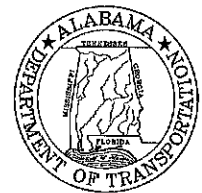




Kay Ivey
GOVERNOR

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

February 18, 2021

The Honorable Mark Blankenship, Mayor
City of Ozark
P.O. Box 1987
Ozark, Alabama 36361

**Subject: Annual Inspection Report
Ozark Airport—Blackwell Field**

Dear Mayor Blankenship:

An inspection of the Ozark Airport—Blackwell Field was conducted by personnel of the Alabama Department of Transportation Aeronautics Bureau on February 4, 2021. 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 **does not meet** the requirements for the issuance of an operating license. Therefore, the Airport Operating License is being **withheld** until all safety deficiencies are corrected. Several trees off the Approach end of Runway 31 are obstructions to the ALDOT 20:1 Approach & Departure Path. In addition, two of those obstructions are classified as close-in obstructions and, therefore, violate the Primary Surface. All obstructions should be removed immediately. There are also several maintenance items that should be addressed.

When corrective actions have been taken you may contact this office to schedule a re-inspection.

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

Sincerely,

Frank Farmer
Chief, Aeronautics Bureau

Copy: Mr. Rans Black, FAA/ADO
Mr. Luke Flowers, FAA/ADO
Mr. D. Keith Shippey, Barge Design Solutions
Ms. Denise Ellis, Airport Manager

ANNUAL INSPECTION REPORT

February 4, 2021



OZARK (BLACKWELL FIELD) MUNICIPAL AIRPORT

OZARK, ALABAMA

**Annual Inspection Report
Ozark Airport—Blackwell Field
Ozark, Alabama**

February 4, 2021

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Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

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 Ozark Airport—Blackwell Field was conducted by Mr. Gus Slaten of the Alabama Department of Transportation Aeronautics Bureau on February 4, 2021.

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 the use of approved engineering methods and equipment. The angles, locations and heights of trees or other objects within these areas were derived by the 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 February 9, 2018.

Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

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 4, 2021, the airport **does not meet** 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 begins 200 feet from 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: VIOLATION

- Runway 13 – No obstructions (See Photo #1).
- Runway 31 – Trees identified as #1, #2, #3, #4, and #12 are obstructions to the Required 20:1 Approach/Departure Path. (See Photo #2, Appendix 2).

Required Actions:

- Remove all obstructions to the Required 20:1 ALDOT Approach & Departure Path.

Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

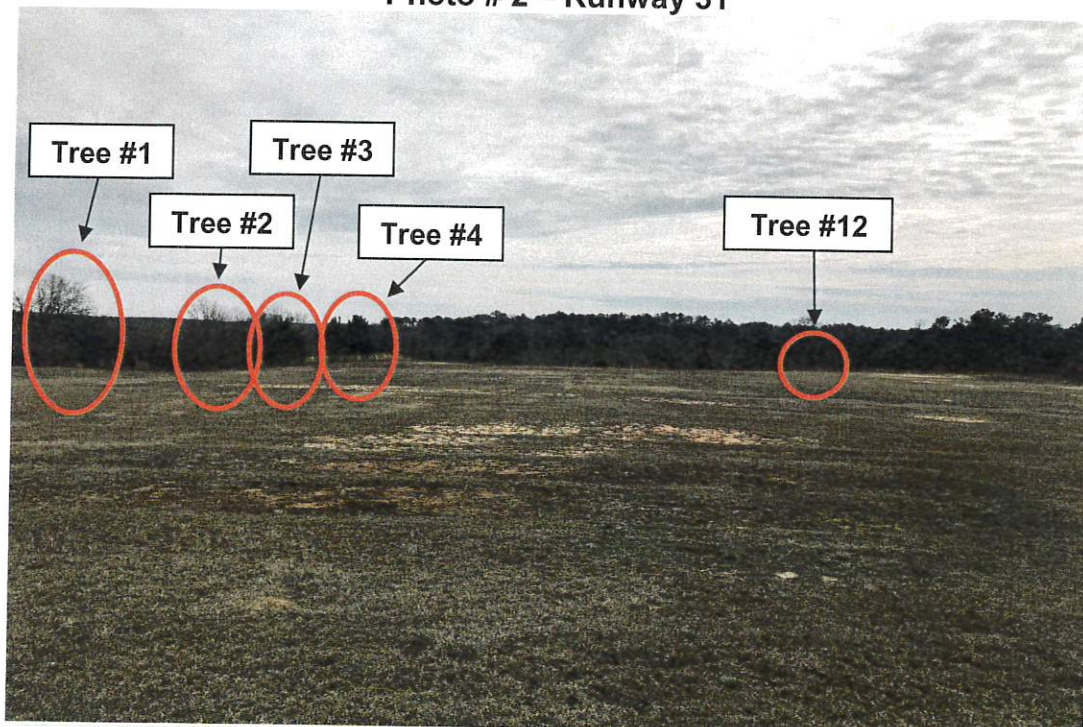
February 4, 2021

- Note: Obstructions identified during this inspection are representative and may not include all obstructions. *It is the responsibility of the airport sponsor to identify and remove ALL obstructions.*

Photo # 1 – Runway 13 Approach



Photo # 2 – Runway 31



Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

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

State Licensing Standards: **VIOLATION**

- 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.

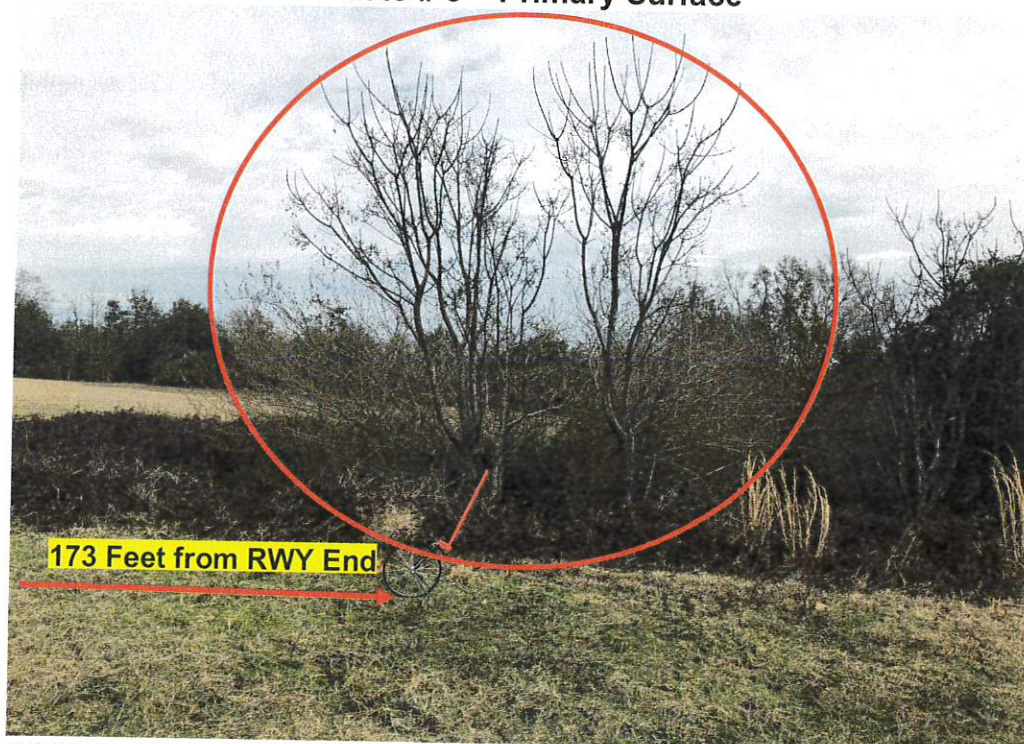
Inspection Results:

- **Violation:** There are two close-in obstructions on the approach end of RWY 31 that violate the Primary Surface (See Photo #3 and Appendix 2).
- **Maintenance:** Remove vegetation from area of gravel in Primary Surface near RWY 31 Approach End (See Photo #4).

