



The North Carolina Department of Transportation Division of Aviation (NCDOT Aviation) offers a variety of programs to support aviation in N.C. Below is a summary of our programs to help you easily identify the resources that best meet your needs. Categories include safety, maintenance and improvement, and professional development and workforce enhancement.

## SAFETY

### 5010 Inspections

- The FAA requires safety inspections for all general aviation (GA) airports open to the public (both publicly and privately owned) to be completed every three years
- NCDOT Aviation contracts 5010 Inspections, which include runway conditions, airport markings and lighting, runway approach angles and controlling obstructions on the runway

### Automated Weather Observation System (AWOS) Program

- NCDOT Aviation installs and maintains weather observation systems at airports, enabling real-time weather data, which is crucial for pilots
- NCDOT Aviation funding covers installation, maintenance, and upgrades
- Airports/sponsors are responsible for costs associated with equipment insurance coverage

### Helipad Installations

- Responsibilities align with NCDOT specs on the installation of new helipads throughout N.C., not just at airports, but for hospitals and other uses
- Requires completion of FAA Form 7480-1 Notice of Landing Area Proposal and a Landing Area Permit Application (Aircraft / Seaplane / Helicopter)

### N.C. State University's Institute for Transportation Research and Education (ITRE) Obstacle Visualization with ArcGIS

- Partnership program that provides analyses to airports on potential aviation obstructions around and relative to the airspace surrounding the airport.

### No Trespassing Sign Program

- Each fiscal year, GA airports are eligible for up to ten free signs of each type
- Includes: No Trespassing, No Trespassing: Violators Will be Prosecuted and Restricted Area

### State Airport Guide and Aeronautical Charts

- New editions will be available by contacting NCDOT Division of Aviation, (919) 707-4700
- This guide serves as a planning tool for pilots when preparing for a flight

### Tracking Airport Logistics, Operations and Navigation System (TALONS)

- Tracks and stores real-time aircraft operations data
- Improves data tracking, security, communications, and record-keeping
- Benefits all 72 publicly owned airports, especially the 58 non-towered ones
- Reimburses 50% of the cost for a pre-qualified counting service, up to \$3,000 annually

### Turf Runway Marking Program

- Public-use airports can request free yellow plastic cones to mark turf runways
- Private-use airports can purchase cones for \$20 each
- Increases airport safety and enables maintenance of runway dimensions during mowing
- Aviation provides guidance on the placement and spacing of the cones

Please contact your airport project manager if you have questions about these items.



### **Wildlife Hazard Management Program**

- U.S. Department of Agriculture and NCDOT Aviation host this program three times annually
- Provides free training and assessments to manage wildlife hazards at airports

### **Windsock Program**

- Free windsocks to any public-use airports in N.C., subject to available funding
- Reduces weather-related landing accidents caused by wind direction and magnitude

## **MAINTENANCE & IMPROVEMENT**

### **Airport Pavement Management Program**

- Central dashboard for pavement condition data, inspection results, and PCI scores
- Enables informed decision-making for construction and maintenance project planning

### **Independent Fee Estimates (IFE) and Independent Fee Analyses (IFA)**

- Requirement for most engineering contracts per AC 150/5100-14E
- NCDOT Aviation can perform IFE or IFA on behalf of airport sponsors at no cost
- Directed funds do not require IFE; airports must ensure reasonable rates and fees

### **Safety, Preservation, and Maintenance (SPAM) Program**

- Assistance for minor airfield maintenance and safety correction projects
- Includes crack sealing, pavement patching, markings, and erosion control

## **PROFESSIONAL DEVELOPMENT & WORKFORCE ENHANCEMENT**

### **Aviation Career Education (ACE) Academy Program**

- In alignment with the FAA to inspire the next generation of aviation talent
- Grants up to \$5,000 are available to all 72 public-use airports
- Enables airports to host aviation career-focused summer camps for students

### **ITRE Workforce Development Partnership**

NCDOT Aviation partners with ITRE's Aviation Research Team to offer specialized and practical workforce development training for the modern aviation community. Visit

[itre.ncsu.edu/focus/aviation/](http://itre.ncsu.edu/focus/aviation/) for a comprehensive list of services.



### **North Carolina Airport Technical Assistance Program (NC AirTAP)**

- Enables airport staff to build a community network for exchanging best practices
- Provides educational offerings, information resources and related assistance to the state's airport professionals and boards, including:
  - Airport Board Member Training
    - Online, self-paced training modules
  - NC Airport Leadership and Management Program (ALMP)
    - Twelve training and continuing education courses designed for new and experienced N.C. airport officials, managers and staff

### **The N.C. Airports Economic Development Fund**

- Performance-based economic development grant program for GA airports
- Grants are intended for time-sensitive capital projects that will create jobs

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