Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 03/30/2012	Task #: 2012012428343801002	Request #: 20120124283438
Procedure: RNAV (GPS) RWY 21 AMDT 1		Airport ID: KFWB	Airport: BRANSON WEST MUNI - EMERSON FIELD		Reimbursable #:
City: BRANSON WEST	ST: MO	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID:	Fac. Type: LPV Proc-S	Specialist: KISSY MAXFIELD			P1

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	05/04/2012	07/11/2012	STEVEN SZUKALA	
QA:	07/11/2012	07/11/2012	STEVEN SZUKALA	
Liaison:	07/11/2012		K. Spurlin	FI:

Procedure Comments: **Remark Type:** INFORMATION PKG 2 of 2

BRANSON WEST, MO; BRANSON WEST MUNI-EMERSON FIELD (KFW8); RNAV (GPS) RWY 21, AMDT 1; ENROUTE-NO; FC BY 10/2/12; PUB 11/15/12

ATTACHED FORMS: 8260-3, 8260-9, 8260-10
8260-2: BRNTT, REV 1; EDJON (INT), REX 1; ENDRS (INT), REV 1; HIVGA, REV 1

CONTACT: JILL OLSON/STEVEN BARNETT, 405.954.0414/9568.

WAAS	APP CRS	Rwy Idg	5002
CH 86426 W21A	214°	THRE	1348
		Apt Elev	1348

RNAV (GPS) RWY 21

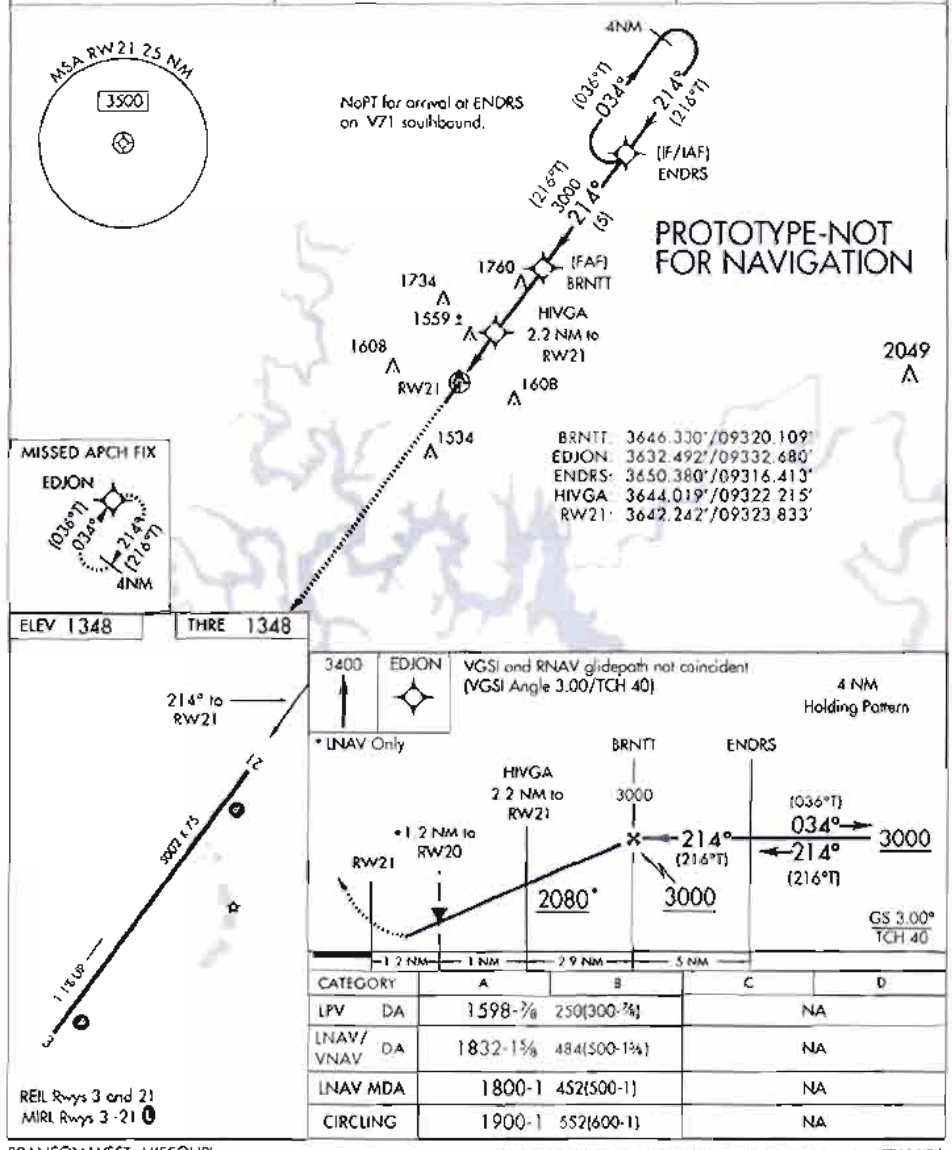
BRANSON WEST MUNI · EMERSON FIELD (FWB)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Branson altimeter setting, increase all DA 39 feet and all MDA 40 feet; increase LPV Cat A/B visibility to 1 mile and LNAV/VNAV Cat A/B visibility to 1½. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). LPV and Baro-VNAV NA when using Branson altimeter setting.