Maintenance Required:

- Erosion within the primary surface should continue to be addressed.

Photo # 3 – Primary Surface



Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

Photo #4 – Vegetation Growth within Primary Surface



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 the state licensing standards (See Photo #5).

Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

Photo #5—Runway Safety Area



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.

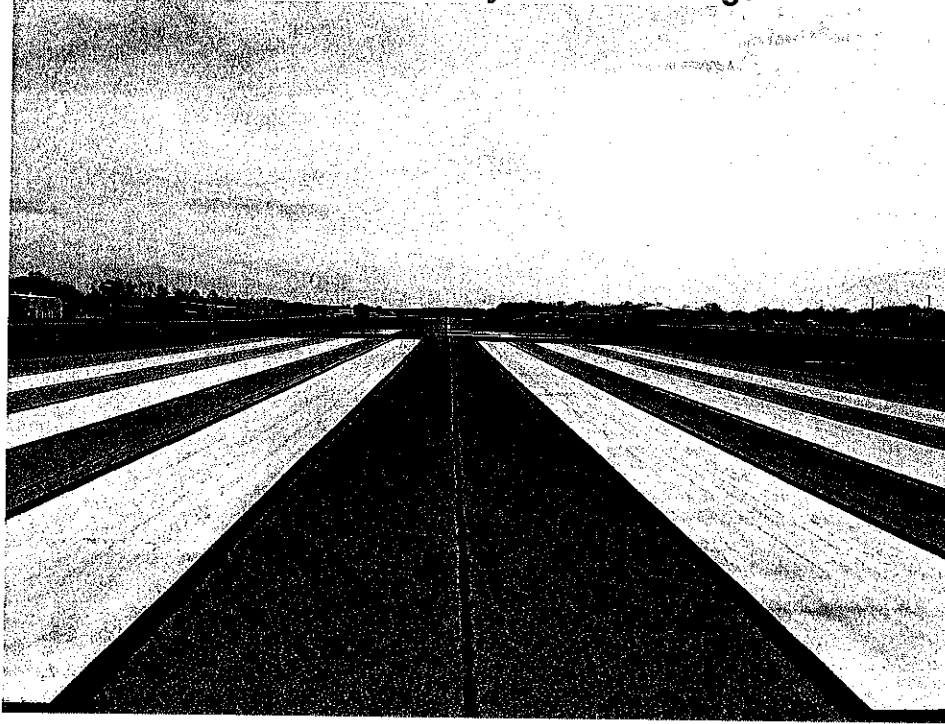
Inspection Results:

- The runway markings are in **GOOD** condition, although some of the paint is beginning to flake up (See Photo #6).
- The taxiway and apron markings are in **GOOD** to **FAIR** condition, with some fading.

Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

Photo #6 – Runway 13 NPI Markings



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 wind direction indicator (wind cone) is in **FAIR** condition due to microbial growth (See Photo #7).
- Segmented circle has completely faded.

Maintenance Required:

- Re-paint segmented circle white. It should be noted that the airport has re-painting on schedule.

Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

Photo #7 – Wind Cone



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

State Licensing Standards:

- Airport Lighting: Runway lights and a lighted wind direction indicator are required for night operations. A rotating beacon is suggested. 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 is as follows:

Threshold Lights	–	1 inoperative
Taxiway Lights	–	2 inoperative
Runway Lights	–	0 inoperative
REILS 13/31	–	0 inoperative
PAPI 13/31	–	0 inoperative

Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

Maintenance Required:

- Replace/repair inoperative lights.

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.

