

**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><b>AIRPORT ID</b></u> BDR	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 24	<u><b>ORIGINAL/AMENDMENT</b></u> 2	<u><b>CITY</b></u> BRIDGEPORT	<u><b>STATE</b></u> CT
<u><b>AIRPORT ELEVATION</b></u> 9	<u><b>TDZE</b></u> 7	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 24	<u><b>DATED</b></u> 11/30/2023	<u><b>MAG VAR</b></u> 13W
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>		<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>EPOCH YEAR</b></u> 1980
		<u><b>ACTUAL EFFECTIVE DATE</b></u> 12 JUNE 2025		<u><b>CANCEL/SUSPEND</b></u>

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
DWAIN	IF/IAF	MILUM		TF	FB	1.00	233.33	6.20	1800
MILUM	FAF	WIMAK/1.56 NM TO RW24		TF	FB	0.30	238.05	3.12	
WIMAK/1.56 NM TO RW24		RW24	MAP	TF	FO	0.30	238.05	1.56	
RW24	MAP	500 MSL		CA			238.05		500
500 MSL		STANE		DF	FO	1.00			1800

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW24

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 500, THEN CLIMB TO 1800 DIRECT STANE AND HOLD, CONTINUE CLIMB-IN-HOLD 1800.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. **PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF**    (IAF)
2. HOLD NE DWAIN, LT, 233.33 INBOUND, 2600 FT. IN LIEU OF PT (IF/IAF), MAX 10000.
3. **FAC:** 238.05                      **FAF:** MILUM                      **DIST FAF TO MAP:** 4.68                      **DIST FAF TO THLD:** 4.68
4. **MIN ALT:** DWAIN 2600, MILUM 1800, WIMAK/1.56 NM TO RW24 640
5. **DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **294 HAT:** 0.65                      **GS ANT:**
6. **MIN GP INCPT:** 1800                      **GP ALT AT PFAF:** MILUM 1800                      **OM:**                      **MM:**                      **IM:**
7. **GP ANGLE:** 3.50                      **34:1:** IS NOT CLEAR                      **20:1:** IS CLEAR                      **TCH:** 54.0
8. **MSA FROM:** RW24 2700



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: CIRCLING TO RWY 11, 29 NA AT NIGHT.  
 CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C OR ABOVE 47°C.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DWAIN ON T315 NORTHEAST BOUND.

**ADDITIONAL FLIGHT DATA:**

HOLD SW, RT, 060.16 INBOUND.  
 CHART FAS OBST: 130 TREE 410927N/0730706W.  
 CHART 151 ANTENNA (09-046890) 411134N/0730602W.  
 CHART VDP AT 1.01 NM TO RW24.  
 WAAS CHANNEL # 49047  
 REFERENCE PATH ID: W24A  
 CHART CIRCLING ICON.  
 LTP HAE: -27.9 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - CAT C 900-2 1/2, CAT D 900-2 3/4

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>												
LPV DA	301	1	294	301	1	294	301	1	294	301	1	294			
LNAV/VNAV DA	311	1	304	311	1	304	311	1	304	311	1	304			
LNAV MDA	380	1	373	380	1	373	380	1	373	380	1	373			
CIRCLING	480	1	471	620	1	611	820	2 1/2	811	820	2 3/4	811			



