



Institute for  
Sustainable  
Infrastructure



**FOR IMMEDIATE RELEASE:**

## **Indianapolis Airport Authority's Eagle Creek Airpark Taxiway B Project Earns Envision Bronze Award for Sustainability**

**WASHINGTON, D.C. – May 2, 2019** - The Institute for Sustainable Infrastructure (ISI) announced today that the Indianapolis Airport Authority's (IAA) Eagle Creek Airpark Taxiway B project in Indianapolis, Indiana, has earned the Envision Bronze award for sustainable infrastructure. This is the first taxiway project to earn an Envision award, and the second project at a general aviation airport to achieve this recognition.

The Eagle Creek Airpark Taxiway B project involves the rehabilitation, widening, and relocation of Taxiway B. The main objectives of the project are to meet Federal Aviation Authority (FAA) design standards, improve the condition of the pavement, and achieve required separation standards. The project also involves the replacement of existing lighting with more energy-efficient LED lighting.

"ISI is pleased to present the Envision Bronze award for sustainable infrastructure to the Eagle Creek Airpark Taxiway B project," said Melissa Peneycad, ISI's Acting Managing Director. "The Indianapolis Airport Authority and their project partners are leaders in sustainability as evidenced by their early adoption of Envision as a framework to help guide them to more sustainable decision-making on this project."

The project design was led by Woolpert with C&S Engineers, Inc., serving as Envision Administrator. The team worked in close collaboration with the IAA to deliver this award-winning, sustainable project.

"The approach to this project is consistent with our commitment to sustainability," said Mario Rodriguez, IAA executive director. "Our main terminal was the first airport in the country to earn LEED certification, and it only follows suit that our commitment to sustainability should expand to our general aviation airport projects as well."

C&S's Carly Shannon notes "a typical project design offers numerous 'off ramps' from the path to sustainability. The IAA recognized the potential benefits, both short and long term, to staying on track and maintained their commitment at each step of the process. This resulted in a better project for the airport, its users, and the community."

The Envision sustainable infrastructure rating system assesses sustainability in five categories: Quality of Life, Leadership, Natural World, Resource Allocation, Climate and Resilience. These contribute to positive social, economic and environmental impacts on a community during the planning, design and construction of infrastructure projects.

Key sustainable features that contributed to this project earning Envision Bronze include:

### **Project Planning and Coordination**

Thorough project planning and coordination between the IAA and the FAA not only helped the team determine the appropriate design standards to apply, but also enabled the project to meet facility requirements and safety objectives while limiting construction costs, land disturbance, and community impacts.

### **Commitment to Sustainability**

C&S was engaged to provide recommendations that would contribute to the project's long-term durability, resilience, and sustainability. C&S and the design team then worked collaboratively to integrate selected strategies into design and construction documents. The project team's early decision to pursue Envision verification is a testament to the team's leadership and commitment to sustainability.

### **Efficient Use of Resources**

The decision to use full-depth reclamation (FDR)—a process that involves rebuilding the taxiway by recycling the existing pavement instead of removing it and bringing in all new materials—provides clear environmental and operational benefits, including reducing the need for virgin materials and minimizing trucking and associated fuel/emissions. Specification of FDR also demonstrated leadership as this is not commonly used at airports throughout Indiana. The use of FDR required a modification of standards through the FAA since this is not a standard specification.

The project also uses energy-efficient LED lighting. The use of LEDs versus standard incandescent lighting fixtures will reduce energy consumption and minimize maintenance and replacement costs over the life of the project.

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### **MEDIA CONTACTS:**

#### **Indianapolis Airport Authority**

Media Relations

317-487-5025; [mediarelations@ind.com](mailto:mediarelations@ind.com)

#### **C&S Engineers, Inc.**

Carly Shannon, Managing Planner and Sustainability Leader

315-420-7961; [cshannon@cscos.com](mailto:cshannon@cscos.com)

## **Woolpert**

Jill Kelley, Public Relations Manager

937-531-1258; [jill.kelley@woolpert.com](mailto:jill.kelley@woolpert.com)

## **Institute for Sustainable Infrastructure**

**For inquiries related to ISI, Envision or the Envision verification process, contact:**

Melissa Peneycad, Acting Managing Director | Director, Sustainable Projects

[peneycad@sustainableinfrastructure.org](mailto:peneycad@sustainableinfrastructure.org)

## **PROJECT ORGANIZATION INFORMATION:**

**Indianapolis Airport Authority:** *The Indianapolis Airport Authority owns and operates Indiana's largest airport system. In addition to the Indianapolis International Airport (IND), the IAA has five other facilities in the Indianapolis metropolitan area, including the Downtown Heliport, Eagle Creek Airpark, Hendricks County Airport-Gordon Graham Field, Indianapolis Regional Airport and Metropolitan Airport. IND generates a \$5.4 billion total annual economic impact for Central Indiana – without relying on state or local taxes to fund operations.*

**C&S Engineers, Inc.:** *C&S has been serving the aviation industry in 2018 for 50 years. The company has completed every type of project at airports during these five decades, and are an industry leader in airport planning, design, sustainability, environmental, and construction services. Over the last ten years, C&S has emerged as sustainability experts, working for airports ranging from large hubs to small commercial and General Aviation facilities.*

**About Woolpert:** *Woolpert is committed to a vision to become the premier architecture, engineering and geospatial (AEG) firm, and one of the best companies in the country. It's a vision we've been fine-tuning for decades. It guides our decisions and investments, provides our clients with optimal solutions, and offers our employees unrivaled opportunities. Woolpert is recognized as a Great Place to Work by its employees and is America's fastest growing AEG firm. With more than a century of experience, close to 1,000 employees and 28 offices, Woolpert supports public, private, federal, and military clients nationally and around the globe. For more information, visit [www.woolpert.com](http://www.woolpert.com) and connect with us on LinkedIn, Twitter and Facebook.*

**About Envision®:** *Envision is the product of a joint collaboration between ISI, which was founded by three national engineering associations: American Society of Civil Engineers (ASCE), American Council of Engineering Companies (ACEC) and American Public Works Association (APWA), and the Zofnass Program for Sustainable Infrastructure at Harvard University Graduate School of Design. Information on ISI and Envision can be found on the ISI website, [www.sustainableinfrastructure.org](http://www.sustainableinfrastructure.org).*