Inspection Results:

- The runway and the newer south-side apron and taxiway are in **GOOD** condition with some light weathering (See Photo #6). The crack-seals on the runway are holding up well.
- The older north-side apron and taxiways are in **FAIR** condition due to moderate polishing and thermal cracking (See Photo #8).

Required Maintenance:

- Plan a future pavement maintenance project for the older north-side apron and taxiways.

Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

Photo #8—Old Apron



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.

Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

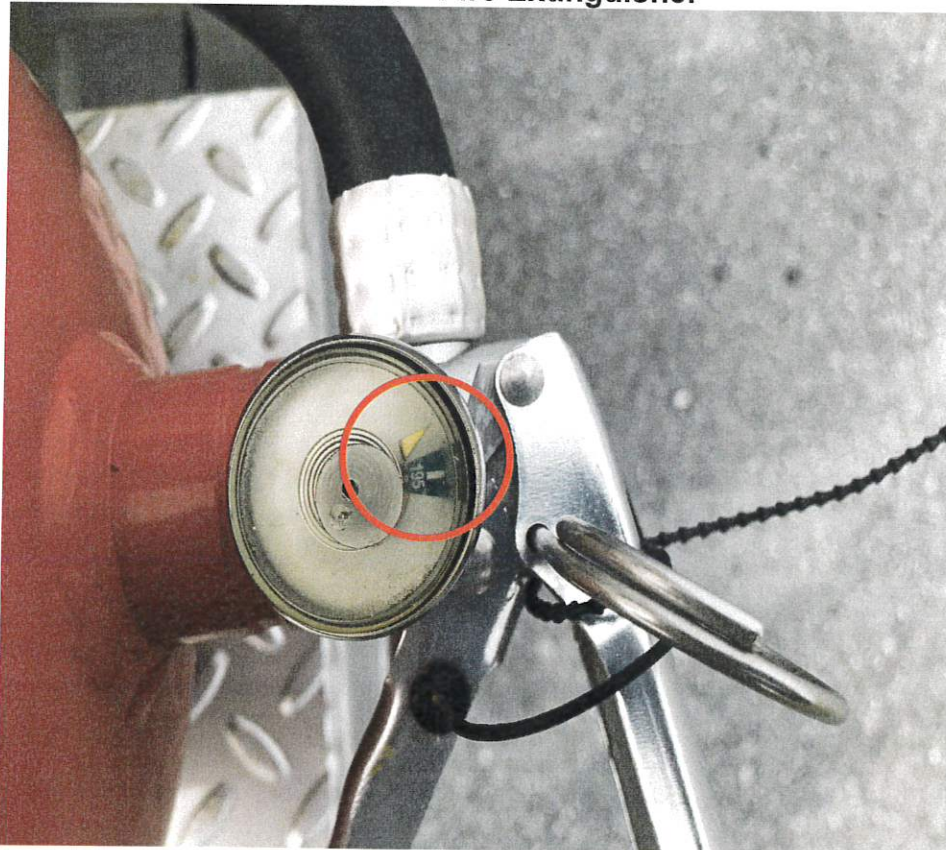
Inspection Results:

- 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.
- Jet-A Self-Serve fueling area is currently shut down by the airport for maintenance and improvements.
- One of the fire extinguishers on the AVGAS (100LL) truck was not fully charged (See Photo #9).

Required Maintenance:

- Have fire extinguisher re-charged or replaced.

Photo #9 – Fire Extinguisher



**Annual Inspection Report
Ozark Airport—Blackwell Field
Ozark, Alabama**

February 4, 2021

**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:

- No prohibited activities were observed during the inspection.

Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

Summary:

The table below summarizes items noted in this report.

