



WBA gives airport
long-term stability
and sustainability
for future growth

Indianapolis International Airport (IND)

Rehabilitating and Enhancing the Best Airport in North America

Indianapolis Municipal Airport opened in 1931. Since 1962, the airport has been owned and operated by the Indianapolis Airport Authority (IAA). In 1976, the board renamed the airport Indianapolis International Airport. Today, IND served more than 7.1 million business and leisure travelers and is consistently ranked, year after year, as the best airport in North America and the nation, based on ease of use, passenger amenities, customer service, local retail offerings and public art. The airport is home of the world's second largest FedEx operation and the nation's eighth-largest cargo facility.

Runway 5L-23R and 5R-23L and the associated taxiways were in need of rehabilitation and capacity enhancement. Several designers and contractors have been involved with the multiple phases of these upgrades but since 2015 WBA and WaboCrete II have been a common thread through these enhancements. The elastomeric properties, excellent adhesion, fast return to service and abrasion resistance made WaboCrete II the choice solution for the partial depth spall repair scope on this project.

INSTALLATION

2015- present

Indianapolis, IN

OWNER

■ Indianapolis Airport Authority

DESIGN-BUILD TEAM

■ CHA, Shrewsbury, Infrastructure Engineering Incorporated, Hanson (designers)

■ The Harper Company, Milestone. Walsh (contractors)

WBA PRODUCTS USED



Wabo®Crete II
Two-component polyurethane
header with a specialty
aggregate





Economic Impact

- \$190 million construction project (covering all three phases)
- Creating more than 2,700 jobs
- To date, more than \$14.2 million has been spent with more than 15 diverse businesses
- IAA has secured more than \$100 million for the project through FAA Airport Improvement Program grants

Sustainability Highlights & Environmental Impact

- Reducing energy consumption with LED airfield lighting and signage
- Conserving resources and materials, including recycled concrete to be used in runway base
- Reducing emissions and fuel use during construction and operation
- FAA-approved concrete mix design that includes carbon sequestration technology
- Reducing traffic impacts on local roads by performing concrete crushing and other construction activities on site
- Mitigating for noise, light, and visual impacts on surrounding properties
- Pursuing ENVISION certification that ensures the delivery of infrastructure that tackles climate change, addresses public health needs, creates jobs, and spurs economic recovery

Long-term Stability and Sustainability

The end result of this project gives the airport long-term stability and sustainability for future growth accommodating larger and more modern aircraft from passenger and cargo carriers, including FedEx who call this airport home and tout the world's second largest FedEx operation and the nation's eighth largest cargo facility.

The airport occupies 7,700 acres (3,116 ha) in Wayne and Decatur townships in Marion County and Guilford Township in Hendricks County. IND is home to the second largest FedEx Express hub in the world; only the FedEx SuperHub in Memphis, Tennessee surpasses its cargo traffic. Additionally, because of FedEx's activity, IND ranked as the sixth busiest U.S. airport in terms of air cargo throughput in 2020.