

**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.

<b>AIRPORT ID</b> 7V7	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 34	<b>ORIGINAL/AMENDMENT</b> 1	<b>CITY</b> RED CLOUD	<b>STATE</b> NE
<b>AIRPORT ELEVATION</b> 1744	<b>TDZE</b> 1737	<b>SUPERSEDED</b> RNAV (GPS) RWY 34	<b>DATED</b> 06/21/2018	<b>MAG VAR</b> 5E
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 5 SEPTEMBER 2024	<b>REQUIRED EFFECTIVE DATE</b> 09/05/2024	<b>EPOCH YEAR</b> 2010
		<b>ORIG-B</b>	<b>CANCEL/SUSPEND</b>	

**TAA**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>ALTITUDE</b>
1. 248/30 CW 068/30	NOPT	248/25 CW 068/25		3900
2. 248/25 CW 068/25		CAGNA	IF/IAF	3500
3. 068/30 CW 248/30		068/10 CW 248/10		3900
4. 068/10 CW 248/10		CAGNA	IF/IAF	3500

**TERMINAL ROUTES**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>LEG TYPE</b>	<b>FO/FB</b>	<b>RNP</b>	<b>COURSE</b>	<b>DISTANCE</b>	<b>ALTITUDE</b>
CAGNA	IF/IAF	AZEYO		TF	FB	1.00	337.93	5.02	3500
AZEYO	FAF	RORCO/2.60 NM TO RW34		TF	FB	0.30	337.90	2.87	
RORCO/2.60 NM TO RW34		RW34	MAP	TF	FO	0.30	337.90	2.60	
RW34	MAP	2047 MSL		CA			337.90		
2047 MSL		EKIMY		DF	FO	1.00			3600

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW34

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3600 DIRECT EKIMY AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

- |  |                       |                                   |                       |                              |       |                               |                |  |            |
|--|-----------------------|-----------------------------------|-----------------------|------------------------------|-------|-------------------------------|----------------|--|------------|
| 1. <b>PT</b>   | <b>SIDE OF COURSE</b> | <b>OUTBOUND</b>                   | <b>FT WITHIN</b>      | <b>MILES OF</b>              | (IAF) |                               |                |  |            |
| 2. HOLD S CAGNA, RT, 337.93 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000. |                       |                                   |                       |                              |       |                               |                |  |            |
| 3. <b>FAC:</b> 337.90  |                       | <b>FAF:</b> AZEYO                 |                       | <b>DIST FAF TO MAP:</b> 5.47 |       | <b>DIST FAF TO THLD:</b> 5.47 |                |  |            |
| 4. <b>MIN ALT:</b> CAGNA 3500, AZEYO 3500, RORCO/2.60 NM TO RW34 2580        |                       |                                   |                       |                              |       |                               |                |  |            |
| 5. <b>DIST TO THLD FROM OM:</b>  |                       | <b>MM:</b>                        | <b>IM:</b>            | <b>150 HAT:</b>              |       | <b>310 HAT:</b> 0.91          | <b>GS ANT:</b> |  |            |
| 6. <b>MIN GP INCPT:</b> 3500   |                       | <b>GP ALT AT PFAF:</b> AZEYO 3500 |                       |                              |       | <b>OM:</b>                    | <b>MM:</b>     |  | <b>IM:</b> |
| 7. <b>GP ANGLE:</b> 3.00   |                       | <b>34:1:</b> IS CLEAR             | <b>20:1:</b> IS CLEAR | <b>TCH:</b> 40.0             |       |                               |                |  |            |
| 8. <b>MSA FROM:</b>  |                       |                                   |                       |                              |       |                               |                |  |            |

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART NOTE: BARO-VNAV NA.  
 CHART NOTE: USE K82 ALTIMETER SETTING; WHEN NOT RECEIVED, USE HSI ALTIMETER SETTING AND INCREASE LPV DA TO 2092 FEET AND LNAV/VNAV DA TO 2255 FEET AND ALL MDAS 60 FEET.

**ADDITIONAL FLIGHT DATA:**

CHART K82 AWOS-3PT.  
 HOLD N, RT, 157.84 INBOUND.  
 CHART FAS OBST: 1913 TREE (31-028007) 400302N/0983150W.  
 WAAS CHANNEL # 42727  
 REFERENCE PATH ID: W34A  
 LTP HAE: 497.5 M

**MINIMUMS:**

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

**ALTERNATE:** NA

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
LPV DA	2047	1	310	2047	1	310		NA			NA					
LNAV/VNAV DA	2210	1 3/8	473	2210	1 3/8	473		NA			NA					
LNAV MDA	2260	1	523	2260	1	523		NA			NA					
CIRCLING	2280	1	536	2300	1	556		NA			NA					



