

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.												
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION																
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW11 CLIMB TO 2300 DIRECT JOVAR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 283.79 INBOUND. CHART FAS OBST: 685 TREE 390516N/0883431W CHART: 906 TOWER 390720N/0883831W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 0.97 MILES TO RW11* *LNAV ONLY. WAAS CHANNEL # 99439 REFERENCE PATH ID: W11A CHART CIRCLING ICON. LTP HAE: 146.5 M					
BIB VORTAC		FISIX (FO)			318.22 / 17.98				2500							
MOBBY		FISIX (FO)			248.57 / 19.27				2500							
UFJUV (IAF)		FISIX (NOPT) (FB)			086.84 / 12.85				2500							
FISIX (IF/IAF)		FIBGO (FB)			113.86 / 5.00				2300							
FIBGO (FAF)		NAMVE/1.70 NM TO RW11 (FB)			113.92 / 3.54											
NAMVE/1.70 NM TO RW11		RW11 (MAP) (FO)			113.92 / 1.70											
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW FISIX, RT, 113.86 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: 113.92 FAF: FIBGO DIST FAF TO MAP: 5.24 THLD: 5.24 4. MIN. ALT: FISIX 2500, FIBGO 2300, NAMVE/1.70 NM TO RW11 1160* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2300 GS ALT AT: FIBGO 2300 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR 8. MSA FROM: RW11 2500																
										MAG VAR: 1W EPOCH YEAR: 1995						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @						
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	835	1	250	835	1	250	835	1	250	835	1	250				
LNAV/VNAV DA	856	1	271	856	1	271	856	1	271	856	1	271				
LNAV MDA	940	1	355	940	1	355	940	1	355	940	1	355				
CIRCLING	1020	1	435	1080	1	495	1440	2 1/2	855	1440	2 3/4	855				
NOTES: CHART NOTE: NIGHT LANDING: RWY 1, 19 NA. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BIB VORTAC ON V12 EASTBOUND.																
CITY AND STATE EFFINGHAM, IL		ELEVATION: 585 TDZE: 585 AIRPORT NAME: EFFINGHAM COUNTY MEMORIAL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG				SUP:				
												AMDT: NONE				
												DATED				



ALL AFFECTED PROCEDURES REVIEWED? <div><input checked="" type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
ROUTINE					
COORDINATED WITH:					
ATA <div></div>		AAT <div></div>		ALPA <div><input checked="" type="checkbox"/></div>	
APA <div></div>		AOPA <div><input checked="" type="checkbox"/></div>		NBAA <div><input checked="" type="checkbox"/></div>	
OTHER (specify) <div><input checked="" type="checkbox"/> ZKC, AMGR.</div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME: <div>Digitally signed by DEANNA M FIELDS Mar 24, 2016</div>				FIFO AJV-5421	DATE: 03/14/2016
APPROVED BY					
NAME: TONY R LAWSON MANAGER				FIFO AJV-5420	DATE:
CHANGES: ORIGINAL					
REASONS: FPT CHECKLIST.					



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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW11 (MAP)	835 MSL	113.92	
835 MSL	JOVAR (FO)		2300

QUALITY
25
CHECKED

CITY AND STATE
EFFINGHAM, IL

ELEVATION: 585 TDZE: 585
AIRPORT NAME:
EFFINGHAM COUNTY MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 11, ORIG

SUP:
AMDT: NONE
DATED:

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
COORDINATED WITH:					
ATA	AAT	ALPA	APA	AOPA	NBAA OTHER (specify)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _____
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - 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.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	1H2
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	390424.9030N
LTP/FTP LONGITUDE	0883228.7435W
LTP/FTP ELLIPSOIDAL HEIGHT	+01465
FPAP LATITUDE	390350.0580N
FPAP LONGITUDE	0883043.4340W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 D7E4CD01

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01784
FPAP ORTHOMETRIC HEIGHT	+01784

QUALITY
25
CHECKED

CITY AND STATE EFFINGHAM, IL	ELEVATION: 585 AIRPORT NAME: EFFINGHAM COUNTY MEMORIAL	TDZE: 585 	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG	SUP:
					AMDT: NONE
					DATED:

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: ATA AAT ALPA APA AOPA NBAA OTHER (specify) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.
--	--

