

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

**TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> BLUFFTON	<u>AIRPORT ID</u> 5G7	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> BLUFFTON	<u>STATE</u> OH	
<u>AIRPORT ELEVATION</u> 851	<u>TDZE</u> 850	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 11/18/2010	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
FBC VORTAC		CUDOD		TF	FO	1.00	058.41	4.32	2400
CUDOD	IF/IAF	ALPEW		TF	FB	1.00	236.85	6.22	2300
ALPEW	FAF	RW23	MAP	TF	FO	0.30	236.78	4.38	
RW23	MAP	1251 MSL		CA			236.78		
1251 MSL		FBC VORTAC		DF	FO	1.00			2500

**MISSED APPROACH**

**MAP:**

LNAV: RW23

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 2500 DIRECT FBC VORTAC AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD NE CUDOD, RT, 236.85 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 236.78 FAF: ALPEW DIST FAF TO MAP: 4.38 DIST FAF TO THLD: 4.38

4. MIN ALT: CUDOD 2400, ALPEW 2300

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT:

6. MIN GP INCPT: GP ALT AT FAF : OM: MM: IM:

7. GP ANGLE: 34:1: IS CLEAR 20:1: IS CLEAR TCH:

8. MSA FROM: RW23 3000



**PBN REQUIREMENTS NOTE:**

RNP APCH.

**NOTES:**

CHART NOTE: USE FINDLAY ALTIMETER SETTING; WHEN NOT RECEIVED USE LIMA ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET AND CIRCLING CAT D VISIBILITY 1/4 SM.

**ADDITIONAL FLIGHT DATA:**

CHART FINDLAY ASOS  
CHART CIRCLING ICON.  
ALPEW TO RW23: 3.03/43.  
FAS OBST: 1045 AAO 405511N/0834643W.  
HOLD NE, RT, 236.00 INBOUND

**MINIMUMS:**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

**ALTERNATE:** NA ☒

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LNAV MDA	1340	1	490	1340	1	490	1340	1 3/8	490	1340	1 1/2	490			
CIRCLING	1360	1	509	1520	1	669	1520	1 3/4	669	1520	2	669			

**CHANGES - REASONS**

1. RAISED LNAV MDA/HAT ALL CATS FROM 1280/430 TO 1340/490, RAISED CAT C VISIBILITY FROM 1 1/4 SM TO 1 3/8 SM - NOTAM FDC 8/0098, NEW CONTROLLING OBSTACLE, TARGETS EVALUATION AND VISCHECK CALCULATIONS.
2. INCREASED LNAV CIRCLING CMDA/HAA CAT A FROM 1340/489 TO 1360/509, CAT B FROM 1340/489 TO 1520/669, CAT C FROM 1340/489 TO 1520/669 AND INCREASED CIRCLING CAT C VISIBILITY FROM 1 1/2 SM TO 1 3/4 SM - NEW CONTROLLING OBSTACLE, TARGETS EVALUATION AND VISCHECK CALCULATIONS.
3. ADDED NOTE "CHART CIRCLING ICON" IN ADDITIONAL FLIGHT DATA - NEW CIRCLING CRITERIA APPLIED.
4. ADDED 20:1 IS CLEAR TO PROFILE LINE 7, IAW 8260.19H, 8-6-7 G(3) - NO 20:1 VISUAL SURFACE PENETRATIONS, TARGETS EVALUATION.
5. DELETED CHART FAS OBST: 981 TOWER 405526N/0834813W, ADDED FAS OBST: 1045 AAO 405511N/0834643W - NEW CONTROLLING OBSTACLE.
6. CHANGED CHART NOTE FROM "USE FINDLAY ALTIMETER SETTING; WHEN NOT RECEIVED USE LIMA ALLEN COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET AND CIRCLING CAT D VISIBILITY 1/4 MILE" TO "USE FINDLAY ALTIMETER SETTING; WHEN NOT RECEIVED USE LIMA ALTIMETER SETTING AND INCREASE ALL MDAS 20 FEET AND CIRCLING CAT C/D VISIBILITY 1/4 MILE" - MINIMUMS INCREASED, VISCHECK CALCULATIONS, CHANGE TO SINGLE ALTIMETER SOURCE USING CITY NAME IAW 8260.19H 8-3-4.B.
7. DELETED CHART NOTE: DME/DME RNP-03 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H PARA 8-6-8 B(1).
8. DELETED CHART NOTE: VISIBILITY REDUCTION BY HELICOPTER NA - NOTAM FDC 8/0098, NO 20:1 OR 34:1 PENETRATIONS EXIST, NO HELICOPTER VISIBILITY REDUCTION CHART NOTE REQUIRED.
9. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "ALPEW TO RW23 3.04/42" TO "ALPEW TO RW23 3.03/43" - TARGETS EVALUATION.
10. CHANGED LINE 7 FROM "34:1 IS NOT CLEAR" TO "34:1 IS CLEAR" - NO 34:1 OBSTACLES EXIST PER EVALUATION.
11. PROFILE SECTION, LINE 2, ADDED CUDOD MAX HOLDING ALTITUDE OF 6000 - NEW REPORT FORMAT CHANGE TO DOCUMENTATION.

QUALITY  
24  
CHECKED

AIRPORT  
BLUFFTON

AIRPORT ID  
5G7

PROCEDURE NAME  
RNAV (GPS) RWY 23

ORIGINAL/AMENDMENT  
ORIG-B

CITY  
BLUFFTON

STATE  
OH

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: TOL APP CON, ZOB, AMGR.

FLIGHT CHECKED BY

JAMES ONIEAL

*Digitally signed by*

**WARDELL HENNING**

Dec 19, 2019

OFFICE

FICO

DATE

12/15/19

DEVELOPED BY

WARDELL HENNING (GORDON LEMON)

*Digitally signed by*

**WARDELL HENNING**

Dec 19, 2019

OFFICE

AJV-A432

DATE

10/09/2019

APPROVED BY

LONNIE EVERHART

*Digitally signed by*

**WARDELL HENNING**

Dec 19, 2019

OFFICE

AJV-A430

DATE

TITLE  
MANAGER

QUALITY  
24  
CHECKED