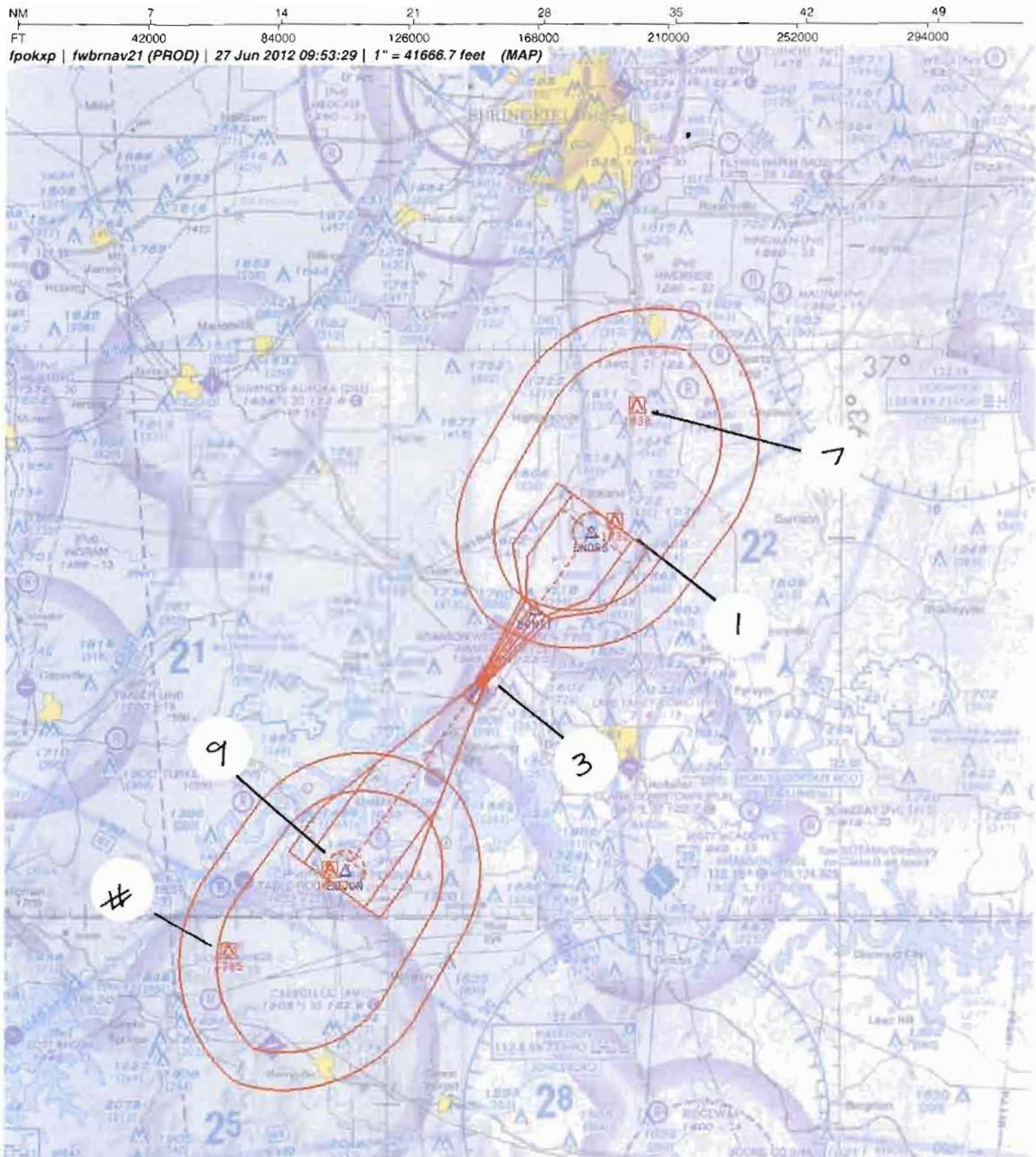
NA

MISSED APPROACH: Climb to 3400 direct EDJON and hold.

