Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 03/31/2003	Task #: 2003032507153201006	Request #: 20030325071532
Procedure: RNAV (GPS) RWY 13 ORIG		Airport ID: KAOV	Airport: AVA BILL MARTIN MEMORIAL		Reimbursable #:
City: AVA	ST: MO	GPS #:		Estimated Chart Date: 05/02/2013	FICO #:
Fac ID:	Fac. Type: LNAV	Specialist: CASIMIR TABAKA			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	08/28/2012	11/30/2012	CASIMIR TABAKA	
QA:	11/30/2012	11/30/2012	CASIMIR TABAKA	
Liaison:	11/30/2012		Spurlin	

Procedure Comments:

Remark Type: INFORMATION

pkg 2 of 4

AVA, MO AVA BILL MARTIN MEMORIAL (KAOV) RNAV (GPS) RWY 13, ORIG (LNAV) ENROUTE-NO FC: 1.8.13 PUB: 3.7.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): GAHSU, REV 1; GOTPY, REV 1; YOZKY, REV 1; ZOPTI, ORIG.

CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

RNAV (GPS) RWY 13
AVA BILL MARTIN MEMORIAL (AOV)

APP CRS	Rwy ldg	3634
135°	THRE	1277
	Apt Elev	1311

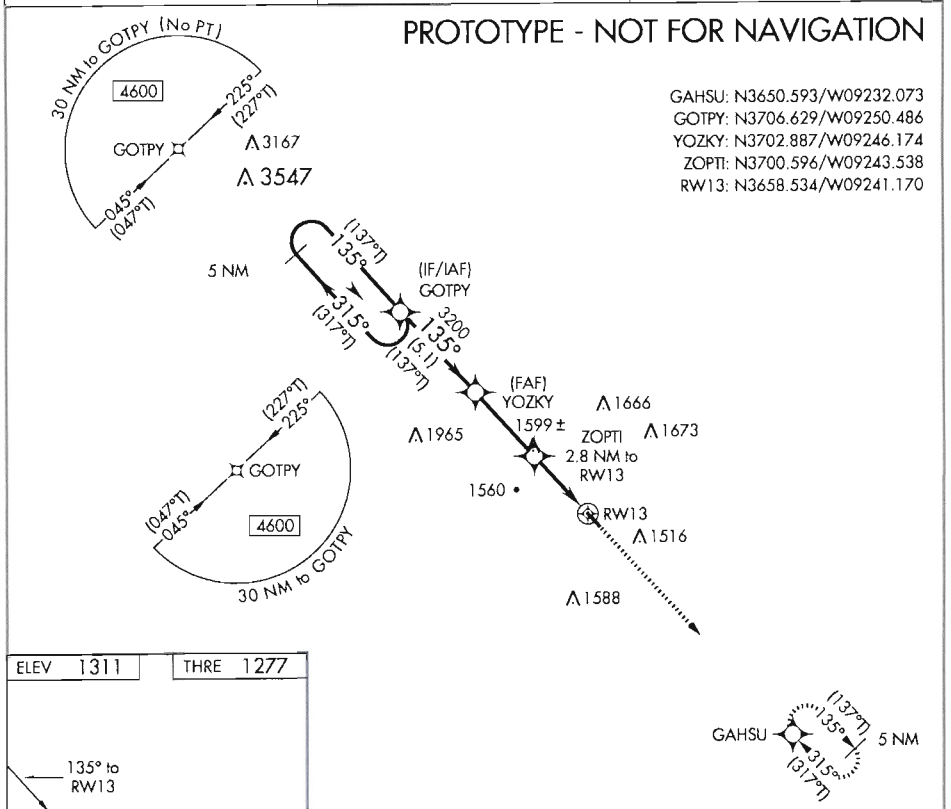
Procedure NA at night. DME/DME RNP-0.3 NA. Use Branson altimeter setting. if not recieved use Springfield altimeter setting and increase all MDA 20 feet. Helicopter visibility reduction below 1SM Not Authorized.

MISSED APPROACH: Climb to 3500 direct GAHSU and hold.

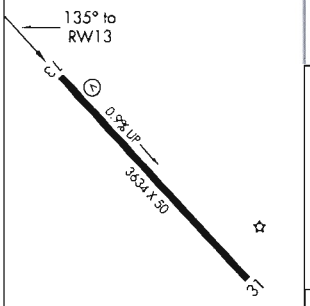
BRANSON AWOS-3	SPRINGFIELD APP CON	UNICOM
124.625	126.35	122.7 (CTAF)

