

**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> KBIL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> BILLINGS	<u>STATE</u> MT		
<u>AIRPORT ELEVATION</u> 3662	<u>TDZE</u> 3586	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 10E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 JUNE 2021	<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>
BIL VORTAC		MUMEE		TF	FO	1.00	075.30	14.67	6000
NIBBE	IAF	MUMEE	NOPT	TF	FB	1.00	224.70	11.26	6000
SEXPE	IAF	MUMEE	NOPT	TF	FB	1.00	311.94	17.39	6000
MUMEE	IF/IAF	FASOK		TF	FB	1.00	254.23	5.88	5200
FASOK	FAF	RW25	MAP	TF	FO	0.30	254.08	5.12	
RW25	MAP	3836 MSL		CA			254.08		
3836 MSL		OLOLE		DF	FB	1.00			
OLOLE		OXIVY		TF	FO	1.00	300.00	6.88	6000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6000 DIRECT OLOLE AND ON TRACK 300.00 TO OXIVY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD E MUMEE, RT, 254.23 INBOUND, 6000 FT. IN LIEU OF PT (IAF), MAX 10000.

3. FAF: 254.08FAF: FASOKDIST FAF TO MAP: 5.12DIST FAF TO THLD: 5.12

4. MIN ALT: MUMEE 6000, FASOK 5200

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.84GS ANT:

6. MIN GP INCPT: 5200GP ALT AT FAF : FASOK 5200OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 36.0

8. MSA FROM: RW25 8300

PBN REQUIREMENTS NOTE:

RNP APCH-GPS

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BIL VORTAC AIRWAY RADIALS 045 CW 160.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.22 NM TO RW25
CHART FAS OBST: 3707 CONTROL_TOWER (30-020569) 454814N/1083223W.
LTP HAE: 1063.8 M
HOLD W, RT, 111.00 INBOUND.
WAAS CHANNEL # 78028
REFERENCE PATH ID: W25A
CHART CIRCLING ICON.
LTP HAE: 1063.8 M

MINIMUMS:

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

ALTERNATE: NA

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STANDARD - CAT D 1000-3

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
LPV DA	3836	1	250	3836	1	250	3836	1	250	3836	1	250			
LNAV/VNAV DA	3920	1 3/8	334	3920	1 3/8	334	3920	1 3/8	334	3920	1 3/8	334			
LNAV MDA	3960	1	374	3960	1	374	3960	1	374	3960	1	374			
CIRCLING	4100	1	438	4160	1	498	4180	1 1/2	518	4580	3	918			



CHANGES - REASONS

1. UPDATED AIRPORT ELEVATION FROM 3652 TO 3662. - NEW AIRNAV DATA.
2. UPDATED RNP ON FEEDER ROUTE BIL VORTAC TO MUMEE FROM 2 TO 1 - 8269.19I REQUIREMENT.
3. DELETED CHART NOTE: DME/DME RNP-0.3 NA. - 8260.19I REQUIREMENT.
4. ADDED PBN EQUIPMENT NOTE: RNP APCH-GPS - 8260.19I REQUIREMENT.
5. REMOVED FAHRENHEIT FROM CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -25°C (-13°F) OR ABOVE 54°C (130°F). - 8260.19I REQUIREMENT.
6. CIRCLING HAAS CHANGED FROM CAT A 448 TO 438, CAT B 508 TO 498, CAT C 528 TO 518, CAT D 928 TO 918. - AIRPORT ELEVATION RAISED TEN FEET.
7. ADDED MAX HOLDING ALT TO LINE 2 OF PROFILE VIEW. - NEW DATA.
8. ADDED 20:1 IS CLEAR TO LINE 7. - 8260.19I REQUIREMENT.
9. ADDED RNP 1.0 TO OLOLE POINT IN TERMINAL ROUTES. - 8260.19I REQUIREMENTS.
10. CHANGED CHART VDP AT 1.22 NM TO RW25* TO CHART VDP AT 1.22 NM TO RW25. - 8260.19I REQUIREMENT.
11. CHANGED CHART FAS OBST: 3707 CONTROL_TOWER 454814N/1083223W. TO CHART FAS OBST: 3707 CONTROL_TOWER (30-020569) 454814N/1083223W. - 8260.19I REQUIREMENT.
12. REMOVED *LNAV ONLY FROM ADDITIONAL FLIGHT DATA. 8260.19I REQUIREMENT.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: BIL APCH, BIL ATCT, AMGR, ZLC

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

JON DENTON (JOHN KEEFER)

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Feb 25, 2021

Digitally signed by

JON DENTON

Feb 25, 2021

OFFICE

OFFICE

OFFICE

AJV-A430

Digitally signed by

JON DENTON

Feb 25, 2021

DATE

DATE

DATE

01/08/2021

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBIL
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	454833.3190N
LTP/FTP LONGITUDE	1083213.0200W
LTP/FTP ELLIPSOIDAL HEIGHT	+10638
FPAP LATITUDE	454823.9775N
FPAP LONGITUDE	1083419.6900W
THRESHOLD CROSSING HEIGHT (TCH)	00036.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	10529B1A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+10771
FPAP ORTHOMETRIC HEIGHT	+10771