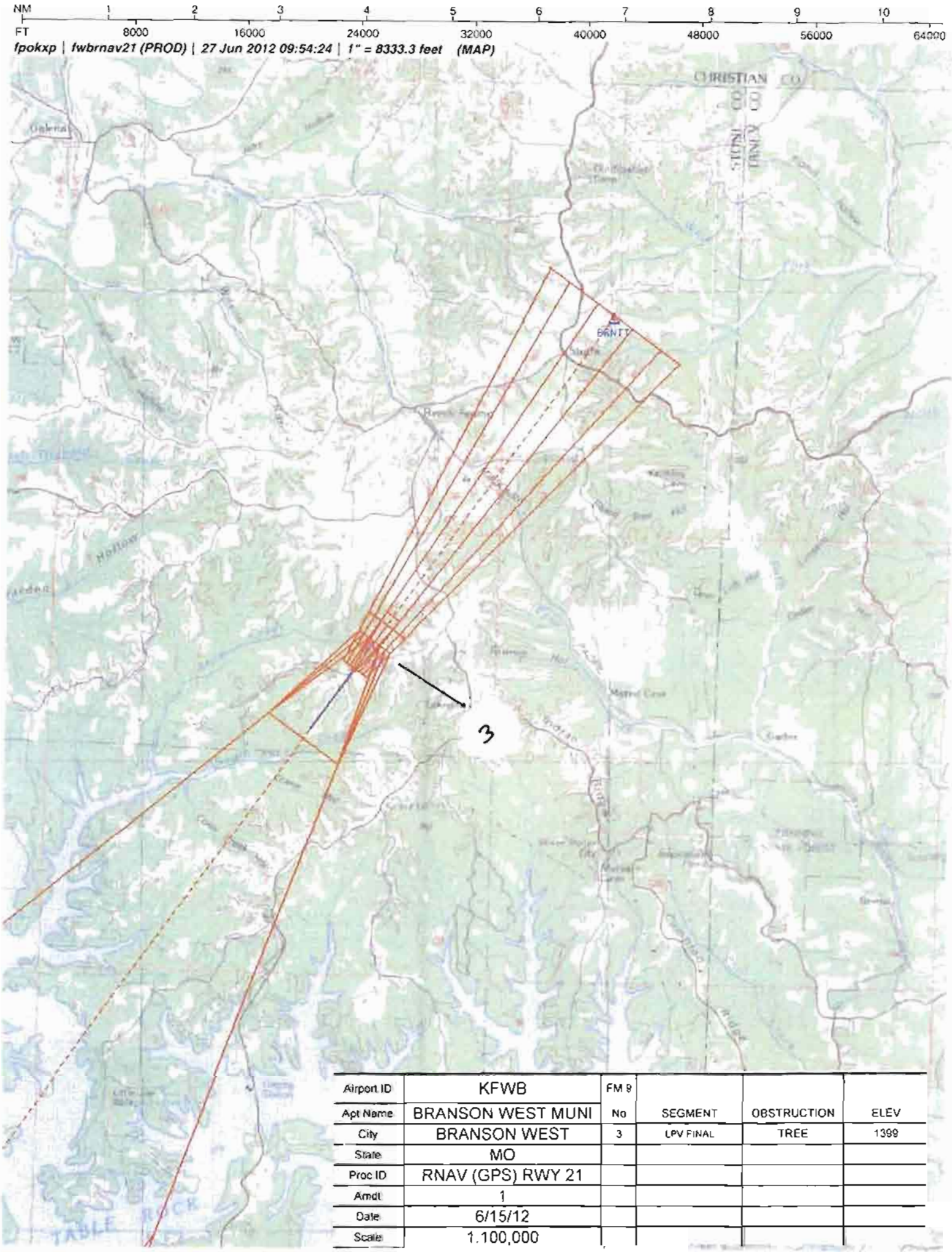
AWOS-3	SPRINGFIELD APP CON	UNICOM
119.725	126.35	123.0 (CTAF)



