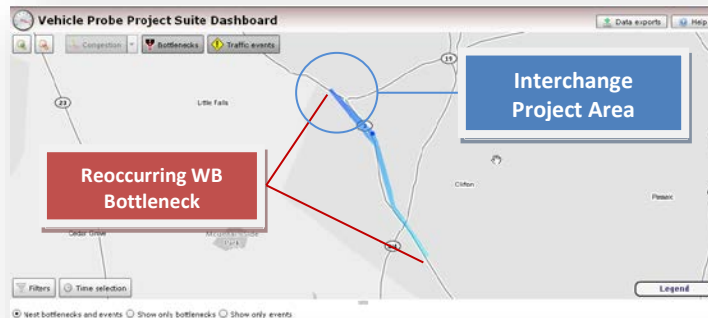
The **VPP Suite Dashboard** was used to identify **bottleneck conditions** on NJ Route 3 within the Interchange Project Area.

NJDOT

The Department has used the VPP Suite tools to identify areas of congestion. A Bottleneck and Congestion Scan Analysis was assembled for the **Route 3/46 project** to help confirm congested conditions and existing project intent.

Benefits

- Easy to generate the data
- Easy to assemble a summary
- Clear, concise graphics
- Substantial time savings for planners
- Supported the project intent (elimination of WB bottleneck)
- Can be used to develop Before & After Studies

The **VPP Suite Dashboard** was used to identify **bottleneck conditions** on NJ Route 3 within the Interchange Project Area.