

US DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
BIL VORTAC	MUMEE (FO)	071.30 / 14.67	6000	LPV: DA LNAV/VNAV: DA LNAV: RW25
NIBBE (IAF)	MUMEE (NOPT) (FB)	220.70 / 11.26	6000	
SEXPE (IAF)	MUMEE (NOPT) (FB)	307.94 / 17.39	6000	CLIMB TO 6000 DIRECT OLOLE AND ON TRACK 296.00 TO OXIVY AND HOLD.
MUMEE (IF/IAF)	FASOK (FB)	250.21 / 5.94	5200	
FASOK (FAF)	RW25 (MAP) (FO)	250.11 / 5.06		ADDITIONAL FLIGHT DATA: HOLD W, RT, 107.00 INBOUND. CHART FAS OBST: 3707 ANT 454814N/1083223W DISTANCE TO THLD FROM 250 HATH: 0.61 NM. CHART VDP AT 1.23 MILES TO RW25* *LNAV ONLY. WAAS CHANNEL # 78028 REFERENCE PATH ID: W25A LTP HAE: 1063.8 M
RW25 (MAP)	3784 MSL	250.11		
3784 MSL	OLOLE (FB)			
OLOLE	OXIVY (FO)	296.00 / 6.88	6000	

- PT        SIDE OF COURSE        OUTBOUND        FT WITHIN        MILES OF        (IAF)
- HOLD E MUMEE, RT, 250.21 INBOUND, 6000 FT. IN LIEU OF PT (IAF)
- FAC: 250.11 FAF: FASOK DIST FAF TO MAP: 5.06 THLD: 5.06
- MIN. ALT: MUMEE 6000, FASOK 5200
- DIST TO THLD FROM OM:        MM:        IM:        150 HAT:        100 HAT:        GS ANT:
- MIN GS INCPT: 5200 GS ALT AT: FASOK 5200 OM:        MM:        IM:
- GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR
- MSA FROM: RW25 8300

MAG VAR: 14E

EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD						
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	3784	3/4	250	3784	3/4	250	3784	3/4	250	3784	3/4	250			
LNAV/VNAV DA	3868	1 1/8	334	3868	1 1/8	334	3868	1 1/8	334	3868	1 1/8	334			
LNAV MDA	3960	1	426	3960	1	426	3960	1 1/4	426	3960	1 1/4	426			
CIRCLING	4160	1	508	4180	1	528	4180	1 1/2	528	4220	2	568			

NOTES:  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -27C (-16F) OR ABOVE 21C (69F).  
CHART NOTE: DME/DME RNP-0.3 NA.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON BIL VORTAC AIRWAY RADIALS 117CW160.

CITY AND STATE BILLINGS, MT	ELEVATION: 3652 THRE: 3534 AIRPORT NAME: BILLINGS LOGAN INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 31 MAY 2012	SUP:
				AMDT: ORIG-B
				DATED 10/20/2011

QUALITY  
2  
CHECKED

## U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

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	1083212.9890W
LTP/FTP ELLIPSOIDAL HEIGHT	+10638
FPAP LATITUDE	454824.0200N
FPAP LONGITUDE	1083419.6700W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
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

301310F9

ADDITIONAL PATH POINT RECORD INFORMATION

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

CITY AND STATE

BILLINGS, MT

ELEVATION: 3652

THRE: 3534

AIRPORT NAME:

BILLINGS LOGAN INTL

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, AMDT 1

31 MAY 2012

SUP:

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QUALITY  
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SUSAP KBILK1GRW25 0055032500 N45483332W108321299+1900 +1063803534000055075R

SUSAP KBILK1PR25	RW25 001	0000W25A0N4548333190W10832129890+106380300N4548240200W10834196700106751072000550F400500301310F9
SUSAP KBILK1PR25	RW25 002E	+10771+10771LEV 78028

SUSAP KBILK1SRW25 K1PG 0 18018008325

QUALITY  
1  
CHECKED

ELEVATION: 3652	THRE: 3534
AIRPORT NAME:	
BILLINGS LOGAN INTL	

**FACILITY IDENTIFIER:**  
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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:  
RNAV (GPS) RWY 25, AMDT 1  
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