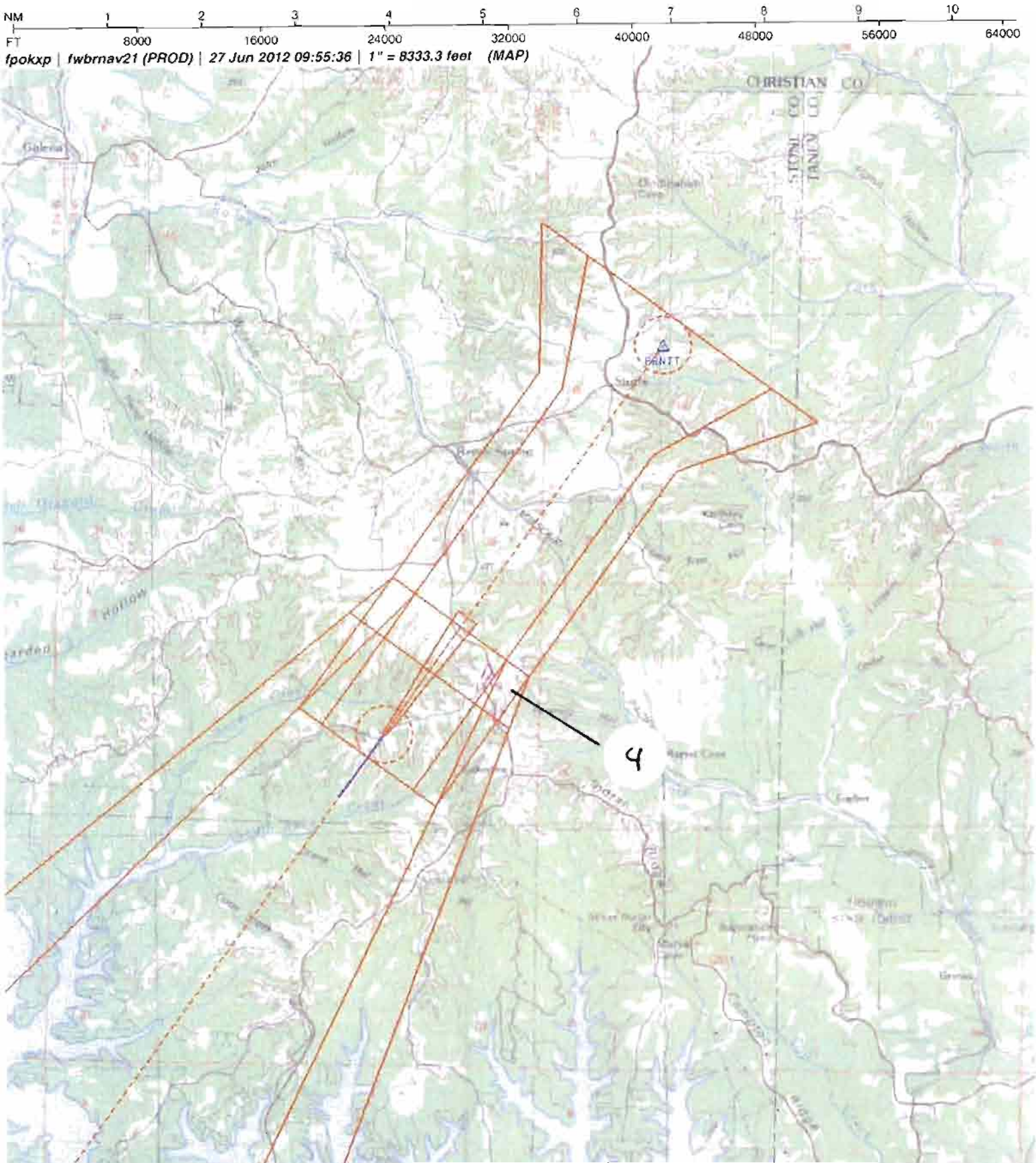
CATEGORY	A	B	C	D
LPV DA	1598-⅞	250(300-⅞)	NA	
LNAV/VNAV DA	1832-1⅝	484(500-1¾)	NA	
LNAV MDA	1800-1	452(500-1)	NA	
CIRCLING	1900-1	552(600-1)	NA	



