The AASHTO Research Advisory Committee (RAC) has selected their top Sweet 16 High Value Research projects for 2015 (see below), and the IDOT/ICT project **Development of a Traffic Incident Management Operational and Training Guide - Phase II** was selected as a winning project for Region 3! As a result of this vote, IDOT will be recognized at the AASHTO RAC national meeting in July as well as at the AASHTO Annual Meeting in September. This project will also be part of the Sweet 16 High Value Research poster session at the 2016 annual Transportation Research Board meeting next January.

Congratulations to everyone who has been involved in this project. A special thanks to the collaborators listed below for the hard work and dedication it took to produce and implement research results that are truly useful!

Technical Review Panel: Geno Koehler (chair), Jeffrey Abel, Kyle Armstrong, Stephen Brink, Julia Fox, Teresa Haley, Bruce Hucker, Kevin Price, Brad Risinger, Aaron Weatherholt (IDOT); Robin Helmerichs and Alan Ho (FHWA); Larry Matkaitis and Jim Watts (Office of IL Fire Marshall); Brad Carnduff, Jay Keeven and Brad Sprauge (Illinois State Police); John Benda and Steve Musser (Tollway); and Bill Howard and Joe Pedigo (Towing and Recovery Industry),

Research Team: Ryan Fries - Southern Illinois University at Edwardsville and Huaguo Zhou - Auburn University (Principal Investigators), SIUe professor Yu Ling Yiu and SIUe students Michael Williamson, Yuhui Qu, and Patrick Gu.

We are especially pleased to share that IDOT projects have been selected as Sweet 16 High Value Research projects for 4 for past 5 years.

2013: Best Practices for Implementation of Tack Coat: PART I - Laboratory Study and PART 2 - Field Study

2012: An Expert Systems Approach to Highway Construction Scheduling

2011: Evaluation of 3-D Laser Scanning for Construction Application

2010: Speed Photo-Radar Enforcement Evaluation in Illinois Work Zones

To see all past High Value and Sweet 16 projects, please visit the High Value Research Projects page on the AASHTO RAC website. If you would like additional information on any of the High Value Research projects, please contact IDOT's Technical Research Coordinator, Megan Swanson.

2015 AASHTO Research Advisory Committee
Sweet Sixteen
High Value Research Projects

REGION 1	**Trip Generation Data Collection in Urban Areas**	District of Columbia DOT
REGION 1	**Highway Safety Manual Local Calibration for Rural 2-Lane Roads and Intersections**	Maine DOT
REGION 1	**Effective Implementation of Ground Penetrating Radar (GPR) for Condition Assessment & Monitoring of Critical Infrastructure Components of Bridges and Highways**	Maryland State Highway Administration
REGION 1	**Rumble Strip Installation on Thin Pavement Overlays**	Pennsylvania DOT
REGION 2	**Comparative Testing of Radiographic, Ultrasonic, and Phase Array Advanced Ultrasonic Testing**	Florida DOT
REGION 2	**Improvements to NCDOT's Wetland Prediction Model**	North Carolina DOT
REGION 2	**Improving Freight Crash Incident Management**	Louisiana DOTD
REGION 2	**I-81 In-Place Pavement Recycling Project**	Virginia DOT
REGION 3	**Development of a Traffic Incident Management Operational and Training Guide - Phase II**	Illinois DOT
REGION 3	**Track-a-Plow**	Iowa DOT
REGION 3	**Safety Evaluation of the Diverging Diamond Interchanges (DDIs) in Missouri**	Missouri DOT
REGION 3	**Evaluation of EPOKE Bulk Spreader for Winter Maintenance**	Ohio DOT
REGION 4	**Development of a System for Remote Detection of Avalanches in High Risk Locations to Enhance Traveler Safety and Mobility**	Idaho DOT
REGION 4	**Operational Guidance for Bicycle-Specific Traffic Signals in the United States**	Oregon DOT
REGION 4	**Surface Treatments to Alleviate Crashes on Horizontal Curves**	Texas DOT
REGION 4	**Precast Bridge Girder Details for Improved Performance**	South Dakota DOT