

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
ZURES (IF/IAF)	INAGE (FB)	087.54 / 6.03	3000	LPV: DA LNAV/VNAV: DA LNAV: RW09 CLIMB TO 3600 DIRECT WURUG AND HOLD.			
INAGE (FAF)	HIRLA/2.50 NM TO RW09 (FB)	087.61 / 2.15					
HIRLA/2.50 NM TO RW09	RW09 (MAP) (FO)	087.61 / 2.50		ADDITIONAL FLIGHT DATA: HOLD E, RT, 267.82 INBOUND. CHART FAS OBST: 1650 TREE 364202N/0935602W DISTANCE TO THLD FROM 360 HATH: 1.00 NM. WAAS CHANNEL # 63133 REFERENCE PATH ID: W09A CHART MONETT AWOS-3 CHART CIRCLING ICON. LTP HAE: 422.4 M			
RW09 (MAP)	1839 MSL	087.61					
1839 MSL	WURUG (FO)		3600				

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD W ZURES, RT, 087.54 INBOUND, 3300 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>087.61</u> FAF: <u>INAGE</u>	DIST FAF TO MAP: <u>4.65</u> THLD: <u>4.65</u>
4. MIN. ALT: ZURES 3300, INAGE 3000, HIRLA/2.50 NM TO RW09 2300*	
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>	
6. MIN GS INCPT: <u>3000</u> GS ALT AT: INAGE 3000	OM: <u> </u> MM: <u> </u> IM: <u> </u>
7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR	
8. MSA FROM: <u> </u>	

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X			
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1839	1 1/4	360	1839	1 1/4	360	1839	1 1/4	360		NA				
LNAV/VNAV DA	1994	1 3/4	515	1994	1 3/4	515	1994	1 3/4	515		NA				
LNAV MDA	1960	1	481	1960	1	481	1960	1 3/8	481		NA				
CIRCLING	2000	1	517	2020	1	537	2160	2	677		NA				

NOTES:
 CHART NOTE: BARO-VNAV NA.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 (SEE FORM 8260-10)

CITY AND STATE CASSVILLE, MO	ELEVATION: 1483 THRE: 1479 AIRPORT NAME: CASSVILLE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1 22 AUGUST 2013	SUP: AMDT: ORIG DATED 06/03/2010
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RNAV - STANDARD
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NOTES, (CONT.):

CHART NOTE: USE MONETT ALTIMETER SETTING, WHEN NOT RECEIVED, USE ROGERS ALTIMETER SETTING AND INCREASE ALL DA 13 FT AND ALL MDA 20 FT AND LNAV/VNAV ALL CATS VISIBILITY TO 1 7/8 MILE.

*LNAV ONLY

TAA

	FROM	TO	ALT
1.	358/30 CW 178/30 (NOPT)	ZURES (IF/IAF) (FB)	3300
2.	178/30 CW 358/30	ZURES (IF/IAF) (FO)	3300

CITY AND STATE
 CASSVILLE, MO

ELEVATION: 1483 THRE: 1479
 AIRPORT NAME:
 CASSVILLE MUNI

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 9, AMDT 1
 22 AUGUST 2013

SUP:
 AMDT: ORIG
 DATED: 06/03/2010

QUALITY
 CHECKED

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	94K
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	364150.5580N
LTP/FTP LONGITUDE	0935423.9870W
LTP/FTP ELLIPSOIDAL HEIGHT	+04224
FPAP LATITUDE	364151.0600N
FPAP LONGITUDE	0935233.2000W
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	1656
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

54AB2792

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04509
FPAP ORTHOMETRIC HEIGHT	+04509

CITY AND STATE

CASSVILLE, MO

ELEVATION: 1483

THRE: 1479

AIRPORT NAME:

CASSVILLE MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 1

22 AUGUST 2013

SUP:

AMDT:

ORIG

DATED:

06/03/2010

QUALITY
4
CHECKED

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 94K K3FR09	AZURES	010ZURESK3EA0EE	AR	HF		08750040	+	03300	18000			A	JS
SUSAP 94K K3FR09	R	010ZURESK3EA0E	I	IF			+	03300	18000			A	JS
SUSAP 94K K3FR09	R	020INAGEK3EA1E	F	051TF		08750060	+	03000				A	JS
SUSAP 94K K3FR09	R	020INAGEK3EA2WALPV			ALNAV/VNAV ALNAV								JS
SUSAP 94K K3FR09	R	021HIRLAK3EA0E	S	031TF		08760022	V	0230002316		-300		A	JS
SUSAP 94K K3FR09	R	030RW09 K3PG0GY	M	031TF		08760025		01519		-300		A	JS
SUSAP 94K K3FR09	R	040	O	M	CA	0876	+	01839				A	JS
SUSAP 94K K3FR09	R	050WURUGK3EA0EY		DF			+	03600				A	JS
SUSAP 94K K3FR09	R	060WURUGK3EA0EE	R	HM		26780040	+	03600				A	JS

[illegible][illegible]

QUALITY
A
CHECKED

CITY AND STATE CASSVILLE, MO	ELEVATION: 1483 THRE: 1479	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: CASSVILLE MUNI		RNAV (GPS) RWY 9, AMDT 1	AMDT: ORIG
		RNAV	22 AUGUST 2013	DATED: 06/03/2010

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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ZURES	ZURES	010	IAF	HF	R	FO		087.5 (089.5T)	004.0	AA 33300	
		ZURES	010	FACF	IF		FB				AA 33300	
		INAGE	020	FAF	TF		FB	0.5	087.5 (089.5T)	006.0	AA 33000	
		HIRLA	021	SDF	TF		FB	0.3	087.6 (089.6T)	002.2	AA 02300 GS 02316	
		RW09	030	MAP	TF		FO	0.3	087.6 (089.6T)	002.5	AT 01519	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		087.6 (089.6T)		AA 01839	
	WURUG	050		DF		FO				AA 03600	
	WURUG	060		HM	R	FO		267.8 (269.8T)	004.0	AA 03600	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HIRLA	N364149.65	W0935730.51	N3641.828	W09357.509
	INAGE	N364148.81	W0940010.84	N3641.814	W09400.181
	WURUG	N364153.67	W0933959.12	N3641.895	W09339.985
	ZURES	N364146.12	W0940740.80	N3641.769	W09407.680
	RW09	N364150.56	W0935423.99	N3641.843	W09354.400

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	01479	40

QUALITY
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CITY AND STATE CASSVILLE, MO	ELEVATION: 1483	THRE: 1479	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			RNAV (GPS) RWY 9, AMDT 1	AMDT: ORIG
	CASSVILLE MUNI	RNAV	22 AUGUST 2013	DATED: 06/03/2010	