**CHANGES - REASONS**

1. TERMINAL ROUTES: UPDATED DWAIN FROM "IF" TO "IF/IAF" AND UPDATED DWAIN TO MILUM COURSE AND DISTANCE FROM "235.04 / 6.19" TO "233.33 / 6.20" - IAW 8260.3F 2-4-1 C, FAF MILUM MOVED 1120 FT SOUTHEAST.
2. TERMINAL ROUTES: UPDATED MILUM TO WIMAK NAME / COURSE / DISTANCE FROM "WIMAK TO RW24 / 238.05 / 3.12" TO "WIMAK/1.56 NM TO RW24 / 238.05 / 3.12" - FAF MILUM AND SDF WIMAK/1.56 NM TO RW24 MOVED, FAC UPDATED.
3. TERMINAL ROUTES: UPDATED WIMAK TO RW24 NAME / COURSE DISTANCE FROM "WIMAK NM TO RW24 / 235.79 / 1.60" TO "WIMAK/1.56 NM TO RW24 / 238.05 / 1.56" - SDF WIMAK/1.56 NM TO RW24 MOVED, FAC UPDATED.
4. TERMINAL ROUTES: CA LEG COURSE / ALTITUDE UPDATED FROM "235.79 / 340" TO "238.05 / 500" - FAC UPDATED, IAW 8260.58C 3-5-2 B.
5. MISSED APPROACH MAP: ADDED "LPV: DA, LNAV/VNAV: DA" - ATC REQUEST TO ADD LPV AND LNAV/VNAV.
6. MISSED APPROACH INSTRUCTIONS: UPDATED FROM "CLIMB TO 1800 DIRECT STANE AND HOLD" TO "CLIMB TO 500, THEN CLIMB TO 1800 DIRECT STANE AND HOLD, CONTINUE CLIMB-IN-HOLD 1800" - ADDED CIH, IAW 8260.58C 3-5-2 A. (2).
7. PROFILE LINE 2: UPDATED COURSE FROM "235.04 INBOUND" TO "233.33 INBOUND" AND UPDATED FROM "IAF" TO "IF/IAF" - UPDATED INTERMEDIATE LEG COURSE AND IAW 8260.3F 2-4-1 C.
8. PROFILE LINE 3: UPDATED FAC / DIST FAF TO MAP AND DIST FAF TO THLD FROM "235.79 / 4.67" TO "238.05 / 4.68" - UPDATED FAC AND DISTANCE.
9. PROFILE LINE 4: UPDATED NAME FROM "WIMAK" TO "WIMAK/1.56 NM TO RW 24" - SDF MOVED.
10. PROFILE LINE 5: ADDED "294 HAT: 0.65" - IAW 8260.19J 8-6-7 E.(3).
11. PROFILE LINE 6: ADDED "GP ANGLE: 3.50" AND "TCH: 54.0" UPDATED 20:1 FROM "IS NOT CLEAR" TO "IS CLEAR" - IAW 8260.19J 8-6-7 F, 20:1 IS CLEAR.
12. NOTES: UPDATED FROM "CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19J 8-6-12 K.(2).
13. NOTES UPDATED FROM "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT" TO "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19J 8-6-10 M.(1).
14. NOTES: ADDED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14°C OR ABOVE 47°C" - IAW 8260.19J 8-6-10 R.
15. NOTES: ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DWAIN ON T315 NORTHEAST BOUND" - IAW 8260.19J 8-2-5 G. (2).
15. ADDITIONAL FLIGHT DATA: FAS OBST UPDATED FROM "CHART FAS OBST: 82 TREE (09-020953) 411006N/0730645W" TO "CHART FAS OBST: 130 TREE 410927N/0730706W" - NEW FAS OBSTACLE.
16. ADDITIONAL FLIGHT DATA: ADDED 7:1 OBSTACLE "CHART 151 ANTENNA (09-046890) 411134N/0730602W" - ADDED 7:1 OBSTACLE IAW 8260.19J 8-6-11 E. (1).
17. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 1.01 NM TO RW24" - ADDED VDP, 20:1 IS CLEAR.
18. ADDITIONAL FLIGHT DATA: REMOVED "MILUM TO RW24: 3.50/54" - IAW 8260.19J 8-6-11 O.(1).
19. ADDITIONAL FLIGHT DATA: ADDED "WAAS CHANNEL # 49047, REFERENCE PATH ID: W24A, AND LTP HAE: -27.9 M" - IAW 8260.19J 8-6-11 J.
20. MINIMUMS: ADDED LPV ALL CATS DA / VIS / HAT "301 / 1 / 294" - ATC REQUEST.
21. MINIMUMS: ADDED LNAV/VNAV ALL CATS DA / VIS/ HAT "311 / 1 / 304" - ATC REQUEST.

**COORDINATED WITH:**

**A4A**
 **ALPA**
 **AOPA**
 **APA**
 **HAI**
 **NBAA**
**OTHER:** ZBW, N90 APP, BDR ATCT, AMGR

**FLIGHT CHECKED BY**

CHRISTOPHER R VANDEVEER

*Digitally signed by*

**ALLAN WILL**  
May 02, 2025

**OFFICE**

AJF

**DATE**

05/01/2025

**DEVELOPED BY**

DANIEL WESTON

*Digitally signed by*

**DANIEL L WESTON**  
Jan 28, 2025

**OFFICE**

AJV-A422

**DATE**

12/11/2024

**APPROVED BY**

RAKE MCGRAW

*Digitally signed by*

**ALLAN WILL**  
May 02, 2025

**OFFICE**

AJV-A422

**DATE**

**TITLE  
MANAGER**



**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBDR
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	410955.7910N
LTP/FTP LONGITUDE	0730714.7585W
LTP/FTP ELLIPSOIDAL HEIGHT	-00279
FPAP LATITUDE	410852.7435N
FPAP LONGITUDE	0730838.1550W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1424
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 0C4F18C0

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00020
FPAP ORTHOMETRIC HEIGHT	+00020

