6A: Data Approach to Highway Safety

**Moderator:** Gary Modi, PE, Pennsylvania Department of Transportation

- **Sharing Crash Data with the Public—PCIT (Pennsylvania Crash Information Tool),** Layton P. Brush, Pennsylvania Department of Transportation

- **DDACTS (Data-driven Approach to Crime and Traffic Safety) – Philadelphia Experience and Beyond,** Ryan McNary, Pennsylvania Department of Transportation

  Discussion will highlight the current data driven successes and future initiatives of the Philadelphia Police Department’s DDACTS enforcement techniques. Topics will also be covering the Pennsylvania Highway Safety Office’s goal for DDACTS state wide, the connection municipal/rural planning organizations can have with DDACTS trained police departments, and the human geography component of the DDACTS model.

- **Using Data to Get Best Return on Your Safety Investments,** Gary Modi, PE, Pennsylvania Department of Transportation

**Bios:**

**Gary Modi** is chief of the Safety Management Division in the Bureau of Highway Safety and Traffic Engineering at PennDOT. He has more than 40 years of engineering and executive management experience. He is a member of the AASHTO Safety Sub-Committee, the TRB Safety Committee and the Highway Safety Manual Task Force, and the NCHRP 17-18 and 17-36 panels. He has won numerous awards: 2003 AASHTO Pathfinder Award, the 2007 Governors Highway Safety Association Peter K. O’Rourke Special Achievement Award for the Smooth Operator Program, and the 2009 National Roadway Safety Award.

**Layton P. Brush** is an information technology generalist in the Crash Information Systems and Analysis (CISA) Unit of the Bureau of Maintenance and Operations, Pennsylvania Department of Transportation. Layton has experience in the various aspects of the crash reporting process including detailed statistical analysis, to crash systems end user support. Layton has an interest in making crash data more available to the public while keeping the department’s best interests in mind. Layton has a B.S. in Communications Media with a minor in Safety Sciences.

**Ryan McNary** is an assistant manager in Pennsylvania’s Highway Safety Office within PennDOT. He began work there in 2007 and currently oversees ~3.5 million dollars in highway safety funding for statewide concerns and regional issues in the counties that encompass PennDOT District 6. Activity under those agreements varies from Philadelphia specific highway safety projects (i.e. Roosevelt Boulevard, pedestrian safety, impaired driving) to the statewide improvement of electronic crash reporting methods, and technical assistance for Pennsylvania’s traffic prosecutors. In addition to these projects, Ryan coordinates Pennsylvania’s DDACTS program and Motor Carrier Safety Advisory Committee (MCSAC). Under his role as DDACTS Coordinator, he has attended or helped implement multiple workshops throughout the state, training approximately 30 police departments. Ryan has a degree in geography and planning from West Chester University of Pennsylvania.