

**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 ID</u> KHBC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> MOHALL	<u>STATE</u> ND		
<u>AIRPORT ELEVATION</u> 1650	<u>TDZE</u> 1650	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 9E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 NOVEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 041/30 CW 221/30	NOPT	041/25 CW 221/25		4000
2. 041/25 CW 221/25		FODKA	IF/IAF	3600
3. 221/30 CW 311/30		WINCE	IAF	3600
4. 311/30 CW 041/30		311/15 CW 041/15		4000
5. 311/15 CW 041/15		TENAE	IAF	3600

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WINCE	IAF	FODKA	NOPT	TF	FB	1.00	220.80	7.00	3600
TENAE	IAF	FODKA	NOPT	TF	FB	1.00	040.59	7.00	3600
FODKA	IF/IAF	RIPLE		TF	FB	1.00	130.70	6.00	3300
RIPLE	FAF	RUBEY/2.55 NM TO RW13		TF	FB	0.30	130.77	2.51	
RUBEY/2.55 NM TO RW13		RW13	MAP	TF	FO	0.30	130.77	2.55	
RW13	MAP	3000 MSL		CA			130.77		3000
3000 MSL		FODKA		DF	FO	1.00			3600



MISSED APPROACH

MAP:

LPV: DA

LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 3600 DIRECT FODKA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD NW FODKA, RT, 130.70 INBOUND, 3600 FT. IN LIEU OF PT (IAF), MAX 4000.					
3. FAC:	130.77	FAF: RIPLE	DIST FAF TO MAP: 5.06		DIST FAF TO THLD: 5.06
4. MIN ALT:	FODKA 3600, RIPLE 3300, RUBEY/2.55 NM TO RW13 2500				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	327 HAT: 0.90	GS ANT:
6. MIN GP INCPT:	3300	GP ALT AT PFAF :	RIPLE 3300	OM:	MM:
7. GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: USE MINOT INTL ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART MINOT INTL ASOS.

CHART FAS OBST: 1769 TREE 484603N/1013318W.

1910 AAO 484921N/1013930W.

WAAS CHANNEL # 45844

REFERENCE PATH ID: W13A

CHART CIRCLING ICON.

LTP HAE: 481.6 M



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>
LPV DA	1977	1	327	1977	1	327	1977	1	327		NA				
LNAV MDA	2100	1	450	2100	1	450	2100	1 3/8	450		NA				
CIRCLING	2220	1	570	2220	1	570	2380	2	730		NA				

CHANGES - REASONS**COORDINATED WITH:**A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, MOT APP CON, AMGR**FLIGHT CHECKED BY**

JAMES D ARNOLD

Digitally signed by

ALLAN WILL

Aug 12, 2022

OFFICE

FPO

DATE

08/09/2022

DEVELOPED BY

ALLAN WILL (CHRISTOPHER MENDENHALL)

Digitally signed by

CHRIS MENDENHALL

Jun 21, 2022

OFFICE

AJV-A423

DATE

05/26/2022

APPROVED BY

MARLON ROBINSON

Digitally signed by

ALLAN WILL

Aug 12, 2022

OFFICE

AJV-A420

DATE**TITLE**
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHBC
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	484621.5610N
LTP/FTP LONGITUDE	1013232.8400W
LTP/FTP ELLIPSOIDAL HEIGHT	+04816
FPAP LATITUDE	484513.5185N
FPAP LONGITUDE	1013105.9875W
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	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	8544F05A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05024
FPAP ORTHOMETRIC HEIGHT	+05024