

**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> KPNM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> PRINCETON	<u>STATE</u> MN		
<u>AIRPORT ELEVATION</u> 980	<u>TDZE</u> 980	<u>SUPERSEDED</u> RNAV (GPS) RWY 33	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 11/05/2020	<u>MAG VAR</u> 3E	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 31 DECEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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>
KEYEN	IAF	ZAPIN	NOPT	TF	FB	1.00	062.39	5.06	3100
UDILE	IAF	ZAPIN	NOPT	TF	FB	1.00	242.55	5.27	3100
ZAPIN	IF/IAF	ZODOG		TF	FB	1.00	332.47	6.07	2600
ZODOG	FAF	RW34	MAP	TF	FO	0.30	334.91	4.89	
RW34	MAP	1380 MSL		CA			334.91		
1380 MSL		ZAPIN		DF	FO	1.00			3100

**MISSED APPROACH**

**MAP:**  
LNAV: RW34

**MISSED APPROACH INSTRUCTIONS:**  
CLIMBING RIGHT TURN TO 3100 DIRECT ZAPIN AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE ZAPIN, RT, 332.47 INBOUND, 3100 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 334.91FAF: ZODOGDIST FAF TO MAP: 4.89DIST FAF TO THLD: 4.89

4. MIN ALT: ZAPIN 3100, ZODOG 2600

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS CLEARTCH:

8. MSA FROM: RW34 3500

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KEYEN ON T330 NORTHWEST BOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT UDILE ON V218 NORTHBOUND.

ADDITIONAL FLIGHT DATA:

FAS OBST: 1220 AAO 452932N/0933340W.  
1244 AAO 452824N/0933424W.  
CHART VDP AT 1.49 NM TO RW34.  
CHART CIRCLING ICON.  
ZODOG TO RW34: 3.04/41.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
LNAV MDA	1500	1	520	1500	1	520	1500	1 3/8	520		NA				
CIRCLING	1640	1	660	1640	1	660	1640	1 3/4	660		NA				

CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM "RNAV (GPS) RWY 33" TO "RNAV (GPS) RWY 34" - RUNWAY NUMBER CHANGED, INCORPORTATED P-NOTAM 07/174.
2. ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINIMUMS - IAW 8260.19H 8-6-11(B)(4).
3. CHANGED CHART NOTE FROM "CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19H 8-6-11(K).
4. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "ZODOG TO RW33: 3.04/41." TO "ZODOG TO RW34: 3.04/41." - RUNWAY NUMBER CHANGED.
5. CHANGED MAP FROM "LNAV: RW33" TO "LNAV: RW34" - RUNWAY NUMBER CHANGED.
6. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART VDP AT 1.44 NM TO RW33" TO "CHART VDP AT 1.49 NM TO RW34" - VGSI CHANGED ALONG WITH THE RUNWAY NUMBER.
7. CHANGED TERMINAL ROUTES REFERENCE TO "RW33" TO "RW34" - RUNWAY NUMBER CHANGED.
8. ADDED CHART CIRCLING ICON - P-NOTAM ORIG-C.



**COORDINATED WITH:**

**A4A** ☐    **ALPA** ☒    **AOPA** ☒    **APA** ☐    **HAI** ☐    **NBAA** ☒    **OTHER:** ZMP, PNM FSS, STATE AERO

**FLIGHT CHECKED BY**

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED

**OFFICE** *Digitally signed by*  
**JOHN BORDY**

**DATE**

Oct 14, 2020

**DEVELOPED BY**

JOHN BORDY (JUDITH TUTTLE)

*Digitally signed by*

**JOHN BORDY**

**OFFICE**  
AJV-A422

**DATE**  
07/27/2020

Oct 14, 2020

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*

**JOHN BORDY**

**OFFICE**  
AJV-A420

**DATE**

**TITLE**  
MANAGER

Oct 14, 2020