



2017 Awards & Achievements

American Council of Engineering Companies (ACEC) of Indiana Engineering Excellence Award – State Finalist Award

Recipient: Indiana Height Modernization, Vincennes District

The American Council of Engineering Companies of Indiana recognizes outstanding engineering achievements based on uniqueness and originality, technical complexity, social and economic value, and public awareness.

This project, the first Height Modernization Project ever completed in Indiana, established elevations on benchmarks across the Vincennes District. This project improved access to accurate, reliable heights throughout the district by introducing 14 new GPS-Observable monuments into the National Geodetic Survey Internet Database, and established positions and ellipsoid heights on more than 20 benchmarks. The data is used to improve GPS surveying and will provide access to accurate, reliable, and consistent heights, improving critical vertical accuracies for a wide range of activities, including surveying, emergency management, agriculture, natural resource management, GIS, and more, while providing tremendous cost savings.

American Association of State Highway and Transportation Officials (AASHTO) Sweet 16 High Value Research Projects Award

Recipient: Safety and Cost Performance of Intersection Lighting

“Sweet Sixteen” state research projects are selected by the Research Advisory Committee of AASHTO. They comprise four high-value research projects from each of the four AASHTO regions.

Nationwide, about one-quarter of roadway travel occurs after dark and one-half of the roadway traffic fatalities occur at night. The nighttime traffic crash fatality rate is about three times the daytime traffic crash fatality rate. This research project, conducted by INDOT and the Joint Transportation Research Program, investigated the effects of lighting on crashes at Indiana intersections. Before and after field tests were conducted to verify in-service lighting performance, including light levels and uniformity. The project evaluated new lighting installations and existing systems retrofitted with solid state lighting, including LED.

American Association of State Highway and Transportation Officials (AASHTO) High Value Project Award

Recipient: TScan: Stationary LiDAR for Traffic and Safety Studies – Object Detection and Tracking

High Value Projects award winners are selected by the Research Advisory Committee of AASHTO. They comprise high-value research projects from each of the four AASHTO regions.

This research project, conducted by INDOT and the Joint Transportation Research Program, investigated the feasibility of using laser ranging surveying technology (specifically LiDAR), which measures distances by illuminating a target with laser light, to collect traffic data at road intersections, notably conflicts (“near misses” or “close calls”) as a measure of traffic safety operations and risk. The project used a LiDAR-based portable traffic scanner (TScan) to detect and track every item around an intersection, including various types of road users, such as trucks, cars, pedestrians, and bicyclists. The resulting trajectories of the moving objects are stored for future processing with engineering applications.

**Mid America Association of State Transportation Officials (MAASTO)
America's Transportation Awards**

Recipient: Ohio River Bridges – East End Crossing

The competition recognizes Midwestern transportation projects in three categories: Quality of Life/Community Development, Best Use of Technology and Innovation, and Operations Excellence.

The Ohio River Bridges – East End Crossing project won the Quality of Life/Community Development award in the large projects division, which is defined as projects costing \$200 million or more. The approximately \$760 million project, completed in December 2016, is increasing cross-river mobility in the Southern Indiana-Louisville metro area by improving safety, alleviating traffic congestion and connecting highways. The centerpiece of the East End Crossing is the Lewis and Clark Bridge, connecting the east end of Louisville to Southern Indiana. The overall Ohio River Bridges project is estimated to have an economic impact of more than \$87 billion on the region over the next 30 years.

**Mid America Association of State Transportation Officials (MAASTO)
America's Transportation Awards**

Recipient: U.S. 31 Hamilton County

The competition recognizes Midwestern transportation projects in three categories: Quality of Life/Community Development, Best Use of Technology and Innovation, and Operations Excellence.

The U.S. 31 Hamilton County project won the Operations Excellence award in the large projects division, defined as projects costing \$200 million or more. The \$350 million project, completed in the summer of 2016, upgraded 13 miles of existing U.S. 31 between I-465 in Carmel and S.R. 38 near Westfield, including 11 new interchanges. With these improvements, a total of 13 traffic signals have been removed from the segment.

**American Association of State Highway and Transportation Officials (AASHTO)
America's Transportation Awards – Top 12 Projects**

Recipient: Ohio River Bridges – East End Crossing

The America's Transportation Awards competition recognizes the greatest transportation projects accomplished each year by state departments of transportation. The competition recognizes transportation projects in three categories: Quality of Life/Community Development, Best Use of Technology and Innovation, and Operations Excellence.

