
Final

Environmental Assessment Runway 5L/23R Replacement Project

Raleigh-Durham International Airport
Wake and Durham Counties, North Carolina

RALEIGH-DURHAM AIRPORT AUTHORITY

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

As lead Federal Agency pursuant to the National Environmental Policy Act of 1969

U.S. ARMY CORPS OF ENGINEERS

As a Cooperating Agency pursuant to 40 CFR §1501.8

August 31, 2023

This environmental assessment becomes a Federal document when evaluated, signed, and dated by the Responsible FAA Official.

Responsible FAA Official

Date

GENERAL INFORMATION ABOUT THIS DOCUMENT

This document is the Final Environmental Assessment (EA) for the Proposed Runway 5L/23R Replacement Project (Proposed Action) at the Raleigh-Durham International Airport (RDU). The Proposed Action includes relocating Runway 5L/23R approximately 537 feet northwest of existing Runway 5L/23R and, after construction is complete, converting the existing Runway 5L/23R to a taxiway. The project also includes use of fill material from Airport borrow sites, use of water from Brier Creek Reservoir, construction of drainage improvements, relocation of a portion of Lumley Road, utility relocations, demolition of four buildings, relocation of aircraft navigational aids, acquisition of property, and removal and/or mitigation of obstacles in accordance with Federal Aviation Administration (FAA) safety standards. The Raleigh-Durham Airport Authority (Airport Authority), in cooperation with the FAA and the U.S. Army Corps of Engineers (USACE), prepared this EA document to disclose the analysis and findings of the potential environmental impacts of the Proposed Action and the No Action Alternative. The Final EA is available for review online at the following website:

<https://www.airportprojects.net/rdu-ea/reports-documents>

In addition, a paper copy of the Final EA is available for public review at each of the following locations during normal business hours.

- RDU Center 1000 Trade Drive, Raleigh, NC 27623
- Leesville Community Library 5105 Country Trail, Raleigh, NC 27613
- Duraleigh Road Community Library 5800 Duraleigh Rd, Raleigh, NC 27612
- Morrisville Community Library 310 Town Hall Dr, Morrisville, NC 27560
- West Regional Library 4000 Louis Stephens Dr, Cary, NC 27519
- Durham County- South Regional Library 4505 S Alston Ave, Durham, NC 27713

The document presented herein represents the Final EA for the federal decision-making process, in fulfillment of FAA's policies and procedures relative to NEPA and other related federal requirements.

Pursuant to Title 40, CFR § 1506.4, the FAA will issue a Finding of No Significant Impact (FONSI) / Record of Decision (ROD) pursuant to NEPA or elect to prepare an EIS. Issuance of a FONSI / ROD would complete NEPA requirements for the project pursuant to 40 CFR § 1506.10. The project may begin as funds become available and as mitigation requirements including obtaining the required permits set forth in the Final EA are completed. The U.S. Army Corps of Engineers (USACE) intends to issue their own ROD based on the Final EA.