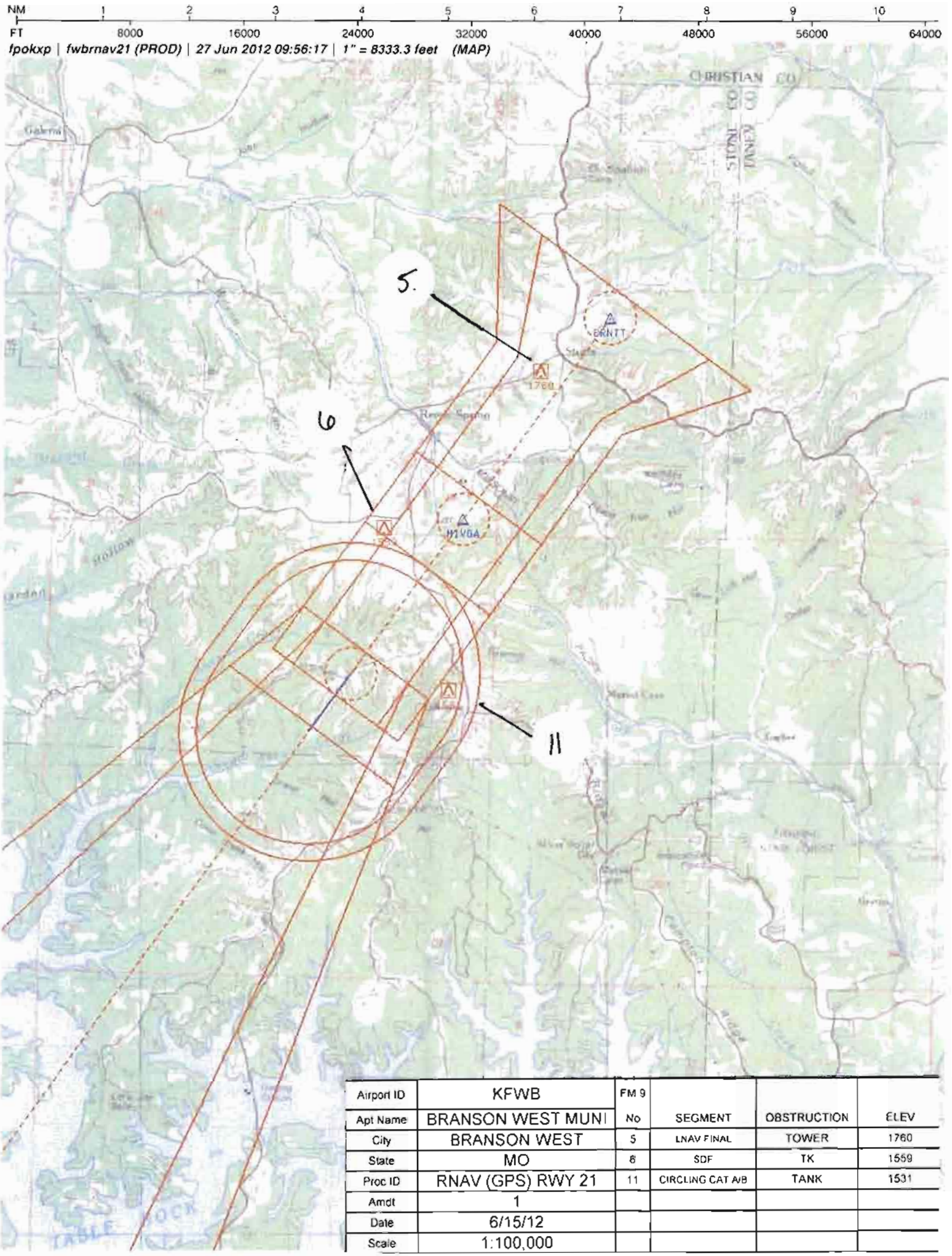
Airport ID	KFWB	FM 9			
Apt Name	BRANSON WEST MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City	BRANSON WEST	1	INTERMEDIATE	TOWER	1732
State	MO	3	LPV FINAL	TREE	1399
Proc ID	RNAV (GPS) RWY 21	9	MISSED	TOWER	1615
Amdt	1	7	HIL	TOWER	1838
Date	6/15/12	#	HOLD	TOWER	1838
Scale	1:500,000				



Airport ID	KFWB	FM 9			
Apt Name	BRANSON WEST MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City	BRANSON WEST	3	LPV FINAL	TREE	1399
State	MO				
Proc ID	RNAV (GPS) RWY 21				
Amdt	1				
Date	6/15/12				
Scale	1:100,000				



Airport ID	KFWB	FM 9			
Apt Name	BRANSON WEST MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City	BRANSON WEST	4	LNAV/VNAV FINAL	TREE	1519
State	MO				
Proc ID	RNAV (GPS) RWY 21				
Amdt	1				
Date	6/15/12				
Scale	1:100,000				



Airport ID	KFWB	FM 9			
Apt Name	BRANSON WEST MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City	BRANSON WEST	5	LNAV FINAL	TOWER	1760
State	MO	6	SDF	TK	1559
Proc ID	RNAV (GPS) RWY 21	11	CIRCLING CAT A/B	TANK	1531
Amdt	1				
Date	6/15/12				
Scale	1:100,000				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ENDRS (IF/IAF)	BRNTT (FB)	214.30 / 5.02	3000
BRNTT (FAF)	HIVGA/2.20 NM TO RW21 (FB)	214.27 / 2.86	
HIVGA/2.20 NM TO RW21	RW21 (MAP) (FO)	214.25 / 2.20	
RW21 (MAP)	1598 MSL	214.25	
1598 MSL	EDJON (FO)		3400

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW21

CLIMB TO 3400 DIRECT EDJON AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NE ENDRS, RT, 214.30 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 214.27 FAF: BRNTT DIST FAF TO MAP: 5.06 THLD: 5.06
4. MIN. ALT: ENDRS 3000, BRNTT 3000, HIVGA/2.20 NM TO RW21 2080*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: BRNTT 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW21 3500

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 034.16 INBOUND.
CHART FAS OBST: 1559 TK 364350N/0932321W
DISTANCE TO THLD FROM 250 HATH: 0.66 NM.
CHART VDP AT 1.18 MILES TO RW21*
*LNAV ONLY.
WAAS CHANNEL # 86426
REFERENCE PATH ID: W21A
LTP HAE: 382.2 M

