

**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</u> CAMBRIDGE MUNI	<u>AIRPORT ID</u> KCBG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> CAMBRIDGE	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 945	<u>TDZE</u> 945	<u>SUPERSEDED</u> RNAV (GPS) RWY 34	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 07/18/2019	<u>MAG VAR</u> 1E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<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
LENCK		NODKE		TF	FO	1.00	240.67	15.72	3000
DOCKN		NODKE		TF	FO	1.00	119.87	10.27	3000
GEP VORTAC	IAF	NODKE	NOPT	TF	FB	1.00	029.49	15.92	3000
CINCI	IAF	NODKE	NOPT	TF	FB	1.00	265.96	13.90	3000
NODKE	IF/IAF	RERBE		TF	FB	1.00	341.58	6.12	2600
RERBE	FAF	OKPUE/1.70 NM TO RW34		TF	FB	0.30	341.55	3.39	
OKPUE/1.70 NM TO RW34		RW34	MAP	TF	FO	0.30	341.55	1.70	
RW34	MAP	1320 MSL		CA			341.55		
1320 MSL		ZUBIS		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LP: RW34  
 LNAV: RW34

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT ZUBIS AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



**PROFILE:**

1. **PT**      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
2. HOLD S NODKE, RT, 341.58 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 341.55      **FAF:** RERBE                      **DIST FAF TO MAP:** 5.09                      **DIST FAF TO THLD:** 5.09
4. **MIN ALT:** NODKE 3000, RERBE 2600, OKPUE/1.70 NM TO RW34 1520
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 CLEAR      **20:1:** IS NOT CLEAR      **TCH:**
8. **MSA FROM:** RW34 3500

**PBN REQUIREMENTS NOTE:**

RNP APCH.

**NOTES:**

CHART NOTE: RWY 34 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GEP VORTAC AIRWAY RADIALS 297 CW 103.  
 CHART NOTE: PROCEDURE NA AT NIGHT.

**ADDITIONAL FLIGHT DATA:**

RERBE TO RW34: 3.00/41.  
 WAAS CHANNEL #56328  
 REFERENCE PATH ID: W34A  
 CHART FAS OBST: 1059 TREE 453203N/0931530W, 1069 TREE 453120N/0931441W.  
 HOLD N, RT, 161.46 INBOUND  
 LTP HAE: 257.9 M

**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		
	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
LP MDA	1320	1	375	1320	1	375	1320	1 1/8	375		NA				
LNAV MDA	1340	1	395	1340	1	395	1340	1 1/8	395		NA				



**CHANGES - REASONS**

1. REMOVED CHART PLAINVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CINCI ON V13 NORTHBOUND - RZV VOR MON PROJECT.
2. FAS DATA CRC REMAINDER CHANGED FROM 7404BB4C TO 64D1B188 - LTP/FTP LAT/LONG CHANGED FROM 453308.1420N/0931542.6200W TO 453308.1425N/0931542.6195W, LTP AND FPAP ORTHOMETRIC HEIGHT CHANGED FROM +02862 TO +02863.
3. CHANGED RNP VALUES IN FEEDER SECTION FROM 2.00 TO 1.00 - IAW 8260.58A TABLE 1-2-1.
4. CHANGED RNP VALUES IN INTERMEDIATE SECTION FROM 0.50 TO 1.00 - IAW 8260.58A TABLE 1-2-1.
5. ADDED 20:1 IS NOT CLEAR TO PROFILE LINE 7 - 20:1 VISUAL SURFACE PENETRATED.
6. P-NOTAM FOR ORIG-A AND ORIG-B INCORPORATED INTO FORM - REQUIRED IAW 8260.19H PARA 8-3-4C (3)
7. REMOVED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PRINCETON ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, INCREASE LP VISIBILITY 1/8 MILE AND LNAV VISIBILITY 1/4 MILE - ADDED TO BACK OF -9 FOR CONTINGENCY PURPOSES.
8. DELETED BACKUP ALTIMETER SETTING AND ASSOCIATED NOTES - ADDED TO BACK OF -9 FOR CONTINGENCY PURPOSES KCBG AWOS ON WMSCR/AJV POLICY CHANGE.
9. ADDED MAX HOLDING 6000 AT NODKE ON PROFILE LINE 2 - IAW 8260-19H CRITERIA CHANGE.
10. UPDATED TERMINAL ROUTES OKPUE/1.70 NM TO RW34 TO RW34 FROM 341.53 TO 341.55 - SAME AS FINAL COURSE.
11. ADDED COURSE 341.55 TO MISSED APPROACH CA LEG - CURRENT DOCUMENTATION POLICY.

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZMP ARTCC, AMGR.

**FLIGHT CHECKED BY**

JEFFERY W HARING

*Digitally signed by*  
**DONALD H LANIER**

Sep 23, 2019

**OFFICE**

FICO

**DATE**

9/19/19

**DEVELOPED BY**

DONALD H. LANIER (DEXTER SWEETING)

*Digitally signed by*  
**DONALD H LANIER**

Sep 23, 2019

**OFFICE**

AJV-A431

**DATE**

06/05/2019

**APPROVED BY**

GEORGE DAVIS

*Digitally signed by*  
**DONALD H LANIER**

Sep 23, 2019

**OFFICE**

AJV-A430

**DATE**

**TITLE**  
MANAGER



**FAS DATA BLOCK INFORMATION**

<b><u>DATA FIELD</u></b>	<b><u>DATA</u></b>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCBG
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	453308.1425N
LTP/FTP LONGITUDE	0931542.6195W
LTP/FTP ELLIPSOIDAL HEIGHT	+02579
FPAP LATITUDE	453433.1100N
FPAP LONGITUDE	0931620.7200W
THRESHOLD CROSSING HEIGHT (TCH)	00041.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	64D1B188

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02863
FPAP ORTHOMETRIC HEIGHT	+02863

