

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> BVY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> BEVERLY	<u>STATE</u> MA
<u>AIRPORT ELEVATION</u> 107	<u>TDZE</u> 86	<u>SUPERSEDED</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 12/07/2017
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 DECEMBER 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 16W
				<u>EPOCH YEAR</u> 1985
				<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>
COLLE	IAF	EXXRO		TF	FB	1.00	162.33	6.03	2000
RIKAH	IAF	EXXRO		TF	FB	1.00	097.09	10.12	2000
EXXRO	IF	DIXNN		TF	FB	1.00	106.39	6.66	1800
DIXNN	FAF	ZAPOB/1.23 NM TO MEMAE		TF	FB	0.30	105.27	3.50	
ZAPOB/1.23 NM TO MEMAE		MEMAE	MAP	TF	FO	0.30	105.27	1.23	
MEMAE	MAP	600 MSL		CA			105.27		600
600 MSL		WAKBI		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LP: MEMAE
LNAV: MEMAE

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2000 DIRECT WAKBI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT EXXRO
- FAC: 105.27 FAF: DIXNN DIST FAF TO MAP: 4.74 DIST FAF TO THLD: 5.25
- MIN ALT: EXXRO 2000, DIXNN 1800, ZAPOB/1.23 NM TO MEMAE 700
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: MM: IM:
- MIN GP INCPT: GP ALT AT FAF: OM: MM: IM:
- GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH:
- MSA FROM: MEMAE 2500

QUALITY
10
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: STRAIGHT-IN RWY 9 NA AT NIGHT, CIRCLING RWY 9 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART MINIMUM 2000 AT COLLE.
CHART MINIMUM 3000 AT RIKAH.
HOLD S, LT, 021.00 INBOUND.
CHART FAS OBST: 292 VEGETATION (25-047676) 423513N/0705636W, 215 BLDG_TWR (25-020412) 423427N/0705638W.
CHART 217 TREE 423423N/0705740W.
WAAS CHANNEL # 65640
REFERENCE PATH ID: W09A
FAC CROSSES RWY C/L EXTENDED 3157 FT FROM THLD.
CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 15.08 DEGREES.
DIXNN TO RW09: 3.08/55.
CHART CIRCLING ICON.
FICTITIOUS THRESHOLD POINT (CFCGF) DO NOT CHART.
FTP HAE: -5.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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	480	1	394	480	1	394	480	1 1/8	394	480	1 1/8	394			
LNAV MDA	560	1	474	560	1	474	560	1 3/8	474	560	1 3/8	474			
CIRCLING	600	1	493	600	1	493	820	2	713	820	2 1/4	713			