MAG VAR: 2E EPOCH YEAR: 2008

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	1598	1	250	1598	1	250		NA			NA				
LNAV/VNAV DA	1832	1 5/8	484	1832	1 5/8	484		NA			NA				
LNAV MDA	1800	1	452	1800	1	452		NA			NA				
CIRCLING	1900	1	552	1900	1	552		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT ENDRS ON V71 SOUTHBOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BRANSON ALTIMETER SETTING; INCREASE ALL
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1348 THRE: 1348 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BRANSON WEST, MO	BRANSON WEST MUNI - EMERSON FIELD	RNAV	RNAV (GPS) RWY 21, AMDT 1	AMDT: ORIG
				DATED 02/09/2012

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] **SGF APP CON, ZKC, AMGR**

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
JILL OLSON (KISSY MAXFIELD)	**AJV-353**	**06/14/2012**

APPROVED BY

NAME:		FIFO	DATE:
LARRY H STROUT	**MANAGER**	**AJV-353**	

CHANGES:

1. ENDRS TO BRNTT COURSE CHANGED FROM 214.28 TO 214.30.
2. BRNTT TO HIVGA COURSE CHANGED FROM 214.28 TO 214.27.
3. FINAL COURSE CHANGED FROM 214.26 TO 214.27.
4. CHANGED NOTE OF 34:1 CLEAR TO 34:1 NOT CLEAR.
5. ADDED LPV AND LNAV/VNAV LINES OF MINIMUM.
6. CHANGED VGSI NOT COINCIDENT NOTE FROM "DESCENT ANGLE" TO "RNAV GLIDEPATH".
7. ADDED VISIBILITY REDUCTION BY HELICOPTER NOTE.
8. UPDATED BACKUP ALTIMETER NOTE TO INCLUDE LPV AND LNAV/VNAV.
9. ADDED BARO-VNAV NA NOTE.
10. ADDED LNAV/VNAV CRITICAL TEMPERATURE NOTE.
11. SDF TO MAP COURSE CHANGED FROM 214.26 TO 214.25.

REASONS:

1, 2, 3. RELOCATED PFAF PER 8260.54A CRITERIA.
4, 7. NEW OBSTACLES WHICH PENETRATE 34:1 SURFACE.
5. PER FPT REQUEST.
6. IAW 8260.19E 8-55 NOTE N1.
8. ADDED LPV AND LNAV/VNAV LINE OF MINIMUMS.
9, 10. ADDED LNAV/VNAV LINE OF MINIMUMS.
11. UPDATED COURSE.

08/27/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/17/2012
CHANGED LPV VISIBILITY FROM 7/8 TO 1 PER MODOT DUE TO AIRPORT DESIGN.

09/10/2012: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 09/06/2012.
CHANGED FI TO FIELD ON PAGES 3-5 FOR THE AIRPORT NAME.

SDF EDIT:
1. ADDED (FAF) TO TERMINAL ROUTE BRNTT.
2. CHANGED MISSED APPROACH ALTITUDE FROM 1598 TO 3400.
3. REMOVED 2080* ALTITUDE.

QUALITY REVIEWED

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NOTES, (CONT.):
DA 39 FEET AND ALL MDA 40 FEET; INCREASE LPV CAT A/B VISIBILITY TO 1 MILE AND LNAV/VNAV CAT A/B VISIBILITY TO 1 3/4.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING BRANSON ALTIMETER SETTING.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1348 THRE: 1348	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BRANSON WEST, MO	AIRPORT NAME: BRANSON WEST MUNI - EMERSON FIELD	RNAV	RNAV (GPS) RWY 21, AMDT 1	AMDT: ORIG
				DATED: 02/09/2012

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

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:

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

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:

QUALITY CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFWB
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	364214.5385N
LTP/FTP LONGITUDE	0932349.9550W
LTP/FTP ELLIPSOIDAL HEIGHT	+03822
FPAP LATITUDE	364102.5700N
FPAP LONGITUDE	0932455.4300W
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	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	C5A3EAC7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04109
FPAP ORTHOMETRIC HEIGHT	+04109

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1348 THRE: 1348 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
BRANSON WEST, MO	BRANSON WEST MUNI - EMERSON FIELD	RNAV	RNAV (GPS) RWY 21, AMDT 1	AMDT: ORIG
				DATED: 02/09/2012

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 - 424-8 - RNAV (GPS)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   BRNTT K30    W     N36461978W093200656                E0014     NAR           BRNTT
          SUSAEAENRT   EDJON K30    W     N36322949W093324082                E0016     NAR           EDJON
          SUSAEAENRT   ENDRS K30    C   L N36502277W093162476                E0013     NAR           ENDRS
          SUSAEAENRT   HIVGA K30    W     N36440115W093221290                E0014     NAR           HIVGA

