

**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> COLES COUNTY MEMORIAL	<u>AIRPORT ID</u> KMTO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> MATTOON/CHARLESTON	<u>STATE</u> IL	
<u>AIRPORT ELEVATION</u> 722	<u>TDZE</u> 718	<u>SUPERSEDED</u> RNAV (GPS) RWY 29	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 01/04/2018	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 2015
<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>		

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 206/30 CW 026/30	NOPT	OSEKE	IF/IAF	3000
2. 026/30 CW 206/30		OSEKE	IF/IAF	3000

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OSEKE	IF/IAF	IDOCE		TF	FB	1.00	296.10	8.00	2400
IDOCE	FAF	YITCU/1.50 NM TO RW29		TF	FB	0.30	295.99	3.63	
YITCU/1.50 NM TO RW29		RW29	MAP	TF	FO	0.30	295.99	1.50	
RW29	MAP	2000 MSL		CA			295.99		2000
2000 MSL		ZARIR		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW29

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ZARIR AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF (IAF)

2. HOLD SE OSEKE, RT, 296.10 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 295.99      FAF: IDOCE      DIST FAF TO MAP: 5.13      DIST FAF TO THLD: 5.13

4. MIN ALT:      OSEKE 3000, IDOCE 2400, YITCU/1.50 NM TO RW29 1240\*

5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      200 HAT: 0.48      GS ANT:

6. MIN GP INCPT: 2400      GP ALT AT FAF : IDOCE 2400      OM:      MM:      IM:

7. GP ANGLE: 3.00      34:1: IS CLEAR      20:1: IS CLEAR      TCH: 50.8

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 18 AND 36.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM AND INCREASE LNAV CAT C/D VISIBILITY TO 1 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON  
CHART VDP AT 0.99 NM TO RW29\*  
\*LNAV ONLY  
WAAS CHANNEL #93510  
REFERENCE PATH ID: W29A  
HOLD W, RT, 098.08 INBOUND  
LTP HAE: 185.6 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		
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	918	1/2	200	918	1/2	200	918	1/2	200	918	1/2	200			
LNAV/VNAV DA	1014	1/2	296	1014	1/2	296	1014	1/2	296	1014	1/2	296			
LNAV MDA	1080	1/2	362	1080	1/2	362	1080	5/8	362	1080	5/8	362			
CIRCLING	1160	1	438	1180	1	458	1240	1 1/2	518	1380	2	658			



**CHANGES - REASONS**

1. DELETED NOTE DME/DME RNP-0.3 NA - REPLACED BY PBN REQUIREMENTS NOTE.
2. ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H, PARA 8-6-8B(1).
3. REMOVED ALL NOTES REFERENCING BACK-UP ALTIMETER SETTING - MOVED TO FORM 8260-9 FOR CONTINGENCY USE.
4. ADDED 20:1 IS CLEAR TO LINE 7 - IAW 8260.19H, PARA 8-6-7G(3).
5. REMOVED FAHRENHEIT VALUES FROM UNCOMPENSATED BARO-VNAV NOTE - NO LONGER REQUIRED.
6. ADDED NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM AND INCREASE LNAV CAT C/D VISIBILITY TO 1 SM - REQUIRED ADJUSTMENTS ARE NOT IN ACCORDANCE WITH INOP TABLE.
7. INCOPORATED CHANGES FROM AMDT 1A - IAW 8260.19H, PARA 8-3-4C(2).

8/7/19 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 7/18/19  
ADDED ROUTINE TO REQUIRED EFFECTIVE DATE

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZKC, CMI APP CON, AMGR

**FLIGHT CHECKED BY**

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

**OFFICE**

*Digitally signed by*

**DATE**

**DAVID TEFFETELLER**

*Digitally signed by*

Aug 08, 2019

**DAVID TEFFETELLER**

**OFFICE**

AJV-A433

**DATE**

06/27/2019

**DEVELOPED BY**

DAVID TEFFETELLER (GUY COPELAND)

*Digitally signed by*

**DAVID TEFFETELLER**

Aug 08, 2019

**OFFICE**

AJV-A430

**DATE****APPROVED BY**

GEORGE DAVIS

**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	KMTO
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	392827.5300N
LTP/FTP LONGITUDE	0881606.5130W
LTP/FTP ELLIPSOIDAL HEIGHT	+01856
FPAP LATITUDE	392902.2580N
FPAP LONGITUDE	0881752.5015W
THRESHOLD CROSSING HEIGHT (TCH)	00050.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	41B24AD5

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02177
FPAP ORTHOMETRIC HEIGHT	+02177