The Ohio River Bridges – East End Crossing project was recognized in the Quality of Life/Community Development award in the large project division, defined as projects costing \$200 million or more. The approximately \$760 million project, completed in December 2016, is increasing cross-river mobility in the Southern Indiana-Louisville metro area by improving safety, alleviating traffic congestion and connecting highways. The centerpiece of the East End Crossing is the Lewis and Clark Bridge, connecting the east end of Louisville to Southern Indiana. The overall Ohio River Bridges project is estimated to have an economic impact of more than \$87 billion on the region over the next 30 years.

**American Association of State Highway and Transportation Officials (AASHTO)
TransComm Skills Contest**

Recipients: Employee Interactive Kiosks; Transportation Events

The Skills Contest is conducted annually by the AASHTO Subcommittee on Transportation Communication to recognize the outstanding work of its public-relations practitioners and promote an exchange of ideas. The contest is the premier communications competition in the transportation industry and the awards are a standard of public-relations excellence amongst state departments of transportation.

INDOT won second place in Graphic Design/Interactive Presentations for employee interactive kiosks and second place in the Transportation Events category for the December 2016 Ohio River Bridges – East End Crossing ribbon cutting and bridge dedication event.

National Council for Public-Private Partnerships (NCPPP)

National Public-Private Partnership Awards (NCPA)

Recipient: Ohio River Bridges – Lewis and Clark Bridge

The NCPA honors organizations and individuals that advance the concept and implementation of public-private partnerships (P3s) across the country. The NCPA recognizes outstanding projects and leaders in the area of P3s.

The Ohio River Bridges – Lewis and Clark Bridge, which is part of East End Crossing project, won the Outstanding Infrastructure Project award. The approximately \$760 million East End Crossing project, completed in December 2016, is increasing cross-river mobility in the Southern Indiana-Louisville metro area by improving safety, alleviating traffic congestion and connecting highways. The centerpiece of the East End Crossing is the Lewis and Clark Bridge, connecting the east end of Louisville to Southern Indiana. The overall Ohio River Bridges project is estimated to have an economic impact of more than \$87 billion on the region over the next 30 years.

Federal Highway Administration (FHWA)

2017 Environmental Excellence Award

Recipient: Louisville-Southern Indiana Ohio River Bridges Project

The FHWA's Environmental Excellence Award recognizes partners, projects and processes that protect and enhance the environment while meeting the transportation needs of expanding and evolving communities.

The Louisville-Southern Indiana Ohio River Bridges Project involved the construction of two new toll bridges over the Ohio River to address the long-term cross-river transportation needs in the Louisville-Southern Indiana region. The culmination of more than 40 years of planning and community involvement, the 2,114-foot-long Downtown Crossing Bridge and the 2,500-foot-long East End Crossing Bridge resulted in one of the largest bi-state transportation projects conducted by the states of Kentucky and Indiana, and one of the largest transportation improvement projects in the United States.

Intelligent Transportation Society (ITS) of the Midwest

ITS Midwest Project of the Year

Recipient: Ohio River Bridges

The ITS Midwest Project of the Year Award highlights major accomplishments public- and private-sector ITS members from Indiana, Illinois, Kentucky and Ohio have made over the past year.

The Louisville-Southern Indiana Ohio River Bridges Project involved the construction of two new toll bridges over the Ohio River to address the long-term cross-river transportation needs in the Louisville-Southern Indiana region. The culmination of more than 40 years of planning and community involvement, the 2,114-foot-long Downtown Crossing Bridge and the 2,500-foot-long East End Crossing Bridge resulted in one of the largest bi-state transportation projects conducted by the states of Kentucky and Indiana, and one of the largest transportation improvement projects in the United States.

Salt Institute

Safe and Sustainable Snowfighting Award

Recipients: INDOT subdistrict and maintenance units

The Salt Institute is a North American-based non-profit trade association dedicated to advancing the many benefits of salt, particularly to ensure winter roadway safety, quality water and healthy nutrition. The Safe and Sustainable Snowfighting Award recognizes environmental consciousness and effective management in the storage of winter road salt.

A total of 29 INDOT subdistrict and maintenance units were recognized: Albany, Alexandria, Aurora, Bluffton, Brownstown, Cambridge City, Chesterton, Crane, Dale, Falls City, Fort Wayne, Gary, Greensburg, Indianapolis, Lebanon, Linton, Logansport, Loogootee, Markle, Michigan City, Monticello, Paoli, Rensselaer, Sullivan, Tipton, Wabash, Westfield, Winchester and West Lafayette.