



Kay Ivey  
GOVERNOR

**ALABAMA**  
**DEPARTMENT OF TRANSPORTATION**  
**AERONAUTICS BUREAU**  
**1409 COLISEUM BOULEVARD**  
**MONTGOMERY, ALABAMA 36130**  
PHONE (334) 242-6820  
FAX (334) 353-6540



John R. Cooper  
TRANSPORTATION DIRECTOR

March 4, 2022

The Honorable Ray Marler  
Mayor of Headland  
25 Grove St.  
Headland, Alabama 36345

**Subject: Annual Inspection Report  
Headland Municipal Airport**

Dear Mayor Marler:

An inspection of the Headland Municipal Airport was conducted by personnel of the Alabama Department of Transportation Aeronautics Bureau on February 28, 2022. The purpose of the inspection was to update the information currently on file regarding the airport and to ascertain compliance with the rules and regulations of the Alabama Department of Transportation governing licensed public-use airports within the State of Alabama.

Attached you will find a copy of the Annual Inspection Report for the airport. As noted in the report, the airport meets the requirements for the issuance of an operating license. The operating license will be mailed to you within a couple of weeks. There are some maintenance items listed in the report that should be addressed as soon as possible.

If you should have any questions concerning the inspection or corrective actions, please do not hesitate to contact the Aeronautics Bureau at (334) 242-6820.

Sincerely,

Frank Farmer  
Chief, Aeronautics Bureau

Cc: Mr. Rans Black, FAA/ADO  
Mr. Luke Flowers, FAA/ADO  
Mr. Jim Tucker, Headland Airport Authority  
Mr. Roger Mixson, Airport Manager  
Mr. D. Keith Shippey, Barge Design Solutions

February 28, 2022



DEPARTMENT OF TRANSPORTATION

# ANNUAL INSPECTION REPORT



HEADLAND MUNICIPAL AIRPORT

HEADLAND, ALABAMA

**Annual Inspection Report  
Headland Municipal Airport  
Headland, Alabama**

February 28, 2022

**TABLE OF CONTENTS**

<b>INTRODUCTION.....</b>	<b>PAGE 1</b>
<b>INSPECTION METHODOLOGY.....</b>	<b>PAGE 1</b>
<b>LICENSE STATUS.....</b>	<b>PAGE 2</b>
<b>APPROACH / DEPARTURE PATHS.....</b>	<b>PAGE 2</b>
<b>PRIMARY SURFACE.....</b>	<b>PAGE 5</b>
<b>RUNWAY SAFETY AREA.....</b>	<b>PAGE 6</b>
<b>AIRPORT MARKINGS.....</b>	<b>PAGE 6</b>
<b>WIND DIRECTION INDICATOR.....</b>	<b>PAGE 8</b>
<b>AIRPORT LIGHTING.....</b>	<b>PAGE 9</b>
<b>RUNWAY, TAXIWAY AND APRON CONDITIONS.....</b>	<b>PAGE 9</b>
<b>FUELING AREA REQUIREMENTS.....</b>	<b>PAGE 12</b>
<b>PROHIBITED ACTIVITIES.....</b>	<b>PAGE 13</b>
<b>SUMMARY.....</b>	<b>PAGE 14</b>
<b>APPENDIX 1.....</b>	<b>PAGE 15</b>

# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

## **Introduction:**

**Code of Alabama 23-1-357(c).** The department may perform such acts, issue and amend such orders and make, promulgate, or amend general or special rules, regulations, and procedures and establish minimum standards, consistent with the provisions of this article as it shall deem necessary to carry out the provisions of this article and to perform its duties hereunder, all commensurate with and for the purpose of protecting and insuring the general public interest, health, welfare, and safety. (Act 2000-220, 10.)

In accordance with the provisions of the Code of Alabama 23-1-357(c) an inspection of the Headland Municipal Airport was conducted by Mr. Jeb Baird of the Alabama Department of Transportation Aeronautics Bureau on February 28, 2022.

