

**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 35	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> TWIN BRIDGES	<u>STATE</u> MT	
<u>AIRPORT ELEVATION</u> 4789	<u>TDZE</u> 4774	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 12/31/2020	<u>MAG VAR</u> 12E
<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>	<u>EPOCH YEAR</u> 2020

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
DLN VOR/DME	IAF	FELIK		TF	FB	1.00	047.88	8.94	7600
FELIK	IF	GNARS		TF	FB	1.00	007.49	4.22	7500
GNARS		DURPE		TF	FB	1.00	007.65	2.02	6860
DURPE	FAF	ERUTE/2.93 NM TO RW35		TF	FB	0.30	353.42	3.52	
ERUTE/2.93 NM TO RW35		RW35	MAP	TF	FO	0.30	353.42	2.93	
RW35	MAP	5500 MSL		CA			353.42		5500
5500 MSL		DLN VOR/DME		DF	FO	1.00			11100

**MISSED APPROACH**

19 MAY 2022

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW35

**MISSED APPROACH INSTRUCTIONS:**

(DO NOT EXCEED 185 KIAS UNTIL DLN VOR/DME) CLIMB TO 5500 THEN CLIMBING LEFT TURN TO 11100 DIRECT DLN VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 11100.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**





**CHANGES - REASONS**

1. TERMINAL ROUTES: UPDATED "GNARS TO DURPE" DISTANCE FROM "2.21" TO "2.02" AND COURSE FROM "007.51" TO "007.65" - UPDATED PFAF LOCATION USING VGSI GPA AND TCH PER FPT REQUEST.
2. TERMINAL ROUTES: UPDATED FROM "DURPE TO ERUTE/2.10NM TO CAVUL" TO "DURPE TO ERUTE/2.93NM TO RW35" DISTANCE FROM "3.37" TO "3.52" UPDATED PFAF AND SDF LOCATION USING VGSI GPA AND TCH PER FPT REQUEST.
3. TERMINAL ROUTES: UPDATED TO "ERUTE/2.93NM TO RW35" DISTANCE FROM "2.10" TO "2.93"- UPDATED PFAF AND SDF LOCATION USING VGSI GPA AND TCH PER FPT REQUEST.
4. TERMINAL ROUTES: UPDATED "RW35 TO 5500 MSL" - RELOCATED FAF AND SDF, UPDATED FAC.
5. MISSED APPROACH: CHANGED LNAV MAP FROM "CAVUL" TO "RW35"- PER FPT REQUEST.
6. PROFILE LINE 3: UPDATED DIST FAF TO MAP AND DIST FAF TO THLD FROM "5.47" AND "6.26" TO "6.45" - NEW PFAF AND SDF LOCATIONS USING VGSI GPA AND TCH PER FPT REQUEST.
7. PROFILE LINE 4: UPDATED MIN ALT FROM "FELIK 7600, GNARS 7300, DURPE 6800, ERUTE/2.10 NM TO CAVUL 5720\*" TO "FELIK 7600, GNARS 7500, DURPE 6860, ERUTE/2.87 NM TO RW35 5740" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
8. PROFILE LINE 5: CHANGED "346 HAT: 0.99" TO "250 HAT" 0.69" - IAW 8260.191 8-6-7 E(3).
9. PROFILE LINE 6: UPDATED MIN GP INCPY AND GP ALT AT PFAF FROM "6800" TO "6860" - IAW 8260.191 8-6-7 F.
10. PBN REQUIREMENTS NOTE: UPDATED FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.191 8-6-8 B(2).
11. NOTES: ADDED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DLN VOR/DME AIRWAY RADIALS 332 CW 005" - IAW 8260.3E 2-3-1 A, 8260.191 8-2-5 E.
12. ADDITIONAL FLIGHT DATA: UPDATED CHART FAS OBST FROM "4979 TREE 453135N/1121715W" TO "4903 TREE 453136N/1121712W" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
13. ADDITIONAL FLIGHT DATA: UPDATED FROM "CHART VDP AT 0.90 NM TO CAVUL" TO "CHART VDP AT 1.76 NM TO RW35" - UPDATED FAC IAW 8260.3E 2-6-5 A, 8260.191 8-6-10 M.
14. ADDITIONAL FLIGHT DATA: REMOVED "FAC CROSSES RWY C/L EXTENDED 4839 FT FROM THLD" - UPDATED FAC.
15. ADDITIONAL FLIGHT DATA: REMOVED NOTE "LNAV ONLY" - NO LONGER REQUIRED IAW 8260.191 8-6-9 A(4).
16. ADDITIONAL FLIGHT DATA: REMOVED NOTE "FICTITIOUS THRESHOLD POINT (CFVBX) DO NOT CHART" - UPDATED MAP TO LTP.
17. ADDITIONAL FLIGHT DATA: ADDED "5440 AAO 452447N/1121727W" - ADDED 7:1 OBST IAW 8260.191 8-6-10 E.
18. MINIMUMS: UPDATED LPV MINS CATS A/B/C/D DA/HAT FROM "5120/346" TO "5024/250" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
19. MINIMUMS: UPDATED LNAV/VNAV MINS CATS A/B/C/D DA/HAT FROM "5270/496" TO "5196/422" AND VIS FROM "1 3/8" TO 1 1/4" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
20. MINIMUMS: UPDATED LNAV MINS CATS A/B/C/D DA/HAT FROM "5340/566" TO "5360/586" AND CAT C/D VIS FROM "1 5/8" TO 1 3/4" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
21. MINIMUMS: UPDATED CIRCLING MINS CATS A/B/C/D MDA/HAA FROM "5400/611," "5440/651," "5480/691," AND "5620/831" TO CATS A/B/C "5360/571" AND CAT D "5460/671" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
22. MINIMUMS: UPDATED CIRCLING CATS A/B/C/D VIS FROM "1/1/2/2 3/4" TO CATS A/B "1," CAT C "1 3/4" AND CAT D "2 1/4" - UPDATED OBSTACLE SURVEY/NEW TARGETS EVALUATION.
23. UPDATED CRC REMAINDER FROM "3BC64F5D" TO "C6FD7CE3," FTP/LTP LAT LONGS FROM "453141.3990N/1121758.5170W" TO "453141.6345N/112182.0515W" AND FPAP LAT/LONGS FROM "453310.0805N/1121746.5190W" TO "453310.3160N/ 1121750.0420W" - 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**

01/13/2022

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*

**JASON KRETSCHMER**

Feb 07, 2022

**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	KRVF
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	453141.6345N
LTP/FTP LONGITUDE	1121802.0515W
LTP/FTP ELLIPSOIDAL HEIGHT	+14393
FPAP LATITUDE	453310.3160N
FPAP LONGITUDE	1121750.0420W
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	C6FD7CE3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+14509
FPAP ORTHOMETRIC HEIGHT	+14509

