

**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> JONES MEMORIAL	<u>AIRPORT ID</u> 3F7	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> BRISTOW	<u>STATE</u> OK
<u>AIRPORT ELEVATION</u> 870	<u>TDZE</u> 870	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 04/30/2015	<u>MAG VAR</u> 5E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 SEPTEMBER 2020	<u>REQUIRED EFFECTIVE DATE</u> 09/10/2020	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 265/30 CW 085/30	NOPT	265/19 CW 085/19		3000
2. 265/19 CW 085/19		DASTE	IF/IAF	2600
3. 085/30 CW 265/30		DASTE	IF/IAF	2800

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
DASTE	IF/IAF	UNUGE		TF	FB	1.00	355.16	5.76	2600
UNUGE	FAF	ZEGBA/2.50 NM TO RW36		TF	FB	0.30	355.16	2.20	
ZEGBA/2.50 NM TO RW36		RW36	MAP	TF	FO	0.30	355.16	2.50	
RW36	MAP	1225 MSL		CA					
1225 MSL		CAMSA		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT CAMSA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- 2. HOLD S DASTE, RT, 355.16 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 355.16 **FAF:** UNUGE **DIST FAF TO MAP:** 4.70 **DIST FAF TO THLD:** 4.70
- 4. **MIN ALT:** DASTE 2600, UNUGE 2600, ZEGBA/2.50 NM TO RW36 1800*
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **355 HAT:** 0.87 **GS ANT:**
- 6. **MIN GP INCPT:** 2600 **GP ALT AT FAF :** UNUGE 2600 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.39 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 40.0
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: BARO-VNAV NA.
 *LNAV ONLY
 CHART NOTE: USE CUSHING ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART CUSHING MUNI AWOS-3.
 HOLD N, RT, 175.17 INBOUND.
 FAS OBST: 1009 TREE 354703N/0962600W.
 DISTANCE TO THLD FROM 355 HAT: 0.87 NM.
 WAAS CHANNEL # 72843
 REFERENCE PATH ID: W36A
 CHART CIRCLING ICON.
 LTP HAE: 236.7 M

MINIMUMS:

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

ALTERNATE: NA



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
LPV DA	1225	1	355	1225	1	355	1225	1	355		NA				
LNAV/VNAV DA	1367	1 3/8	497	1367	1 3/8	497	1367	1 3/8	497		NA				
LNAV MDA	1320	1	450	1320	1	450	1320	1 3/8	450		NA				
CIRCLING	1380	1	510	1500	1	630	1600	2	730		NA				

CHANGES - REASONS

NEW RUNWAY CONSTRUCTED APPROXIMATELY 240 FEET EAST OF PREVIOUS RUNWAY - MOST CHANGES TO THIS PROCEDURE ARE DIRECTLY OR INDIRECTLY A RESULT OF THAT NEW CONSTRUCTION.

1. AIRPORT ELEVATION CHANGED FROM 852 TO 870 - NEW RUNWAY CONSTRUCTED.
2. TDZE CHANGED FROM 852 TO 870 - NEW RUNWAY CONSTRUCTED.
3. TAA LEFT AND RIGHT BASES REMOVED, PT-REQUIRED STRAIGHT-IN SECTOR ESTABLISHED - CHANGES REQUESTED BY FPT.
4. TAA STRAIGHT-IN STEPDOWN RADIUS CHANGED FROM 15 NM TO 19 NM - OBSTACLE EVALUATION.
5. TERMINAL ROUTES ATUPE TO DASTE AND BOVSE TO DASTE REMOVED - FPT REQUEST.
6. TERMINAL ROUTE DASTE TO UNUGE CHANGED FROM 355.17/4.80 TO 355.16/5.76 - REDESIGN DUE TO RUNWAY CONSTRUCTION.
7. TERMINAL ROUTE UNUGE TO RW36 REPLACED WITH UNUGE TO ZEGBA AND ZEGBA TO RW36 - STEPDOWN FIX ADDED IN REDESIGN DUE TO RUNWAY CONSTRUCTION.
8. CA LEG ALTITUDE CHANGED FROM 1252 TO 1225 - LPV MINIMUMS ESTABLISHED.
9. PROFILE SECTION, LINE 2, INBOUND COURSE CHANGED FROM 355.17 TO 355.16 - REDESIGN DUE TO NEW RUNWAY CONSTRUCTION.
10. PROFILE SECTION, LINE 3, FAC CHANGED FROM 355.17 TO 355.16, DIST FAF TO MAP AND FAF TO THLD CHANGED FROM 5.29 TO 4.70 - REDESIGN DUE TO NEW RUNWAY CONSTRUCTION.
11. PROFILE SECTION, LINE 4, ADDED MIN ALT AT ZEGBA - STEPDOWN FIX ADDED IN REDESIGN DUE TO NEW RUNWAY CONSTRUCTION.
12. PROFILE SECTION, LINE 5, ADDED DIST TO THLD FROM 355 HAT, LINES 6 AND 7 ADDED VERTICALLY GUIDED INFORMATION - VERTICALLY GUIDED MINIMUMS ADDED.
13. PROFILE SECTION LINE 7, ADDED "20:1 IS CLEAR" - 8260.19H.
14. REPLACED "DME/DME RNP-0.3 NA" NOTE WITH PBN REQUIREMENTS NOTE - 8260.19H.
15. CHANGED ALTIMETER SOURCE FROM TULSA TO CUSHING - LOWER ADJUSTMENT REQUIRED.
16. ADDED "BARO-VNAV NA" NOTE - LNAV/VNAV MINIMUMS ADDED BUT A REMOTE ALTIMETER SOURCE IS IN USE.
17. DELETED NOTE "PROCEDURE NA AT NIGHT" - RUNWAY 36 NO LONGER HAS 20:1 PENETRATIONS.
18. ADDED HELICOPTER NOTE - 34:1 PENETRATIONS.
19. ADDITIONAL FLIGHT DATA - ADDED "'LNAV ONLY" - STEPDOWN FIX ONLY APPLIES TO LNAV MINIMUMS.
20. ADDITIONAL FLIGHT DATA, ADDED VERTICALLY GUIDED APPROACH AND WAAS/FAS INFORMATION - LPV MINIMUMS ADDED.
21. UPDATED FAS OBST - PROCEDURE REDESIGN DUE TO NEW RUNWAY.
22. ADDED "CHART CUSHING MUNI AWOS-3" - PRIMARY ALTIMETER SOURCE CHANGED FOR LOWER MINIMUMS.
23. ADDED LPV AND LNAV/VNAV LINES OF MINIMA - FPT REQUEST.
24. LNAV MDA/HAT CHANGED FROM 1500/648 TO 1320/450 - IMPROVED SURVEY DATA AND PROCEDURE REDESIGN.
25. LNAV VISIBILITY CAT C CHANGED FROM 1 7/8 TO 1 3/8 - RECALCULATION WITH NEW HAT.
26. CIRCLING CAT A MDA/HAA CHANGED FROM 1500/648 TO 1380/510 - NEW CONTROLLING OBSTACLE AND RASS SOURCE.
27. CIRCLING CAT B MDA/HAA CHANGED FROM 1560/708 TO 1500/630 - NEW CONTROLLING OBSTACLE AND RASS SOURCE.
28. CIRCLING CAT C MDA/VIS/HAA CHANGED FROM 1700/2 1/2/848 TO 1600/2/730 - NEW CONTROLLING OBSTACLE AND RASS SOURCE.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZKC, CITY OF BRISTOW

FLIGHT CHECKED BY

PENDING

Digitally signed by

DAVID DANNER

Jun 12, 2020

OFFICE

DATE

DEVELOPED BY

RUSSELL ROSLEWSKI

Digitally signed by

RUSSELL ROSLEWSKI

Jun 09, 2020

OFFICE

AJV-A421

DATE

05/20/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

DAVID DANNER

Jun 12, 2020

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	3F7
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	354805.5950N
LTP/FTP LONGITUDE	0962516.1570W
LTP/FTP ELLIPSOIDAL HEIGHT	+02367
FPAP LATITUDE	354934.8265N
FPAP LONGITUDE	0962515.8410W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.39
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	A5B0D103

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+02651
FPAP ORTHOMETRIC HEIGHT	+02651

