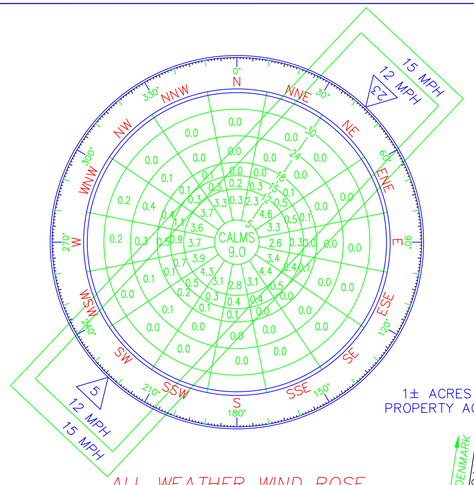


ALL WEATHER WIND ROSE

RUNWAY 5/23 COVERAGE:
12 MPH – 95.08%
15 MPH – 98.42 %
18 MPH – 99.19 %

SOURCES:
NATIONAL WEATHER CENTER
AUGUSTA, GEORGIA
10 YR. PERIOD 1951–1960

E 1,962,000 N 536,000

E 1,964,000 N 538,000

E 1,966,000 N 540,000

MAG. NORTH
TRUE NORTH
MAGNETIC DECLINATION
4°52' WEST – 1990

## LEGEND

- EXISTING SPOT ELEVATION
- EXISTING GROUND CONTOUR
- EXISTING TREE OR TREELINE
- ADJACENT PARCEL PROPERTY LINE
- EXISTING AIRPORT PROPERTY LINE
- ULTIMATE AIRPORT PROPERTY LINE
- ULTIMATE BUILDING RESTRICTION LINE
- EXISTING BUILDING
- PROPOSED BUILDING
- ULTIMATE BUILDING
- EXISTING AVIGATION EASEMENT
- ULTIMATE AVIGATION EASEMENT
- ULTIMATE AIRPORT REFERENCE POINT
- ULTIMATE OMNIDIRECTIONAL APPROACH LIGHTING TOWER

1± ACRES ULTIMATE PROPERTY ACQUISITION
ULTIMATE SEGMENTED CIRCLE AND WINDCONE
60± ACRES PROPOSED PROPERTY ACQUISITION
ULTIMATE ACCESS ROAD
ULTIMATE TERMINAL AREA
PROPOSED ACCESS ROAD
EXISTING ACCESS ROAD TO BE ABANDONDED
7± ACRES ULTIMATE PROPERTY ACQUISITION
0.4± ACRES ULTIMATE AVIGATION EASEMENT
PROPOSED POWER LINE RELOCATION
ULTIMATE LOCALIZER
ELEV. 223.4
EXTENDED APPROACH AREA
EXTENDED APPROACH AREA
TO DENMARK
TO DENMARK
TO BAMBERG
LOBRIES ROAD
PROPOSED PAPI-2
PROPOSED PAPI-2
TAXIWAY
3605'x 60' EXISTING
N 43°37'02" E (TRUE)
4300'x100' PROPOSED
5400'x100' ULTIMATE
20:1 EXISTING
ELEV. 211.6
ELEV. 209.0
ELEV. 231.5
ELEV. 232.5±
ELEV. 234±
EXISTING AV. EASEMENT
EXISTING AV. EASEMENT
PROPOSED RPZ–20:1 SLOPE
ULTIMATE RPZ–20:1 SLOPE
4± ACRES ULTIMATE PROPERTY ACQUISITION
7± ACRES ULTIMATE PROPERTY ACQUISITION
67± ACRES PROPERTY ACQUISITION
PROPOSED POWER EASEMENT RELOCATION
ULTIMATE LOCALIZER CRITICAL AREA
PONDS
TANKS
CREEK
PLANTINGS
BRUSH
CEMETERY
CHURCH
ODAL
BRL
N 530,500 E 1,962,500
N 532,000 E 1,967,000
N 534,000 E 1,969,000
N 536,000 E 1,971,000