CHANGES - REASONS

1. INCORPORATED P-NOTAM 7/0974 FOR AMDT ORIG-A.
2. CHANGED DISTANCE IN SEGMENT EXXRO TO DIXNN FROM "6.65" TO "6.66" AND SEGMENT DIXNN TO ZAPOB FROM "3.52" TO "3.50" IN TERMINAL ROUTES -- FIX DIXNN RELOCATED.
3. CHANGED MAP AND CA LEG SEGMENTS FROM "500 MSL" TO "600 MSL" AND ALTITUDE FROM "500" TO "600" IN TERMINAL ROUTES -- MA CHANGED.
4. CHANGED MA INSTRUCTIONS FROM "CLIMB TO 500..." TO "CLIMB TO 600..." -- CA LEG MUST TERMINATE AT LEAST 400 FEET ABOVE AIRPORT ELEVATION; UPDATED IAW 8260.58B, 3-5-2.A(1).
5. CHANGED DISTANCE FAF TO MAP FROM "4.75" TO "4.74" AND DISTANCE TO THLD FROM "5.26" TO "5.25" IN PROFILE LINE 3 -- FIX DIXNN RELOCATED.
6. CHANGED MINIMUM ALTITUDE AT MEMAE FROM "680" TO "700" IN PROFILE LINE 4 -- NEW CONTROLLING OBSTACLE.
7. ADDED "20:1 IS NOT CLEAR" IN PROFILE LINE 7 -- CONFIRMED BY P-NOTAM 7/0974; UPDATED IAW 8260.19I, 8-6-7.G(3)(A).
8. DELETED CHART NOTE "DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE "RNP APCH - GPS" -- UPDATED IAW 8260.19I, 8-6-8.B(2).
9. ADDED "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE (ANGLE)/TCH (FEET))" -- FLIGHT CHECKED NOT COINCIDENT.
10. CHANGED FAS OBST FROM "CHART FAS OBST: 217 BLDG 423427N/0705638W" AND "CHART FAS OBST: 292 BUSH 423513N/0705636W" TO "CHART FAS OBST: 292 VEGETATION (25-047676) 423513N/0705636W, 215 BLDG_TWR (25-020412) 423427N/0705638W" -- NEW CONTROLLING OBSTACLES.
11. UPDATED AND MOVED BACKUP ALTIMETER NOTE TO 8260-9 GENERAL REMARKS -- UPDATED IAW 8260.19I, 8-6-9.F(3).
12. CHANGED CIRCLING CAT A/B CMDA/HAA FROM "680/573" TO "600/493", CIRCLING CAT D CMDA/HAA FROM "880/773" TO "820/713", AND CIRCLING CAT D VISIBILITY FROM "2 1/2" TO "2 1/4" -- NEW CONTROLLING OBSTACLES.
13. DELETED "CHART PLANVIEW NOTE ADJACENT TO COLLE: RADAR REQUIRED" -- RADAR NOT REQUIRED FOR RNAV PROCEDURES.
14. CHANGED FINAL APPROACH COURSE OFFSET NOTE FROM "15" TO "15.08" DEGREES -- RECALCULATED IN TARGETS 7.1.
15. CRC REMAINDER CHANGED FROM "7C009F68" TO "62E39751" -- FTP COORDINATES CHANGED FROM "423438.9680N/0705528.9950W" TO "423438.9775N/0705527.5415W", FPAP FROM "423439.9605N/0705328.4040W" TO "423439.9705N/0705326.9510W", AND GLIDEPATH ANGLE FROM "3.00" TO "3.08".
16. CHANGED DIXNN TO RW09 FROM "3.00/55" TO "3.08/55" -- FIX DIXNN RELOCATED.

11/16/23: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10/31/23.

1. DELETED "COLLE 2000" AND "RIKAH 3000" IN PROFILE LINE 4 -- PROFILE STARTS AT EXXRO.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZBW, BOS APP, BVY ATCT, AMGR

FLIGHT CHECKED BY

ROBERT STEPHEN PRESSLER

*Digitally signed by***MICHAEL GARRITY**

Nov 17, 2023

OFFICE

FIOG

DATE

10/25/2023

DEVELOPED BY

MICHAEL R. GARRITY JR. (DANIEL C JOHNSEN)

*Digitally signed by***MICHAEL GARRITY**

Nov 17, 2023

OFFICE

AJV-A423

DATE

07/25/2023

APPROVED BY

MICHAEL R. GARRITY JR.

*Digitally signed by***MICHAEL GARRITY**

Nov 17, 2023

OFFICE

AJV-A423

DATE

12/28/2023

TITLE

MANAGER



AIRPORT ID
BVY

PROCEDURE NAME
RNAV (GPS) RWY 9

ORIGINAL/AMENDMENT
1

CITY
BEVERLY

STATE
MA

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBVY
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	423438.9775N
LTP/FTP LONGITUDE	0705527.5415W
LTP/FTP ELLIPSOIDAL HEIGHT	-00052
FPAP LATITUDE	423439.9705N
FPAP LONGITUDE	0705326.9510W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.08
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	00.0

CRC REMAINDER	62E39751
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00218
FPAP ORTHOMETRIC HEIGHT	+00218