**CHANGES - REASONS**

1. TERMINAL ROUTES: ADDED STRAIGHT-IN TAA AT CAGNA IF/IAF, DELETED MSA FROM PROFILE LINE 8 – PER ATC/FPT CHECKLIST.
2. TERMINAL ROUTES: DELETED HSI VOR/DME, KOTZA, AND THO VORTAC SEGMENTS – PER ATC/FPT CHECKLIST, TAA DEVELOPED.
3. TERMINAL ROUTES: CHANGED RORCO/2.60 NM TO RW34 SEGMENT COURSE FROM “337.89” TO “337.90” – PROCEDURE CONSTRUCTED FOR OPTIMUM ALIGNMENT.
4. TERMINAL ROUTES: CHANGED CA SEGMENT FROM “2027 MSL” TO “2047 MSL” – LOWEST DA/MDA OR 400 FT ABOVE AIRPORT ELEVATION.
5. PROFILE LINE 2: ADDED “MAX 6000” – PER ATC REQUEST IAW 8260.19J, 8-6-7.B(2).
6. PROFILE LINE 4: DELETED “\*” FROM RORCO/2.60 NM TO RW34 2580\* AND “\*RNAV ONLY” FROM PROFILE NOTES - CURRENT DOCUMENTATION STANDARDS.
7. PROFILE LINE 5: ADDED “310 HAT 0.91” – IAW 8260.19J, 8-6-7.E(3).
8. PROFILE LINE 7: ADDED “20:1 IS CLEAR”, CHANGED “34:1 IS NOT CLEAR” TO “34:1 IS CLEAR” – IAW 8260.19J, 8-6-7.G(3)..
9. REQUIREMENTS NOTE: CHANGED FROM “RNP APCH” TO “RNP APCH – GPS” - IAW 8260.19J, 8-6-8.B.
10. CHANGED CHART NOTE: “USE SMITH CENTER ALTIMETER SETTING, WHEN NOT RECEIVED USE HASTINGS ALTIMETER SETTING AND INCREASE ALL DA 44 FEET AND ALL MDA 60 FEET; INCREASE LPV CATS A/B VISIBILITY 1/8 MILE AND RNAV/VNAV CATS A/B VISIBILITY 1/8 MILE” TO “CHART NOTE: USE K82 ALTIMETER SETTING; WHEN NOT RECEIVED, USE HSI ALTIMETER SETTING AND INCREASE LPV DA TO 2092 FEET AND RNAV/VNAV DA TO 2255 FEET AND ALL MDAS 60 FEET” – NEW OBSTACLE EVALUATION.
11. DELETED “CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HSI VOR/DME ON V50 WESTBOUND” – SEGMENT DELETED, TAA ESTABLISHED.
12. DELETED “CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TKO VORTAC ON V549 NORTHEAST BOUND” - SEGMENT DELETED, TAA ESTABLISHED.
13. ADDITIONAL FLIGHT DATA: DELETED “CHART FAS OBST: 1874 TK 400435N/0983128W” AND “CHART 1734 RD (N) 400436N/0983223W” – IAW 8260.19J 8-6-11C.
14. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM “1944 TREE 400230N/0983158W” TO “1913 TREE (31-028007) 400302N/0983150W” – NEW CONTROLLING OBSTACLE.
15. ADDITIONAL FLIGHT DATA: ADDED “CHART K82 AWOS-3PT” – PRIMARY ALTIMETER IS REMOTE IAW 8260.19J, 8-2-4.B(3).
16. MINIMUMS: RAISED RNAV/VNAV DA AND HAT FROM “2096/359” TO “2210/473” – NEW CONTROLLING OBSTACLE.
17. FAS DATA: FPAP LATITUDE/LONGITUDE CHANGED FROM “400603.5200N/ 0983256.0600W” TO “400603.5285N/ 0983256.0580W” – UPDATED AIRNAV DATA INCORPORATED.
18. FAS DATA: CRC REMAINDER CHANGED FROM “EF493A5E” TO “890940AA” – UPDATED FPAP LATITUDE/LONGITUDE.

**COORDINATED WITH:**

A4A   
 ALPA   
 AOPA   
 APA   
 HAI   
 NBAA   
 OTHER: ZMP, AMGR

**FLIGHT CHECKED BY**

PENDING

Digitally signed by  
**CASIMIR L TABAKA**  
 Jun 06, 2024

**OFFICE**

**DATE**

**DEVELOPED BY**

CASIMIR L. TABAKA (ROBERT A. SWINSON)

Digitally signed by  
**CASIMIR L TABAKA**  
 Jun 06, 2024

**OFFICE**  
 AJV-A432

**DATE**  
 03/04/2024

**APPROVED BY**

CASIMIR L. TABAKA

Digitally signed by  
**CASIMIR L TABAKA**  
 Jun 06, 2024

**OFFICE**  
 AJV-A432

**DATE**

**TITLE**  
 MANAGER



AIRPORT ID  
7V7

PROCEDURE NAME  
RNAV (GPS) RWY 34

ORIGINAL/AMENDMENT  
1

CITY  
RED CLOUD

STATE  
NE

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	7V7
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	400438.3140N
LTP/FTP LONGITUDE	0983221.8770W
LTP/FTP ELLIPSOIDAL HEIGHT	+04975
FPAP LATITUDE	400603.5285N
FPAP LONGITUDE	0983256.0580W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 890940AA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05235
FPAP ORTHOMETRIC HEIGHT	+05235