# 1994

400 0 400 800
FEET

## RUNWAY DATA

| | EXISTING | PROPOSED | ULTIMATE |
|---|---|---|---|
| RUNWAY LENGTH x WIDTH | 3605' x 60' | 4,300' x 100' | 5,400' x 100' |
| EFFECTIVE GRADIENT | 0.63 % | 0.55 % | 0.46 % |
| PAVEMENT STRENGTH (D.G.) | 12,000 LB./SW | 30,000 LB./DS | 60,000 LB./DS |
| NAVIGATIONAL AIDS | NONE | NDB, LOCALIZER, PAPI–2, VALS | NDB, LOCALIZER, ODALS, PAPI–2, GPS |
| APPROACH SLOPE | R/W 5 20:1<br>R/W 23 20:1 | R/W 5 34:1<br>R/W 23 20:1 | R/W 5 34:1<br>R/W 23 20:1 |
| RUNWAY APPROACH CATEGORY | R/W 5 VISUAL<br>R/W 23 VISUAL | R/W 5 NON–PREC. INST.<br>R/W 23 VISUAL | R/W 5 NON–PREC. INST.<br>R/W 23 VISUAL |
| AIRCRAFT APPROACH CATEGORY / DESIGN GROUP | B I | B II | C II |
| OBJECT FREE AREA | 500' x 4,800' | 800' x 6,200' | 800' x 7,400' |
| RUNWAY SAFETY AREA | 150' x 4,200' | 400' x 6,200' | 400' x 7,400' |
| RUNWAY LIGHTING | MIRL | MIRL | MIRL |
| RUNWAY MARKING | BASIC | NON–PRECISION | NON–PRECISION |
| PAVEMENT TYPE | ASPHALT | ASPHALT | ASPHALT |
| THRESHOLD COORDINATES (NAD 1983) | R/W 5 LAT. 33°18'03.406" N<br>LONG. 81°06'44.928" W | R/W 5 LAT. 33°18'03.406" N<br>LONG. 81°06'44.928" W | R/W 5 LAT. 33°18'03.406" N<br>LONG. 81°06'44.928" W |
| | R/W 23 LAT. 33°18'29.229" N<br>LONG. 81°06'15.624" W | R/W 23 LAT. 33°18'34.205" N<br>LONG. 81°06'09.977" W | R/W 23 LAT. 33°18'42.084" N<br>LONG. 81°06'01.033" W |

## AIRPORT DATA

| | EXISTING | PROPOSED | ULTIMATE |
|---|---|---|---|
| AIRPORT ELEVATION | 231.5' M.S.L. | 233' M.S.L. | 234' M.S.L. |
| AIRPORT REFERENCE POINT COORDINATES (NAD 1983) | 33°18'16.32" N<br>81°06'30.28" W | 33°18'21.30" N<br>81°06'24.63" W | 33°18'29.17" N<br>81° 06'15.69" W |
| MEAN MAX. TEMP. OF HOTTEST MONTH | 90° F | 90° F | 90° F |

## RUNWAY PROTECTION ZONE DIMENSIONS AND THRESHOLD ELEVATIONS

| | RUNWAY 5 | | | RUNWAY 23 | | |
|---|---|---|---|---|---|---|
| | EXISTING | PROPOSED | ULTIMATE | EXISTING | PROPOSED | ULTIMATE |
| INNER WIDTH | 250' | 500' | 1000' | 250' | 500' | 1000' |
| OUTER WIDTH | 450' | 1010' | 1510' | 450' | 700' | 1100' |
| LENGTH | 1000' | 1700' | 1700' | 1000' | 1000' | 1000' |
| APPROACH SLOPE | 20:1 | 34:1 | 34:1 | 20:1 | 20:1 | 20:1 |
| THRESHOLD ELEVATION | 209.0 | 210.0 | 210.0 | 231.5 | 231.5 | 236.0 |

| NO. | REVISIONS | BY | APP. | DATE |
|---|---|---|---|---|
| | | | | |

**BAMBERG COUNTY AIRPORT**
BAMBERG, SOUTH CAROLINA

**AIRPORT LAYOUT PLAN**

PEARSON Engineering
PLANNERS ENGINEERS SURVEYORS

| | | |
|---|---|---|
| DATE: Jan., 1994 | DESIGN: William R. Pearson | APPROVED: WRP |
| SCALE: 1"=400' | DRAWN: Michael F. Morgan | SHEET: 2 of 6 |