

**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> BIGFORK MUNI	<u>AIRPORT ID</u> KFOZ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>CITY</u> BIGFORK	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1351	<u>TDZE</u> 1349	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 06/20/2019	<u>MAG VAR</u> 2E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MAY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
YOBRI	IAF	FOLIM	NOPT	TF	FB	1.00	033.05	26.22	4000
WIMJY	IAF	FOLIM	NOPT	TF	FB	1.00	349.97	14.59	4000
DUNEC	IAF	FOLIM	NOPT	TF	FB	1.00	238.98	12.14	4000
FOLIM	IF/IAF	WONOD		TF	FB	1.00	328.79	5.00	3000
WONOD	FAF	RW33	MAP	TF	FO	0.30	328.75	5.07	
RW33	MAP	1751 MSL		CA			328.75		
1751 MSL		BOYKI		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LP: RW33
LNAV: RW33

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT BOYKI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD SE FOLIM, RT, 328.79 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 328.75 **FAF:** WONOD **DIST FAF TO MAP:** 5.07 **DIST FAF TO THLD:** 5.07
- 4. **MIN ALT:** FOLIM 4000, WONOD 3000
- 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 NOT CLEAR **20:1:** IS CLEAR **TCH:**
- 8. **MSA FROM:** RW33 3100

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YOBRI ON V430 EASTBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIMJY ON V218 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

CHART BEAVER MOA
 WONOD TO RW33: 3.00/40.
 CHART VDP AT 1.48 NM TO RW33
 WAAS CHANNEL #40226
 REFERENCE PATH ID: W33A
 FAS OBST: 1610 AAO 474335N/0933628W.
 HOLD NW, RT, 148.60 INBOUND
 LTP HAE: 381.1 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LP MDA	1860	1	511	1860	1	511		NA			NA					
LNAV MDA	1860	1	511	1860	1	511		NA			NA					
CIRCLING	1860	1	509	1860	1	509		NA			NA					

CHANGES - REASONS

- 1. DELETED CHART PLANVIEW NOTE PROCEDURE NA FOR ARRIVALS AT DUNEC ON V217-505 SOUTHEAST BOUND - BDE VOR MON
- 2. INCORPORATED CHANGES FROM ORIG-A-D - IAW 8260.19H PARA 8-3-4C (2).
- 3. UPDATED CHART PLANVIEW NOTE FOR WIMJY ARRIVAL FROM V161 TO V218 - V161 NOT APPLICABLE.
- 4. ADDED NA WHEN LOCAL WEATHER NOT AVAILABLE - INCORRECTLY REMOVED AT LAST AMENDMENT.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZMP, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE *Digitally signed by* **DATE**

WARDELL HENNING

Mar 06, 2020

DEVELOPED BY

WARDELL HENNING (CASEY HILL)

Digitally signed by

WARDELL HENNING

Mar 06, 2020

OFFICE

AJV-A432

DATE

11/21/2019

APPROVED BY

GEORGE DAVIS

Digitally signed by

WARDELL HENNING

Mar 06, 2020

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFOZ
RUNWAY	RW33
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W33A
LTP/FTP LATITUDE	474644.9555N
LTP/FTP LONGITUDE	0933849.2485W
LTP/FTP ELLIPSOIDAL HEIGHT	+03811
FPAP LATITUDE	474802.6100N
FPAP LONGITUDE	0933953.9300W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	C927D3E6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04102
FPAP ORTHOMETRIC HEIGHT	+04102