The corrective actions that may be prescribed in this inspection report do not relieve the airport owner from compliance with any other Federal, State, or local laws, ordinances or regulations that may be applicable. It is the responsibility of the airport owner to be aware of and obey all Federal, State, or local laws, ordinances or regulations that may have a bearing on the corrective actions that may be specified in this report.

## **Inspection Methodology:**

The inspection of the required State Approach/Departure Path and Federal Runway Protection Zones was accomplished by use of approved engineering methods and equipment. The angles, locations and heights of trees or other objects within these areas were derived by use of a theodolite and electronic distance measuring device.

All other areas of the inspection were conducted visually and photographed for reference purposes.

The FAA Airport Design Standards referred to in this report were taken from the Airport Layout Plan (ALP) dated March 18, 2013.

# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

## **License Status:**

**Code of Alabama 23-1-375(a).** ...a person or municipality may not operate an airport, restricted landing area, or other air navigation facility without a license issued by the department.

Based upon the findings of the inspection conducted on February 28, 2022, it was determined that the airport **meets** the requirements for the issuance of an operating license.

The inspection was conducted on the airport under the provisions of the Administrative Code for the following areas:

### **1. Approach and Departure Paths Administrative Code 450-9-1-.12(1) (See Appendix 1)**

#### **State Licensing Standards:**

- For all hard surface runways, the approach and departure path begin 200 feet from the runway end (runway threshold).
- For turf runways the approach and departure path begin at the runway end (runway threshold).
- The approach and departure path for all runways is centered along the extended runway centerline and extends for 1000 feet.
- The approach and departure path for all runways slopes up at a ratio of 20:1.
- All penetrations of the approach and departure paths, whether natural or manmade, constitute an obstruction to navigation and must be removed.
- The land beneath the approach and departure path must be controlled by the airport owner. This is accomplished by ownership of the property in fee simple or by written perpetual agreement with the owner of the land.

#### **Inspection Results:**

- Runway 9 – No obstructions (See Photo #1).
- Runway 27 – No obstructions (See Photo #2).
- Runway 17 – No obstructions (See Photo #3).
- Runway 35 – No obstructions (See Photo #4).



# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

**Photo #1 – Runway 9 Approach**



**Photo #2 – Runway 27 Approach**





# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

**Photo #3 – Runway 17 Approach**



**Photo #4 – Runway 35 Approach**



# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

## 2. Primary Surface Administrative Code 450-9-1-.12(2)

### State Licensing Standards:

- Primary Surface (See Appendix 1): The primary surface is 250 feet wide, centered on the runway centerline and extends 200 feet past the end of the marked runway. The primary surface is required to be free of all obstructions, manmade or natural. The only allowable objects are runway lights, guidance signs, or navigation equipment that by function is required to be within the primary surface boundaries.

### Inspection Results:

- The Primary Surface for Runway 9-27 **meets** state licensing requirements (See Photo #5).
- The Primary Surface for Runway 17-35 **meets** state licensing requirements

**Photo #5 – Primary Surface RWY 09-27**





# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

## 3. Runway Safety Area Administrative Code 450-9-1-.12(3)

### State Licensing Standards:

- Runway Safety Area (Appendix 1): All runways are required to maintain an obstruction free area adjacent to each runway. This area is 120 feet wide, centered on the runway centerline, and extends for a distance of 200 feet past the runway end. The area must be compacted and graded smooth with no ruts, humps, depressions, or other potentially hazardous surface variations. The slope along the longitudinal centerline shall not exceed a rise or fall of three percent in elevation relative to the runway end elevation. The lip from the top of the pavement to the grade adjacent to the runway should not exceed 3 inches.

### Inspection Results:

- The runway safety area **meets** state licensing standards.

## 4. Airport Markings Administrative Code 450-9-1-.12(4)

### State Licensing Standards:

- Airport Markings: All runways are required to be marked in a manner identifying the boundaries of the landing areas. The runway markings must be painted white and be maintained in a legible condition.

