



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

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Michael R. Pence, Governor
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2011 Awards & Achievements

Bentley Systems, Inc.

2011 Be Inspired Bentley Awards

Bentley is the global leader dedicated to providing architects, engineers, constructors, and owner-operators with comprehensive architecture and engineering software solutions for sustaining infrastructure. The Bentley Be Inspired Award is given to organizations that demonstrate excellence in planning, engineering, analysis, and design of roads or highways in a mission to sustain transportation infrastructure.

- Award Year: 2011
- Recipient: Beam, Longest, and Neff (BLN) LLC
- Project Description: BLN received the top award in the Innovation in Roads category for the Interstate 69 at SR 61/56 interchange along the new I-69 corridor. BLN proposed a cost reduction initiative that flipped the layout so that SR 61/56 passed over I-69 instead of under. The innovative design provided significant cost savings in construction and reduced environmental impacts and was executed under INDOT's right-of-way restrictions and completion deadline.
- Website: [Bentley Systems, Inc.](http://www.bentley.com)

American Council of Engineering Companies of Illinois Engineering Excellence Award

The American Council of Engineering Companies of Illinois Engineering Excellence Awards Competition recognizes projects of engineering achievement by Illinois consulting engineering firms. Entries are judged on the basis of engineering excellence, the degree to which the client's needs are met, and the benefits to the public welfare and private practice of engineering.

- Award Year: 2011
- Recipient: INDOT and Jacobs Engineering Group Inc.
- Project Description: INDOT and Jacobs Engineering received the Engineering Excellence Award in the Merit Award-Building/Technology Systems category for the Borman Expressway Advanced Traffic Management System (ATMS) Backhaul Replacement Project. The project upgraded and expanded the existing Borman ATMS, which is part of TrafficWise, an Intelligent Transportation System implementation within the state of Indiana.
- Website: [ACEC](http://www.acec.org)

Indiana Geographic Information Council 2011 Excellence in GIS Award

The Excellence in GIS Award recognizes a user organization for creative and practical applications of GIS in Indiana and also recognizes a user organization that has recently pushed the envelope of GIS technology through the innovative development of a unique technology service or application to produce a new benefit stream for GIS users.

- Award Year: 2011
- Recipient: Kevin Munro and INDOT
- Project Description: INDOT developed a mechanism for evaluating the benefits of the Hoosier Helper Freeway Service Patrol Program using GIS. The "INDOT: Hoosier Helpers Evaluation" program graphically illustrates the impact on traffic and safety when Hoosier Helpers assistance is provided. Hoosier Helpers clear roadway incidents, provide traffic control, and assist motorists so that interstates operate as efficiently as possible. Benefits include the program's effect on air quality, fuel savings, and traveler delay. These benefits needed to be

continually modeled to maximize program effectiveness. By quantifying the value of the Hoosier Helper state program, INDOT is able to measure performance in terms that matter to all of us. The results of the analysis were used successfully in a bid for more than \$1 million in Federal Congestion Mitigation and Air Quality (CMAQ) funding for the Hoosier Helper program.

- Link for more information: <http://www.in.gov/indot/2408.htm>

Federal Highway Administration

Highways for LIFE

The FHWA Highways for LIFE program encourages the use of proven technologies and practices that are not yet widely used to quickly and efficiently improve safety, reduce congestion and create high-quality, long-lasting highways and bridges.

- Award Year: 2011
- Recipient: INDOT
- Project Description: INDOT received \$226,000 under the Highways for LIFE program to improve a section of SR 13 under the I-69 overpass in Madison County that has been hit by trucks several times due to the low clearance. Thinner precast concrete pavement will be used to allow a few more inches for clearance and will expedite construction and minimize traffic disruption.
- Website: [Federal Highway Administration](#)

Roads & Bridges Magazine

Top 10 Bridges

Roads & Bridges magazine is a national trade publication covering the North American transportation construction industry. *Roads & Bridges* provides engineers, contractors and government information on equipment, materials, technology and products. Each year, the *Roads & Bridges* magazine editorial staff determines the Top 10 projects in North America, based on project challenges, impact to region and scope of work.

- Award Year: 2011
- Recipient: INDOT & Kentucky Transportation Cabinet
- Project Description: The Milton-Madison bridge replacement project in southern Indiana was honored for its innovative construction plan, which will replace the structurally deficient bridge with a new truss superstructure on rehabilitated existing piers. Under the plan, the new superstructure will be constructed along the shoreline before it is lifted in sections onto temporary piers parallel to the existing bridge. The new structure will then be slid over onto the new strengthened piers. This innovative solution will result in only a 10-day closure of the bridge, rather than the year-long closure predicted using traditional construction techniques.
- Website: [Road & Bridges](#)

American Association of State Highway and Transportation Officials (AASHTO)

Performance Excellence Award

AASHTO is a nonprofit, nonpartisan association representing highway and transportation departments in the 50 states, the District of Columbia, and Puerto Rico. Its primary goal is to foster the development, operation, and maintenance of an integrated national transportation system. AASHTO, AAA, and the U.S. Chamber of Commerce sponsor the America's Transportation Awards competition, which recognizes outstanding transportation projects in three categories: On Time, Under Budget, and Innovative Management.

- Award Year: 2011
- Recipient: INDOT and its I-69 team
- Project Description: INDOT and the I-69 project team received the Performance Excellence Award from the AASHTO Standing Committee on Performance Excellence for development and implementation of a comprehensive program to improve the communications and project knowledge provided to affected property owners in the I-69 Section 4 project segment. The key element to improve communications and knowledge in Section 4 was to hold individual meetings – called Kitchen Table Meetings (KTMs) – with each affected property owner. The KTMs improved communication, provided owners with information about project work activities, schedules, and land acquisition, and helped INDOT gather information and ease geotechnical site work during the preliminary design phase.

National Council of Structural Engineers Associations (NCSEA) Excellence in Structural Engineering Award

The NCSEA Excellence in Structural Engineering Award highlights some of the best examples of structure ingenuity throughout the world. Awards are divided into eight categories: four building categories which are separated based on cost, a bridge of transportation structure category, international structures, forensic-renovation-retrofit-rehabilitation structures, and "other," which encompasses all types of non-building or bridge structures.

- Award Year: 2010
- Recipient: Engineering Resources, Inc., and INDOT
- Project Description: INDOT and Engineering Resources, Inc., won top honors in the New Bridge and Transportation Structure category for the Ron Venderly Family Bridge in Fort Wayne. This bridge is a cable-stayed pedestrian structure crossing the St. Joseph River on the campus of Indiana University Purdue University Fort Wayne. The \$3.8 million bridge was constructed by cantilevering from each side of the river, which allowed the substructure to be built on the river banks.
- Website: [National Council of Engineers Associations](#)

Salt Institute Excellence in Storage Award

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.

- Award Years: 2001, 2009, 2010, 2011
- Recipient: INDOT
- Award Description: Each year, the Salt Institute's annual Excellence in Storage Award recognizes agencies with outstanding storage facilities and programs. INDOT's Albany sub-district was honored for its road salt storage in 2011. The following INDOT road salt storage units have been honored multiple times: Alexandria, Aurora, Bluffton, Cambridge City, Chesterton, Dale, Fort Wayne, Gary, Greensburg, Indianapolis, Linton, Paoli, Rensselaer, Tipton, and Winchester,

American Concrete Pavement Association (ACPA) Excellence in Concrete Pavement – Urban

- Award Year: 2011
- Recipient: INDOT
- Project Description: I-69 Tier 2, Section 4