



## 2020 Awards & Achievements

### **American Council of Engineering Companies of Indiana Engineering Excellence Award – Honor Awards**

*I-69 Major Moves 2020 Expansion Project  
U.S. 27 and U.S. 40 Pavement Replacement*

The American Council of Engineering Companies of Indiana Honor Awards showcase the engineering achievements based on criteria, such as uniqueness and originality, technical complexity, social and economic value, and public awareness.

#### *I-69 Major Moves 2020 Expansion Project*

The Design-Build Best Value contract to I-69 created an added travel lane in each direction to the median in Hamilton and Madison counties between State Road 37 in Fishers and State Road 38 in Pendleton, and a southbound lane along the shoulder between 116th Street and the new interchange at the 106th Street exit ramp in Fishers. The I-69 and Campus Parkway in Noblesville was converted from a traditional diamond to diverging diamond interchange. The project widened and rehabilitated five twin bridges on I-69 and reconstructed three overpass bridges.

#### *U.S. 27 and U.S. 40 Pavement Replacement*

INDOT's Greenfield District replaced the pavement on U.S. 27 and U.S. 40 through Richmond in Wayne County. This project included construction of 8 lane miles of pavement, 5 miles of sidewalks, 9 miles of storm sewers, 2 miles of water main, and 140 ADA curb ramps. A horizontal curve was corrected on U.S. 27 as a safety improvement, and 12 traffic signals were replaced with wireless interconnect installed.

Especially noteworthy is that the project was the first INDOT project to use precast concrete pavement panels. More than 1,100 precast panels were installed, after approval by the Federal Highway Administration as an experimental feature studied for use on other projects.

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

*Risk-Based Construction Inspection*

The Research Advisory Committee of AASHTO honors 16 high-value state research projects nationwide.

State transportation agencies nationwide are challenged by the lack of resources for construction inspection to effectively inspect critical construction elements such as pavement, soil embankment, and bridge structure to ensure both near-term and long-term performance. To address this situation, INDOT partnered with Purdue University to research and adopt a risk-based construction inspection program to optimize resource allocation to the riskiest areas, equip construction inspectors with necessary knowledge and technology tools to conduct inspection more efficiently and effectively and minimize risks.