PROTOTYPE - NOT FOR NAVIGATION

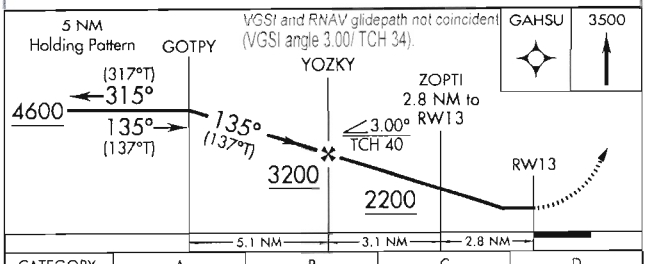
GAHSU: N3650.593/W09232.073
GOTPY: N3706.629/W09250.486
YOZKY: N3702.887/W09246.174
ZOPTI: N3700.596/W09243.538
RW13: N3658.534/W09241.170



ELEV 1311 THRE 1277



MIRL Rwy 13-31



CATEGORY	A	B	C	D
LNAV MDA	1840-1 563 (600-1)		NA	
CIRCLING	1940-1 629 (700-1)		NA	

AUTOMATED AL-6542 RNAV (GPS) RWY 13

NC-3
1 OCT 2012
COMPILER: LS
REVIEWER:
DBL CHKR:
EFF: FIG

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GOTPY (IF/IAF)	YOZKY (FB)	135.26 / 5.09	3200
YOZKY (FAF)	ZOPTI/2.80 NM TO RW13 (FB)	135.30 / 3.11	
ZOPTI/2.80 NM TO RW13	RW13 (MAP) (FO)	135.30 / 2.80	
RW13 (MAP)	1711 MSL	135.30	
1711 MSL	GAHSU (FO)		3500

MISSED APPROACH

LNAV: RW13

CLIMB TO 3500 DIRECT GAHSU AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 315.42 INBOUND.
CHART FAS OBST: 1499 TREE 370021N/0924312W
CHART 1599 TREE 370048N/0924336W
CHART BRANSON AWOS-3
YOZKY TO RW13: 3.00/40

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW GOTPY, RT, 135.26 INBOUND, 4600 FT. IN LIEU OF PT (IAF)
3. FAC: 135.30 FAF: YOZKY DIST FAF TO MAP: 5.91 THLD: 5.91
4. MIN. ALT: GOTPY 4600, YOZKY 3200, ZOPTI/2.80 NM TO RW13 2200
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 2E EPOCH YEAR: 2000

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
LNAV MDA	1840	1	563	1840	1	563		NA			NA				
CIRCLING	1940	1	629	1940	1	629		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: USE BRANSON ALTIMETER SETTING, IF NOT RECEIVED USE SPRINGFIELD BRANSON NATL ALTIMETER SETTING
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1311 THRE: 1277	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
AVA, MO	AIRPORT NAME: AVA BILL MARTIN MEMORIAL	RNAV	RNAV (GPS) RWY 13, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] **AMGR, ZKC, MO STATE AERO**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **JILL OLSON (JARED WINGO)**	FIFO **AJV-353**	DATE: **09/18/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

THIS RNAV (GPS) RWY 13 ORIGINAL REPLACES OLD GPS RWY 13 ADMT 2A

REASONS:

QUALITY CHECKED

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NOTES, (CONT.):
AND INCREASE ALL MDA 20 FT.

CHART NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	045/30 CW 225/30 (NOPT)	GOTPY (IF/IAF) (FB)	4600
2.	225/30 CW 045/30	GOTPY (IF/IAF) (FO)	4600

QUALITY CHECKED 6

CITY AND STATE	ELEVATION: 1311 THRE: 1277	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
AVA, MO	AIRPORT NAME: AVA BILL MARTIN MEMORIAL	RNAV	RNAV (GPS) RWY 13, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   GAHSU K30    W     N36503558W092320436                      E0009     NAR           GAHSU
        SUSAEAENRT   GOTPY K30    W     N37063776W092502918                      E0011     NAR           GOTPY
        SUSAEAENRT   YOZKY K30    W     N37025321W092461041                      E0010     NAR           YOZKY
        SUSAEAENRT   ZOPTI K30    W     N37003575W092433228                      E0010     NAR           ZOPTI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAOVK3AAOV     0     036YHN36581879W092405501E002001311         1800018000C    MNAR    AVA BILL MARTIN MEMORIAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAOVK3FR13   AGOTPY 010GOTPYK3EA0EE AR   HF                      13530050    + 04600     18000                B JS
        SUSAP KAOVK3FR13   R      010GOTPYK3EA0E  I    IF                                  + 04600     18000                B JS
        SUSAP KAOVK3FR13   R      020YOZKYK3EA1E  F 051TF                      13530051    + 03200                          B JS
        SUSAP KAOVK3FR13   R      020YOZKYK3EA2WN          N          ALNAV                                                 JS
        SUSAP KAOVK3FR13   R      021ZOPTIK3EA0E S  031TF                      13530031    V 0220002209        -300         B JS
        SUSAP KAOVK3FR13   R      030RW13 K3PG0GY M 031TF                      13530028      01317             -300         B JS
        SUSAP KAOVK3FR13   R      040         0  M     CA                      1353        + 01711                          B JS
        SUSAP KAOVK3FR13   R      050GAHSUK3EA0EY      DF                                  + 03500                          B JS
        SUSAP KAOVK3FR13   R      060GAHSUK3EA0EE  R   HM                      31540050    + 03500                          B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAOVK3GRW13    0036341354 N36583205W092411017+0900    +0360701277000040050R
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1311 THRE: 1277	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
AVA, MO	AIRPORT NAME: AVA BILL MARTIN MEMORIAL	RNAV	RNAV (GPS) RWY 13, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR 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.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GOTPY	GOTPY	010	IAF	HF	R	FO		135.3(137.3T)	005.0	AA 04600	
		GOTPY	010	FACF	IF		FB				AA 04600	
		YOZKY	020	FAF	TF		FB	0.5	135.3(137.3T)	005.1	AA 03200	
		ZOPTI	021	SDF	TF		FB	0.3	135.3(137.3T)	003.1	AA 02200 GS 02209	
		RW13	030	MAP	TF		FO	0.3	135.3(137.3T)	002.8	AT 01317	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		135.3(137.3T)		AA 01711	
	GAHSU	050		DF		FO				AA 03500	
	GAHSU	060		HM	R	FO		315.4(317.4T)	005.0	AA 03500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GAHSU	N365035.58	W0923204.36	N3650.593	W09232.073
	GOTPY	N370637.76	W0925029.18	N3706.629	W09250.486
	YOZKY	N370253.21	W0924610.41	N3702.887	W09246.174
	ZOPTI	N370035.75	W0924332.28	N3700.596	W09243.538
	RW13	N365832.05	W0924110.17	N3658.534	W09241.170

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01277	40

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 1311 THRE: 1277	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
AVA, MO	AIRPORT NAME: AVA BILL MARTIN MEMORIAL	RNAV	RNAV (GPS) RWY 13, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
STRAIGHT-IN AREA	045/30 CW 225/30	GOTPY	1. TOWER (29-000537)	371309.00N/0925657.00W	3571 (4D)	1000		4600
			2. TERRAIN	371343.65N/0924430.45W	1759 (1800)		AS1500	3300
STRAIGHT-IN AREA	225/30 CW 045/30	GOTPY	3. TOWER (29-002242)	364218.00N/0930346.00W	2049 (2C)	1000	AT1551	4600
			2. TERRAIN	371343.65N/0924430.45W	1759 (1800)		AS1500	3300
INTERMEDIATE	GOTPY (IF/IAF)	YOZKY	4. AAO	370310.19N/0924943.38W	1899 (2C)	500		2400
			5. TERRAIN	370310.19N/0924943.38W	1699 (1700)		AS1500	3200
FINAL: LNAV	YOZKY	ZOPTI/2.80 NM TO	6. AAO	370204.96N/0924437.13W	1839 (2C)	250	RA93	2200
		RW13						
FINAL: LNAV STEPDOWN	ZOPTI/2.80 NM TO	RW13	7. TREE	370021.14N/0924312.30W	1499 (2C)	250	RA85	1840
	RW13							
2. HOLD-IN-LIEU-OF-PT	GOTPY	P-6	1. TOWER (29-000537)	371309.00N/0925657.00W	3571 (4D)	1000		4600
			8. TERRAIN	370250.22N/0924928.59W	1699 (1700)		AS1500	3200
3. MISSED APPROACH — MAP:	RW13	GAHSU				ASC		3500
			9. AAO	365004.26N/0923431.11W	1619 (2C)	1000		2700
ELEV:	1755		10. TERRAIN	365004.26N/0923431.11W	1419 (1400)		AS1500	2900

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	ACTUAL							
CATEGORY A	1.3 NM	350	629	11. TREE	365845.43N/0923921.37W	1539 (2C)	300	RA85	1940
CATEGORY B	1.5 NM	450	629	11. TREE	365845.43N/0923921.37W	1539 (2C)	300	RA85	1940
CATEGORY C	1.7 NM	450							
CATEGORY D	2.3 NM	550							
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE	ELEVATION: 1311 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
AVA, MO	AVA BILL MARTIN MEMORIAL	RNAV	RNAV (GPS) RWY 13, ORIG	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
SPRINGFIELD APP CON COU FSS ZKC ARTCC	N W S F A A A / C	OTHER: AWOS-3	SOURCE: KBBG / KSGF DISTANCE: 36.33 / 37.68 HOURS REMOTE OPERATION: 24 / BACKUP
SATISFACTORY ON: X VHF X UHF HF	LOCATION: KBBG		ADJUSTMENT: 85 / 93

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRLNSTD 31 (PCL), 13 (PCL)
		REIL
		TDZ
		C/LINE
	X	OTHER (SPECIFY) SAVASI2L 13 (PCL)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT NPI - 13,31	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD FT. FROM THRESHOLD
	X	ON CENTERLINE FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: JILL OLSON (JARED WINGO)	DATE: 09/18/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

VDP NOT ESTABLISHED - REMOTE PRIMARY ALTIMETER.

RASS PRESSURE PATTERNS SAME
KBBG 1302, KAOV 1311
RA=84.82

RASS PRESSURE PATTERNS SAME
KSGF 1268, KAOV 1311
RA=92.69

100 FT VEGETATION USED PER FPT.

UNABLE TO VERIFY VISUAL SURFACES DUE TO LACK OF SURVEY.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

SERVICE A: KBBG - YES / KSGF - YES.

VGSI DATA: 3.00/34

TERPS 289 APPLIED TO 1599 TREE 370048N/0924336W.

PROCEDURE NA AT NIGHT, DUE TO LACK OF SURVEY.

LP MINIMA NA, NO MDA GAIN PROVIDED.

SEE ATTACHED AIRSPACE LETTER.

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GAHSU **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 365035.58N/0923204.36W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE		WP	135.42	315.42	R		5	3500	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	364313.00N/0922730.20W	1700	6C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
1. PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13		1	KAOV	AVA	MO (US)
IAP	RNAV (GPS) RWY 31		1	KAOV	AVA	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. FIX MOVED 73 FT NW, COORDINATES UPDATED.
2. DELETED MAKE-UP FACILITIES.
3. UPDATED HOLDING PATTERN - COURSE CHANGED FROM 315.39 TO 315.42 .
4. UPDATED CONTROLLING OBSTRUCTIONS - AAO=HIGHEST TERRAIN+ 200 FT.
5. UPDATED HOLDING RESTRICTIONS.
6. UPDATED FIX USE.
7. UPDATED DISTRIBUTION.

DEVELOPED BY: **DATE:** 09/17/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (JARED WINGO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZKC
ATC FACILITY:
OTHER:

QUALITY CHECKED 6

RADIO FIX AND HOLDING DATA RECORD

NAME: GOTPY **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 370637.76N/0925029.18W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW		WP	315.26	135.26	R		5	4600	14000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-000537)	371309.00N/0925657.00W	3571	4D
1	310	TOWER (29-000537)	371309.00N/0925657.00W	3571	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 31	KAOV	AVA	MO (US)

REMARKS:
1. PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13		1	KAOV	AVA	MO (US)
IAP	RNAV (GPS) RWY 31		1	KAOV	AVA	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. FIX MOVED 1.0 NM NW, COORDINATES UPDATED.
2. DELETED MAKE-UP FACILITIES.
3. ESTABLISHED HOLDING PATTERN 1.
4. UPDATED FIX USE.
5. UPDATED DISTRIBUTION.

DEVELOPED BY: **DATE:** 09/17/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (JARED WINGO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZKC
ATC FACILITY:
OTHER:

QUALITY CHECKED 6

RADIO FIX AND HOLDING DATA RECORD

NAME: YOZKY **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 370253.21N/0924610.41W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

REMARKS:
8260.54A 2-16B PFAF FORMULA APPLIED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13			KAOV	AVA	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. MOVED FIX 5546 FT NW, COORDINATES UPDATED.
2. DELETED FIX MAKE-UP FACILITIES.
3. UPDATED FIX USE.
4. UPDATED DISTRIBUTION.

DEVELOPED BY: **DATE:** 09/18/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (JARED WINGO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZKC
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZOPTI **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 370035.75N/0924332.28W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13			KAOV	AVA	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/18/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (JARED WINGO)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY:
OTHER:

QUALITY 6 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: AVA STATE: MO

AIRPORT NAME: AVA BILL MARTIN MEMORIAL ID: KAOV

PROCEDURE: RNAV (GPS) RWY 13 AMDT: ORIG

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from THLD to 1000' point 3.91
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of FINAL segment at 1000' point 1.20
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of FINAL segment containing 1000' point 137.30
4. High Terrain in FINAL segment containing 1000' point 1639.00
5. Distance from THLD to 1500' point 5.71
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of FINAL segment at 1500' point 2.00
7. True Course of FINAL segment containing 1500' point 137.30
8. High Terrain in FINAL segment containing 1500' point 1639.00
9. Threshold Coordinates (if straight-in) ... 365832.05N / 0924110.17W
10. ARP Coordinates ..... 365818.79N / 0924055.01W
11. Runway Approach End and distance furthest from ARP.....RWY 13
    Distance 0.30 NM
12. FAF Coordinates ..... 370253.21N / 0924610.41W
    (Click to Select)

REMARKS: Approach/Drawing attached.

TAA - INTERMEDIATE FIX GOTPY - 370637.76N/0925029.18W