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFWBK3AFWB     0     050YHN36415460W093240810E002001348         1800018000C    MNAR    BRANSON WEST MUNI - EMERSON FI

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFWBK3FR21   AENDRS 010ENDRSK3EA0EE AR   HF                  21430040    + 03000     18000                A JS
          SUSAP KFWBK3FR21   R      010ENDRSK3EA0E  I    IF                              + 03000     18000                A JS
          SUSAP KFWBK3FR21   R      020BRNTTK3EA1E  F 051TF                  21430050    + 03000                 RW21  K3PGA JS
          SUSAP KFWBK3FR21   R      020BRNTTK3EA2WALPV       ALNAV/VNAV ALNAV                                             JS
          SUSAP KFWBK3FR21   R      021HIVGAK3EA0E S  031TF                  21430029    V 0208002088        -300         A JS
          SUSAP KFWBK3FR21   R      030RW21 K3PG0GY M 031TF                  21430022      01388             -300         A JS
          SUSAP KFWBK3FR21   R      040        0  M     CA                   2143        + 01598                        A JS
          SUSAP KFWBK3FR21   R      050EDJONK3EA0EY      DF                              + 03400                        A JS
          SUSAP KFWBK3FR21   R      060EDJONK3EA0EE  R   HM                  03420040    + 03400                        A JS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFWBK3GRW21    0050022142 N36421454W093234996-1100    +038220134800004007 5R

          1         2         3         4         5         6         7         8         9         0         1         2         3
PP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFWBK3PR21   RW21 001 0000W21A0N3642145385W09323499550+038220300N3641025700W0932455430010675122400040 0F400500C5A3EAC7
          SUSAP KFWBK3PR21   RW21 002E      +04109+04109LPV       86426