### Inspection Results:

- The non-precision runway markings for runway 9-27 are in **POOR** condition due to microbial growth and fading (See Photo #6).
- The turf markings for runway 17-35 are in **GOOD** condition (See Photo #7).
- Taxiway markings are in **GOOD** condition.
- Apron markings are in **FAIR** condition due to fading.

### Maintenance Required:

- Clean Runway 9/27 markings or replace markings in accordance with FAA AC 150/5340-1M if they cannot be cleaned.

# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

**Photo #6 – NPI Markings RWY 27**



**Photo #7 – Runway 17-35 Markers**





# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

## 5. Wind Direction Indicator Administrative Code 450-9-1-.12(5)

### State Licensing Standards:

- Wind Direction Indicators: All airports are required to have an operational wind direction indicator. It must be installed in a highly visible area and free from obstructions to ensure true wind direction and velocity. Night operations require the indicator be lighted.

### Inspection Results:

- The windsock is operational and in **FAIR** condition due to fading (See Photo #8).

Photo #8 – Windsock



# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

## 6. Airport Lighting Administrative Code 450-9-1-.12(6)

### State Licensing Standards:

- Airport Lighting: Runway lights and airport rotating beacons and a lighted wind direction indicator are required for night operations. All runway, threshold, and taxiway lighting shall be maintained in operational condition and shall not be obscured by natural growth such as grass and/or weeds.

### Inspection Results:

- The results of the lighting system inspection are as follows:

Threshold Lights	– 6 inoperative; RWY 27
Taxiway Lights	– 0 inoperative
Runway Lights	– 7 inoperative
REIL	– RWY 27 REIL inoperative
PAPI Rwy 27	– 0 inoperative
PAPI Rwy 9	– 0 inoperative

### Maintenance Required:

- Replace/repair inoperative lights.
- Issue a NOTAM for inoperative Runway 27 REILs.

## 7. Runway, Taxiway and Apron Conditions Administrative Code 450-9-1-.12(7)

### State Licensing Standards:

- Runway, Taxiway and Apron Conditions: All airport pavement surfaces associated with aircraft operations must be kept smooth and free of any defect or obstruction that could damage an aircraft. The lip of the airport pavement surfaces must not exceed three (3) inches in elevation from the top of the pavement to the shoulder. The drop should only be enough to allow sufficient drainage and not pose a control problem for aircraft exiting the runway. The aircraft parking apron is for the operation and parking of aircraft only and should be smooth and free of obstructions or defects that could cause damage to aircraft during operations.



# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

## Inspection Results:

<b>Runway 9-27</b>	Runway 9-27 is in <b><u>FAIR</u></b> condition due to widespread 1" wide cracking and vegetation growth (See Photo #9 and #10)
<b>Runway 17-35</b>	Runway 17-35 turf is in <b><u>GOOD</u></b> condition (See Photo #11).
<b>Taxiway</b>	Taxiway is in <b><u>GOOD</u></b> condition.
<b>Apron</b>	Apron surfaces are in <b><u>FAIR</u></b> condition due to cracking.

**Photo #9 – Runway Cracking**





# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

**Photo #10 – Vegetation in Cracks on Runway**



**Photo #11 – Runway 17-35 Surface**





# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

## Maintenance Required:

- Proceed with Runway Rehabilitation project listed on the airport's CIP (Capital Improvement Plan).

## 8. Fueling Area Requirements Administrative Code 450-9-1-.12(8)

### State Licensing Standards:

- Signs should be posted prohibiting open flames or smoking in fueling areas. The fueling facility must be labeled indicating the type fuel being dispensed.
- Grounding cables must be available.
- A fire extinguisher approved for the purpose of extinguishing petroleum product fires available during all fueling operations.
- Serviceable hoses and connections that would preclude a rupture or leaking of fuel.

### Inspection Results:

- The fueling area **meets** the requirements established by the Alabama Department of Transportation. However, the State of Alabama Department of Agriculture and Industries may have additional requirements for fueling systems that were not considered during this inspection (See Photo #12).

