

**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> MID-AMERICA INDUSTRIAL	<u>AIRPORT ID</u> H71	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> PRYOR	<u>STATE</u> OK
<u>AIRPORT ELEVATION</u> 622	<u>TDZE</u> 617	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 06/23/2016	<u>MAG VAR</u> 2E
<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>	<u>EPOCH YEAR</u> 2020

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
TUL VORTAC		NOBME		TF	FO	1.00	111.64	24.33	2600
OKM VOR/DME		JONAG		TF	FB	1.00	052.91	26.80	2600
BUTCH		FODAD		TF	FB	1.00	305.65	26.80	3100
JONAG	IAF	NOBME	NOPT	TF	FB	1.00	037.95	6.50	2600
FODAD	IAF	NOBME	NOPT	TF	FB	1.00	317.29	6.49	2600
NOBME	IF/IAF	CRAMP		TF	FB	1.00	358.02	5.00	2600
CRAMP	FAF	IRIXE/3.00 NM TO RW36		TF	FB	0.30	358.02	3.14	
IRIXE/3.00 NM TO RW36		RW36	MAP	TF	FO	0.30	358.02	3.00	
RW36	MAP	938 MSL		CA			358.02		
938 MSL		ROBDE		DF	FO	1.00			3800

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3800 DIRECT ROBDE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3800 .

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD S NOBME, RT, 358.02 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 358.02 **FAF:** CRAMP **DIST FAF TO MAP:** 6.14 **DIST FAF TO THLD:** 6.14
4. **MIN ALT:** NOBME 2600, CRAMP 2600, IRIXE/3.00 NM TO RW36 1600*
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **321 HAT:** 0.92 **GS ANT:**
6. **MIN GP INCPT:** 2600 **GP ALT AT FAF :** CRAMP 2600 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 40.0
8. **MSA FROM:** RW36 3600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TUL VORTAC AIRWAY RADIALS 036 CW 115.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OKM VOR/DME AIRWAY RADIALS 037 CW 095.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 CHART VDP AT 1.43 NM TO RW36*
 *LNAV ONLY
 WAAS CHANNEL #70340
 REFERENCE PATH ID: W36A
 CHART FAS OBST: 760 TREE 361156N/0951934W.
 CHART 791 TWR 360956N/0951924W.
 HOLD N, LT, 178.02 INBOUND
 LTP HAE: 154.7 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 1000-2 3/4, CAT D 1000-3, 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
LPV DA	938	1 1/8	321	938	1 1/8	321	938	1 1/8	321	938	1 1/8	321				
LNAV/VNAV DA	1131	1 7/8	514	1131	1 7/8	514	1131	1 7/8	514	1131	1 7/8	514				
LNAV MDA	1100	1	483	1100	1	483	1100	1 3/8	483	1100	1 3/8	483				
CIRCLING	1200	1	578	1200	1	578	1560	2 3/4	938	1560	3	938				



CHANGES - REASONS

1. CHANGED MISSED APPROACH INSTRUCTIONS FROM CLIMB TO 2600 DIRECT ROBDE AND HOLD TO CLIMB TO 3800 DIRECT ROBDE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3800 - PER IFP REQUEST AND IAW 8260.19H PARA 8-6-6G (1).
2. ADDED 20:1 IS CLEAR TO PROFILE LINE 7 - IAW 8260.19H 8-6-7G (3).
3. UPDATED CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED TO CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 20:1 SURFACE AREA CLEAR, 34:1 PENETRATIONS REMAIN.
4. REMOVED DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - 8260.19H 8-6-8B AND 8260.58A TABLE 1-2-1.
5. REMOVED CHART NOTE: USE TULSA INTL ALTIMETER SETTING - LOCAL ALTIMETER SOURCE ON WMSCR AND DEEMED RELIABLE.
6. REMOVED CHART NOTE: NIGHT LANDING: RWY 36 NA - 20:1 SURFACE AREA CLEAR.
7. REMOVED CHART NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - VGSI AND GLIDEPATH ARE NOW COINCIDENT BASED ON PENDING RWY DATA.
8. REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BUTCH ON V63 NORTHEAST BOUND - MC ALESTER (MLC) VORTAC BEING DECOMMISSIONED AS PART OF THE VOR MON PROGRAM.
9. REMOVED ADDITIONAL FLIGHT DATA NOTE: CHART TULSA INTL ASOS - TULSA INTL IS NO LONGER THE PRIMARY ALTIMETER SOURCE.
10. ADDED CHART VDP AT 1.43 NM TO RW36* - LOCAL ALTIMETER SOURCE ON WMSCR AND DEEMED RELIABLE AND 20:1 VISUAL SURFACE AREA CLEAR.
11. CAT D MINS ADDED - PER ATC REQUEST/CHECKLIST.
12. DELETED CHART NOTE: BARO-VNAV NA LOCAL ALTIMETER SOURCE ON WMSCR AND DEEMED RELIABLE.
13. ADDED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C - IAW 8260.19H PARA 8-6-9S.
14. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 - IAW 8260.19H PARA 8-6-7B (2).
15. ADDED ALTERNATE MINIMUMS AND ASSOCIATED NOTES - LOCAL ALTIMETER SOURCE ON WMSCR AND DEEMED RELIABLE.
16. DISTANCE TO THLD FROM 321 HAT CHANGED FROM 0.88 NM TO 0.92 NM - UPDATED CALCULATION.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZME, ZKC, APT MGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by

DEVELOPED BY

DONALD H. LANIER (MYRON DEBERRY)

Digitally signed by
DONALD H LANIER

DONALD H LANIER

Aug 05, 2019

OFFICE

AJV-A431

DATE

06/05/2019

APPROVED BY

GEORGE DAVIS

Digitally signed by
DONALD H LANIER
Aug 05, 2019

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	H71
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	361306.7525N
LTP/FTP LONGITUDE	0951948.2150W
LTP/FTP ELLIPSOIDAL HEIGHT	+01547
FPAP LATITUDE	361435.9785N
FPAP LONGITUDE	0951948.1765W
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	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F540DD9C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01838
FPAP ORTHOMETRIC HEIGHT	+01838