          1         2         3         4         5         6         7         8         9         0         1         2         3
MSA       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KFWBK3SRW21 K3PG              0   18018003525                                                              M
```

CITY AND STATE	ELEVATION: 1348 THRE: 1348	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BRANSON WEST, MO	AIRPORT NAME: **BRANSON WEST MUNI - EMERSON FIELD**	**RNAV**	**RNAV (GPS) RWY 21, AMDT 1**	AMDT: **ORIG**
				DATED: **02/09/2012**

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

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:

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ARINC SUMMARY - 424-8 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ENDRS	ENDRS	010	IAF	HF	R	FO		214.3(216.3T)	004.0	AA 03000	
		ENDRS	010	FACF	IF		FB				AA 03000	
		BRNTT	020	FAF	TF		FB	0.5	214.3(216.3T)	005.0	AA 03000	
		HIVGA	021	SDF	TF		FB	0.3	214.3(216.3T)	002.9	AA 02080 GS 02088	
		RW21	030	MAP	TF		FO	0.3	214.3(216.3T)	002.2	AT 01388	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		214.3(216.3T)		AA 01598	
	EDJON	050		DF		FO				AA 03400	
	EDJON	060		HM	R	FO		034.2(036.2T)	004.0	AA 03400	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BRNTT	N364619.78	W0932006.56	N3646.330	W09320.109
	EDJON	N363229.49	W0933240.82	N3632.492	W09332.680
	ENDRS	N365022.77	W0931624.76	N3650.380	W09316.413
	HIVGA	N364401.15	W0932212.90	N3644.019	W09322.215
	RW21	N364214.54	W0932349.96	N3642.242	W09323.833

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	01348	40

CITY AND STATE	ELEVATION: 1348 / THRE: 1348	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BRANSON WEST, MO	AIRPORT NAME: BRANSON WEST MUNI - EMERSON FIELD	RNAV	RNAV (GPS) RWY 21, AMDT 1	AMDT: ORIG
				DATED: 02/09/2012

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

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.
INTERMEDIATE	ENDRS (IF/IAF)	BRNTT	1. TOWER (29-001469)	365032.15N/0931452.61W	1732 (5E)	500	AC125 AT643	3000
			2. TERRAIN	364824.00N/0932048.00W	1408 (1400)		AS1500	2900
FINAL: LPV	BRNTT	RW21	3. TREE (KFWBT0140)	364224.99N/0932334.05W	1399 (1A)	34:1		1598/250
FINAL: LNAV/VNAV	BRNTT	RW21	4. TREE	364249.14N/0932226.66W	1519 (2C)	23.4:1	AC20	1832/484
FINAL: LNAV	BRNTT	HIVGA/2.20 NM TO RW21	5. TOWER (29-002732)	364538.00N/0932106.00W	1760 (1A)	250	RA39 DG31	2080
FINAL: LNAV STEPDOWN	HIVGA/2.20 NM TO RW21	RW21	6. TK (KFWBT0201)	364349.86N/0932320.87W	1559 (1A)	250	SA-19	1800
2. HOLD-IN-LIEU-OF-PT	ENDRS	P-5	7. TOWER (29-001351)	365639.00N/0931325.00W	1838 (5E)	1000	AT162	3000
			8. TERRAIN	365712.00N/0931036.00W	1441 (1400)		AS1500	2900
3. MISSED APPROACH MAP:	DA / DA / RW21	EDJON				ASC		3400
			9. AAO	363206.00N/0933342.00W	1615 (4E)	1000		2700
ELEV:	1411/1690/1700		10. TERRAIN	363251.00N/0933245.00W	1405 (1400)		AS1500	2900

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL		OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
CATEGORY A	1.3 NM	350	552		11. TANK (29-020462)	364158.43N/0932224.41W	1531 (4D)	300	AC50	1900
CATEGORY B	1.5 NM	450	552		11. TANK (29-020462)	364158.43N/0932224.41W	1531 (4D)	300	AC50	1900
CATEGORY C	1.7 NM	450								
CATEGORY D	2.3 NM	550								
CATEGORY E	4.5 NM	550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW21

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (05-000787)	182/ 24.8	2491 (5D)	3500					

CITY AND STATE	ELEVATION: 1348 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
BRANSON WEST, MO	BRANSON WEST MUNI - EMERSON FIELD	RNAV	RNAV (GPS) RWY 21, AMDT 1	ACE

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SGF APP CON ZKC ARTCC	[ ] NWS OTHER: AWOS-3 [ ] FAA [ ] A/C	SOURCE: KFWB / KBBG DISTANCE: 0 / 13.94 HOURS REMOTE OPERATION: 24
SATISFACTORY ON:		
[X] VHF [X] UHF [ ] HF	LOCATION: KFWB	ADJUSTMENT: 0 / 39

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		
		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 21 (PCL), 03 (PCL)
	X	REIL 21, 03
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4R 03 (PCL) PAPI-4L 21 (PCL)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 21, 03
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 1348.0
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 40.0

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 (KISSY MAXFIELD)	DATE: 06/14/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RASS PRESSURE PATTERNS SAME
KFWB 1348.1, KBBG 1302.6
RA = 38.43.
NO ADDITIONAL AIRSPACE REQUIRED.

VEGETATION HEIGHT OF 100 FT. USED PER FPT.

TAA NOT DEVELOPED PER ATC.

VGSI DATA: 3.30/39.5

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL"
PENETRATIONS:
34:1:
1397 TREE (KFWBT0141) 364229.08N-0932340.70W (3.81)
1397 TREE (KFWBT0139) 364225.75N-0932335.38W (4.26)

LPV SLOPE: 34:1
LNAV/VNAV: 23.4:1

AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION.
NO HISTORICAL TEMPERATURE DATA IS AVAILABLE FOR THIS AIRPORT.
TEMPERATURE LIMITS, DELTA ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR.

KFWB AWOS NOT ON SERVICE A.
KBBG AWOS ON SERVICE A.

OBST #11 4D AC PER FC.

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BRNTT **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 364619.78N/0932006.56W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 21			KFWB	BRANSON WEST	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

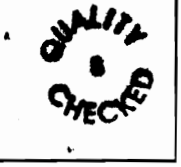
REASON FOR REVISION:
MOVED FIX 13 FT NORTHEAST.

DEVELOPED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (KISSY MAXFIELD)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: SGF APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: EDJON **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 363229.49N/0933240.82W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

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	SW		WP	214.16	034.16	R		4	3400	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	362745.00N/0934018.00W	1785	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 03		1	KFWB	BRANSON WEST	MO (US)
IAP	RNAV (GPS) RWY 21		1	KFWB	BRANSON WEST	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
HOLDING PATTERN 1 INBOUND COURSE CHANGED FROM 034.15 TO 034.16.
FIX MOVED 12 FT SOUTHEAST.

DEVELOPED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (KISSY MAXFIELD)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: SGF APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ENDRS **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 365022.77N/0931624.76W **TYPE:** WP, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SPRINGFIELD	SGF	VORTAC	H	170.62	174.62	31.07	31.07		3000	17500

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	NE		WP	034.30	214.30	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-001351)	365639.00N/0931325.00W	1838	5E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V71	1				(US)
IAP	RNAV (GPS) RWY 21		1	KFWB	BRANSON WEST	MO (US)
IAP	RNAV (GPS) RWY 3		1	KFWB	BRANSON WEST	MO (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
CHANGED PATTERN 1 HOLDING INBOUND COURSE FROM 214.28 TO 214.30.

DEVELOPED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (KISSY MAXFIELD)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: SGF APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HIVGA **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 364401.15N/0932212.90W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 21			KFWB	BRANSON WEST	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
MOVED FIX 4 FT SOUTHWEST.

DEVELOPED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (KISSY MAXFIELD)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: SGF APP CON
OTHER: