

# INDIANAPOLIS INTERNATIONAL AIRPORT RUNWAY 5R-23L



**Project:** New 10,000-foot air carrier runway with two full parallel taxiways.

**Construction Cost:** \$34,000,000

**Funding:** FAA AIP Entitlement and Discretionary Funds

**Summary:** The project required planning and design for a complete runway and taxiway system including perimeter roads, utilities (power, telephone, gas, storm, sanitary), airfield lighting, and navigational aids. A special end-fire antenna unique to this area was required for the runway 23L category I instrument landing system (ILS) because of the restricted separation of the activity at the Federal Express Hub and in the approach. A category III ILS was installed for runway 5R, which also required the installation of touchdown, midpoint and rollout RVRs. Special pilot friendly high-speed turnoff taxiways were designed to improve runway capacity. The parallel taxiway on the Federal Express side was turned back toward the runway after the ILS critical areas to allow for additional ramp expansion.