INSPECTION SUMMARY

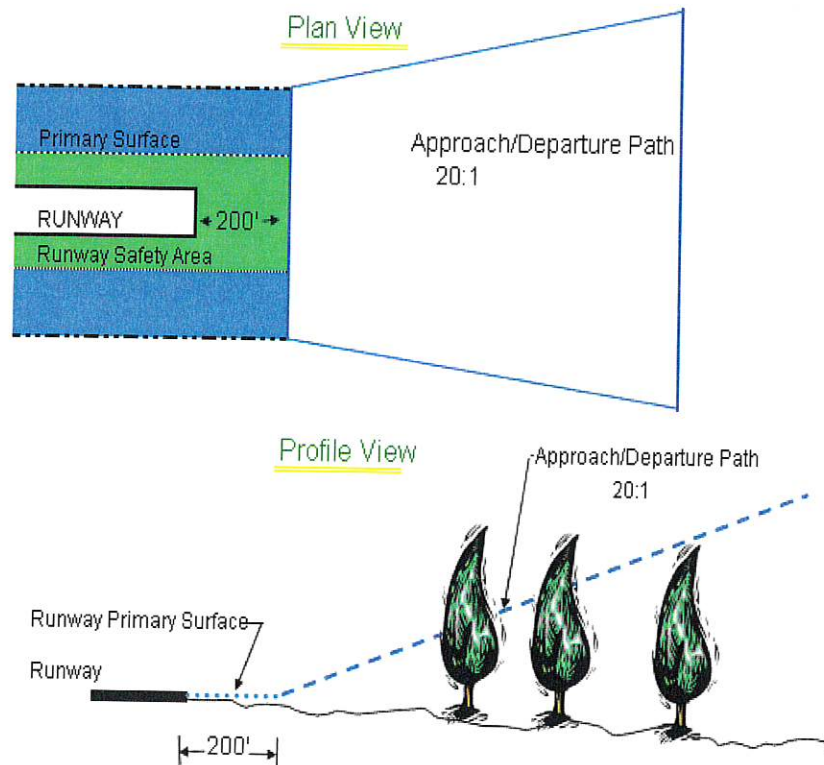
Inspection Area	Violation/Maintenance	Corrective Action
Approach Departure Path	VIOLATION	Remove all obstructions to Required 20:1 App./Dep. Path.
Primary Surface	VIOLATION	Remove close-in obstructions. Remove tall vegetation/brush growth.
Wind Direction Indicator	Maintenance	Repaint segmented circle.
Airport Lighting	Maintenance	Replace/repair inoperative lights.
Runway, Taxiway, and Apron Conditions	Maintenance	Plan a future pavement maintenance project for older apron and taxiways.
Fueling Area Requirements	Maintenance	Re-charge or replace fire extinguisher.

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

Annual Inspection Report Ozark Airport—Blackwell Field Ozark, Alabama

February 4, 2021

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

Ozark-Blackwell Field
Ozark, AL
February 4, 2021
Obstruction Evaluation
Runway 31

Notes:
 1. Drawing not to scale.
 2. To be used for informational purposes only and not to be used for any other purpose.
 3. Aerial photo may not be current.

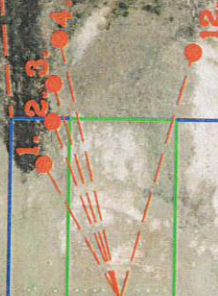
1. Tree 15' Abv. RWY
 173' From RWY End.
 102' Right of Cntln.
 Close-In Obst. (0:1)

2. Tree 13' Abv. RWY
 212' From RWY End.
 85' Right of Cntln.
 Close-In Obst. (0:1)

3. Tree 11' Abv. RWY
 251' From RWY End.
 83' Right of Cntln.
 4:1 Obst. Clnc.

4. Tree 12' Abv. RWY
 297' From RWY End.
 75' Right of Cntln.
 8:1 Obst. Clnc.

12. Tree 5' Abv. RWY
 286' From RWY End.
 80' Left of Cntln.
 17:1 Obst. Clnc.



ALDOT 20:1 APPROACH/DEPARTURE PATH