**Photo #12 – Fueling Area**



# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

## 9. Prohibited Activities Administrative Code 450-9-1-.16

### State Licensing Standards:

- Prohibited Activities: The use of any portion of the aircraft operations area, or airport property within the boundaries of the imaginary surfaces of a licensed airport for any purpose other than the operation of aircraft shall be deemed a non-aeronautical activity and is prohibited.

### Inspection Results:

- Evidence of vehicles travelling to and from the Survival Flight facility is present near the approach end of Runway 9. Vehicles using this path are accessing the runway across the Primary Surface and Runway Safety Area (See Photo #13).

### Required Action:

- Ensure vehicles are not travelling across aircraft movement areas.

**Photo #13 – Evidence of Vehicles in Movement Area**





# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

## Summary:

The table below summarizes items noted in this report.

### INSPECTION SUMMARY

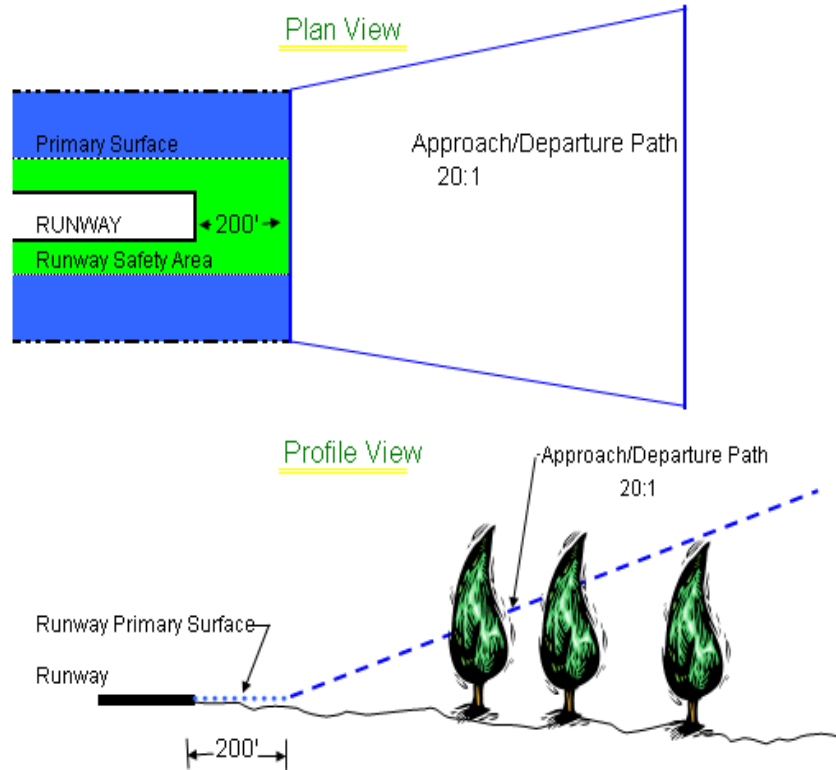
Inspection Area	Violation/Maintenance	Corrective Action
Airport Markings	Maintenance	Clean Runway 9/27 markings or replace in accordance with FAA AC 150/5340-1M.
Airport Lighting	Maintenance	Repair/replace inoperative lights. Issue a NOTAM for inoperative Runway 27 REILs.
Runway, Taxiway, and Apron Conditions	Maintenance	Proceed with Runway Rehabilitation Project listed on the Airport's CIP.
Prohibited Activities	Maintenance	Ensure vehicles are not travelling through Aircraft Movement Areas.

Please contact the Aeronautics Bureau of the Alabama Department of Transportation at (334) 242-6820 with questions concerning the Annual Inspection Report.

# Annual Inspection Report Headland Municipal Airport Headland, Alabama

February 28, 2022

Approach and Departure Path Dimensions			
Inner Width	Outer Width	Length	Acreage
250 Feet	450 Feet	1,000 Feet	8.04 Acres
Primary Surface Dimensions			
250 Feet Wide Centered Along Runway Centerline			
Extending 200 Feet Past the Runway End			
Runway Safety Area Dimensions			
120 Feet Wide Centered Along Runway Centerline			
Extending 200 Feet Past the Runway End			



## APPENDIX 1