

**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> KRVF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> TWIN BRIDGES	<u>STATE</u> MT		
<u>AIRPORT ELEVATION</u> 4789	<u>TDZE</u> 4789	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 12/31/2020	<u>MAG VAR</u> 12E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MAY 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HIA VOR/DME	IAF	DISLE		TF	FB	1.00	188.84	8.74	7500
DISLE	IF	CELGA		TF	FB	1.00	187.71	5.34	6700
CELGA	FAF	ELOIN/2.78 NM TO RW17		TF	FB	0.30	173.45	3.08	
ELOIN/2.78 NM TO RW17		RW17	MAP	TF	FO	0.30	173.45	2.78	
RW17	MAP	5064 MSL		CA			173.45		
5064 MSL		GNAWS		DF	FB	1.00			
GNAWS		DLN VOR/DME		TF	FO	1.00	211.25	14.21	11100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 11100 DIRECT GNAWS AND ON TRACK 211.25 TO DLN VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 11100.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. TERMINAL ROUTES: UPDATED "DISLE TO CELGA" DISTANCE FROM "5.35" TO "5.34" AND COURSE FROM "188.18" TO "187.71" - UPDATED PFAF LOCATION USING VGSI GPA AND TCH PER FPT REQUEST.
2. TERMINAL ROUTES: UPDATED FROM "CELGA TO ELOIN/1.70 NM TO FAMIT" TO "CELGA TO ELOIN/2.78 NM TO RW17" DISTANCE FROM "3.28" TO "3.08" UPDATED PFAF AND SDF LOCATION USING VGSI GPA AND TCH PER FPT REQUEST.
3. TERMINAL ROUTES: UPDATED TO "ELOIN/2.78 NM TO RW17" DISTANCE FROM "1.70" TO "2.78"- UPDATED PFAF AND SDF LOCATION USING VGSI GPA AND TCH PER FPT REQUEST.
4. TERMINAL ROUTES: UPDATED FROM "FAMIT TO 5174" TO "RW17 TO 5064 MSL"- UPDATED MAP TO LTP.
5. MISSED APPROACH: CHANGED LNAV MAP FROM "FAMIT" TO "RW17"- PER FPT REQUEST.
6. PROFILE LINE 3: UPDATED DIST FAF TO MAP "4.98" TO "5.86" - NEW PFAF AND SDF LOCATIONS USING VGSI GPA AND TCH PER FPT REQUEST.
7. PROFILE LINE 4: UPDATED MIN ALT FROM "DISLE 7500, CELGA 6700, ELOIN/1.70 NM TO FAMIT 5640*" TO "DISLE 7500, CELGA 6700, ELOIN/2.78 NM TO RW17 5720" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
8. PROFILE LINE 5: CHANGED "385 HAT: 1.07" TO "275 HAT: 0.72" - IAW 8260.19I 8-6-7 E(3).
9. PBN REQUIREMENTS NOTE: UPDATED FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I 8-6-8 B(2).
10. NOTES: ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HIA VOR/DME ON V21 NORTHBOUND" - IAW 8260.3E 2-3-1 A, 8260.19I 8-2-5 E.
11. ADDITIONAL FLIGHT DATA: UPDATED FAS OBST FROM "5069 AAO 453355N/1121701W" TO "5049 TREE 453415N/1121656W" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
12. ADDITIONAL FLIGHT DATA: UPDATED FROM "CHART VDP AT 1.07 NM TO FAMIT" TO "CHART VDP AT 1.51 NM TO RW17" - UPDATED FAC IAW 8260.3E 2-6-5 A, 8260.19I 8-6-10 M.
13. ADDITIONAL FLIGHT DATA: REMOVED "FAC CROSSES RWY C/L EXTENDED 5323 FT FROM THLD" - UPDATED FAC.
14. ADDITIONAL FLIGHT DATA: REMOVED NOTE "LNAV ONLY" - NO LONGER REQUIRED IAW 8260.19I 8-6-9 A(4).
15. ADDITIONAL FLIGHT DATA: REMOVED NOTE "FICTITIOUS THRESHOLD POINT (CFVCZ) DO NOT CHART" - UPDATED MAP TO LTP.
16. MINIMUMS: ALTERNATE: UPDATED FROM "CAT A, B, C 800-2 1/2, CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" - UPDATED MINS/VIS.
17. MINIMUMS: UPDATED LPV MINS CATS A/B/C/D DA/HAT FROM "5174/385" TO "5064/275" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
18. MINIMUMS: UPDATED LNAV/VNAV MINS CATS A/B/C/D DA/HAT FROM "5579/790" TO "5443/654" AND VIS FROM "2 1/2" TO 1 7/8" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
19. MINIMUMS: UPDATED LNAV MINS CATS A/B/C/D DA/HAT FROM "5440/651" TO "5300/511" AND CAT A/B VIS FROM "1 1/8" TO "1," CAT C/D VIS FROM "1 7/8" TO 1 3/8" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
20. MINIMUMS: UPDATED CIRCLING MINS CATS A/B/C/D MDA/HAA FROM "5440/651," "5440/651," "5480/691," AND "5620/831" TO CATS A/B/C "5300/511" AND CAT D "5460/671" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
21. MINIMUMS: UPDATED CIRCLING VIS FROM CATS A/B "1 1/4," CAT C "2," AND CAT D "2 3/4" TO CAT A/B "1" CAT C "1 1/2," CAT D "2 1/4" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
22. UPDATED CRC REMAINDER FROM "39797DE7" TO "C8013200," FTP/LTP LAT LONGS FROM "453241.0660N/1121802.3730W" TO "453240.8045N/1121758.4700W" AND FPAP LAT/LONGS FROM "453112.3850N/1121814.3865W" TO "453112.1235N/1121810.4835W" - CHANGED FTP TO LTP.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZLC, AMGR

FLIGHT CHECKED BY

GARY J VEER

Digitally signed by

JASON KRETSCHMER

Mar 01, 2022

OFFICE

FPO

DATE

02/28/2022

DEVELOPED BY

JASON KRETSCHMER (JUDITH TUTTLE)

Digitally signed by

JASON KRETSCHMER

Feb 07, 2022

OFFICE

AJV-A421

DATE

01/20/2022

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Feb 07, 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	KRVF
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	453240.8045N
LTP/FTP LONGITUDE	1121758.4700W
LTP/FTP ELLIPSOIDAL HEIGHT	+14480
FPAP LATITUDE	453112.1235N
FPAP LONGITUDE	1121810.4835W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	C8013200

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+14596
FPAP ORTHOMETRIC HEIGHT	+14596

