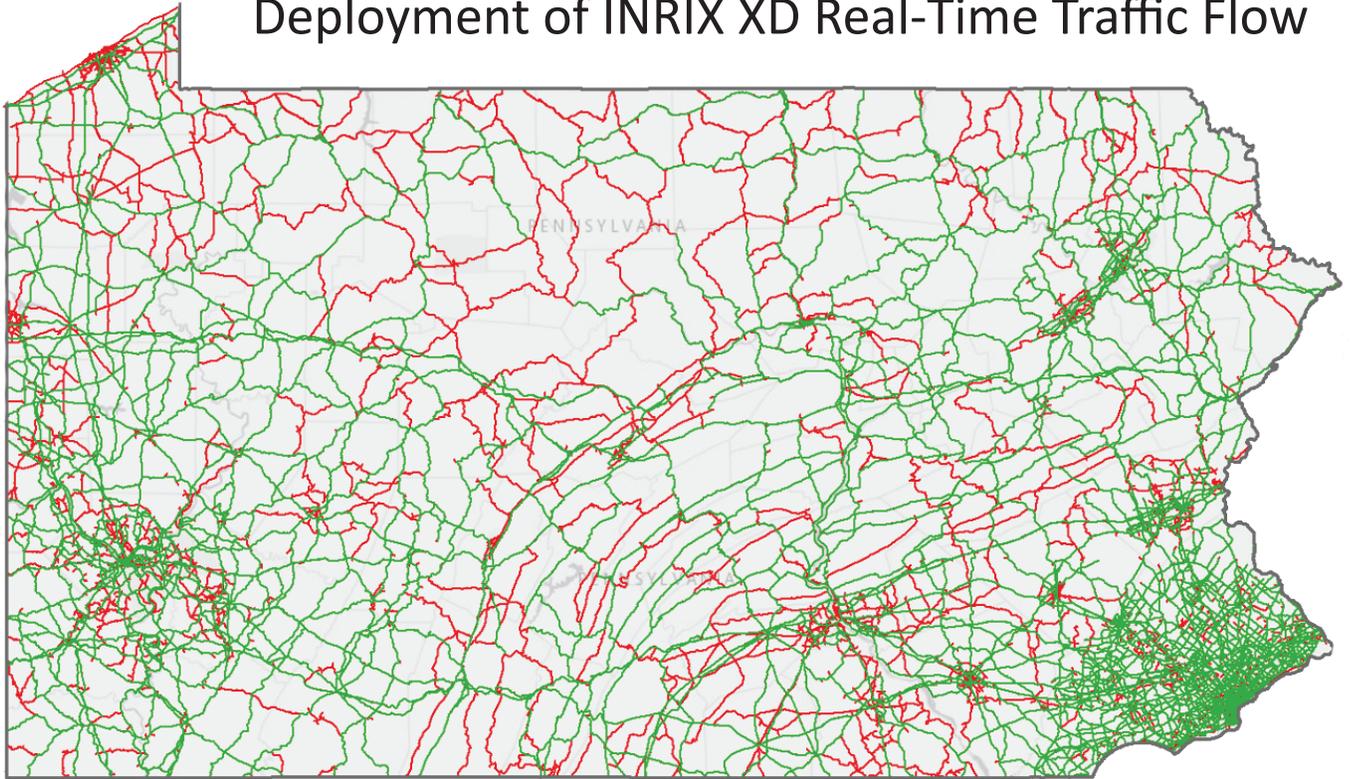


Pennsylvania Goes “Statewide” with the Largest Deployment of INRIX XD Real-Time Traffic Flow



INRIX coverage in Pennsylvania. TMC coverage is shown in green while the additional XD coverage is shown in red. XD coverage adds over 15,000 centerline miles, a 50% increase over TMC coverage.

XD coverage in Pennsylvania includes over 40,000 miles of roadway, a 50% increase from TMC coverage that only INRIX offers

BACKGROUND

With a complete statewide focus, the Pennsylvania Department of Transportation (PennDOT) is among national leaders in transportation systems management. It directly manages one of the largest state highway systems in the country, comprised of more than 40,000 miles of state roadways and over 2,000 miles of interstates and freeways. Additionally, on critical state highway corridors, PennDOT’s Municipal Signal Partnership Program, “Green Light-Go,” has recently been established to provide dedicated funding for signal operation and maintenance.

BACKGROUND

PennDOT and its municipal partners rely on consistent statewide data. The challenge was in acquiring high quality, real-time and cost-effective speed and travel time

INRIX provides a single consistent data source to support PennDOT's Transportation Systems Management & Operations activities and its Green Light-Go programs

data across the diversity of rural and urban roadways within PennDOT's jurisdiction. PennDOT's effectiveness requires data that provides not only consistent visibility, but also visibility at a level of granularity capable of pinpointing incidents and assisting management and response efforts on the bridges and tunnels that serve Pennsylvania's congested urban centers.

SOLUTION

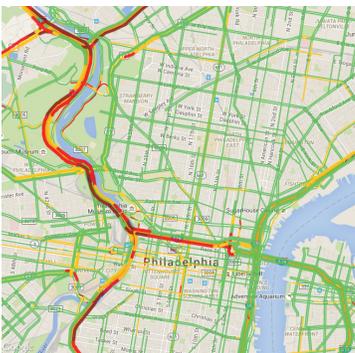
PennDOT has relied on INRIX data in Philadelphia, Pittsburgh and Harrisburg since 2008 to support PennDOT's 511PA travel information programs including a website, mobile app and interactive phone service. In May of 2015, as a member of the I-95 Corridor Coalition's Vehicle Probe Project, PennDOT expanded its real-time coverage by acquiring INRIX XD Real-Time Traffic Flow data for the entire state. Compared to traditional TMC coverage, the INRIX XD network increased PennDOT's visibility into critical roads and state highways by providing an additional 50% coverage across the state. With over 40,000 miles of coverage statewide, PennDOT has the most expansive real-time coverage of any state in United States.

INRIX technologies and services include:

- INRIX XD Real-Time Traffic Flow including travel times and speeds
- INRIX XD Real-Time Traffic Map Tiles
- INRIX XD Traffic Monitoring Site for use across PennDOT Districts statewide
- INRIX Insights Performance Measures and INRIX Insights Speed Archive data (as a part of VPP suite)

RESULTS

- Enhanced travel times precision on dynamic message signs statewide (350 estimated to be deployed in phases between 2015 and 2016, with 100 signs active as of September 2015)
- Improved incident detection with 100-meter precision across 40,000 miles of key roadways statewide (available via the XD Monitoring Site)
- Expanded 511PA, mobile apps and interactive phone services to provide information across the XD network statewide
- Integrated statewide performance assessment and reporting



▲ ABOVE

The INRIX XD Real-Time Traffic coverage for Philadelphia when deployed in late September, 2015
source: INRIX XD Traffic Monitoring Site

▼ BELOW

TMC coverage for Philadelphia
source: www.511pa.com