ARINC SUMMARY - 1H2

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BIB	010	BIB	IF	FB										V
BIB	020	FISIX	TF	FO	2.0	318.2						AA 02500		EY
BIB	030	FISIX	HF	FO		113.9			R			AA 02500		EE A
MOBBY	010	MOBBY	IF	FB										E
MOBBY	020	FISIX	TF	FO	2.0	248.6						AA 02500		EY
MOBBY	030	FISIX	HF	FO		113.9			R			AA 02500		EE A
UFJUV	010	UFJUV	IF	FB										E A
UFJUV	020	FISIX	TF	FB	1.0	086.8						AA 02500		EE B
	010	FISIX	IF	FB								AA 02500		E I
	020	FIBGO	TF	FB	1.0	113.9				RW11		AA 02300		E F
	021	NAMVE	TF	FB	0.3	113.9		3.00				AA 01160 GS 01172		E S
	030	RW11	TF	FO	0.3	113.9		3.00				AT 00630		GY M
	040		CA	FB		113.9						AA 00835		M
	050	JOVAR	DF	FO								AA 02300		EY
	060	JOVAR	HM	FO		283.8			R			AA 02300		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BIB	N385513.24	W0882854.50
FIBGO	N390627.73	W0883840.81
FISIX	N390824.54	W0884435.94
JOVAR	N385947.62	W0881237.06
MOBBY	N391548.44	W0882142.26
NAMVE	N390504.76	W0883429.34
UFJUV	N390729.77	W0890103.98

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW11	N390424.90	W0883228.74	00585	45



CITY AND STATE EFFINGHAM, IL	ELEVATION: 585 TDZE: 585 AIRPORT NAME: EFFINGHAM COUNTY MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG	SUP: <hr/> AMDT: NONE <hr/> DATED:
--	---	--	--	---

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: <div>ATA<input type="checkbox"/> AAT<input type="checkbox"/> ALPA<input type="checkbox"/> APA<input type="checkbox"/> AOPA<input type="checkbox"/> NBAA<input type="checkbox"/> OTHER (specify) <input type="checkbox"/> _____</div>					
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.					
FEEDER		BIB VORTAC		FISIX		1. TOWER (17-003342)		390403.70N/0883912.70W		922 (5D)		1000		AT578		2500					
						2. TERRAIN		390748.00N/0884100.00W		637 (600)				AS1500		2100					
FEEDER		MOBBY		FISIX		3. TOWER (17-002367)		391459.00N/0882248.00W		1125 (5D)		1000		AT375		2500					
						4. TERRAIN		391354.00N/0883242.00W		667 (700)				AS1500		2200					
INITIAL		UFJUV		FISIX		5. AAO		390903.00N/0885806.00W		883 (4E)		1000		AT617		2500					
						6. TERRAIN		390903.00N/0885806.00W		683 (700)				AS1500		2200					
INTERMEDIATE		FISIX (IF/IAF)		FIBGO		7. TOWER (17-001349)		390720.00N/0883831.00W		906 (5E)		500		AC125 AT769		2300					
						8. TERRAIN		390909.00N/0884030.00W		660 (700)				AS1500		2200					
FINAL: LPV		FIBGO		RW11								ASC				835/250					
FINAL: LNAV/VNAV		FIBGO		RW11		9. TREE (K1H2T0707)		390412.11N/0883343.13W		675 (2C)		161		AC20		856/271					
FINAL: LNAV		FIBGO		NAMVE/1.70 NM TO RW11		10. TOWER (17-002681)		390556.94N/0883546.30W		833 (1A)		250		RA76		1160					
FINAL: LNAV STEPDOWN		NAMVE/1.70 NM TO RW11		RW11		11. TREE (K1H2T0538)		390516.48N/0883430.50W		685 (1A)		250				940					
2. HOLD-IN-LIEU-OF-PT		FISIX		P-5		12. TOWER (17-003527)		391108.45N/0884749.54W		960 (1A)		1000		AT540		2500					
						8. TERRAIN		390909.00N/0884030.00W		660 (700)				AS1500		2200					
3. MISSED APPROACH	MAP:		DA / DA / RW11		JOVAR								ASC				2300				
	ELEV:		648/695/840				13. TOWER (17-002560)		385751.00N/0881224.00W		1178 (5D)		1000				2200				
						14. TERRAIN		390415.00N/0882312.00W		604 (600)				AS1500		2100					
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.																	
CATEGORY A		1.3 NM		REQUIRED	ACTUAL	350		435		15. TWR (K1H2T0318)		390244.55N/0883234.33W		715 (1A)		300		1020			
CATEGORY B		1.5 NM				450		495		16. TANK (17-002224)		390533.00N/0883327.00W		730 (5D)		300		AC50		1080	
CATEGORY C		1.7 NM				450		855		17. TWR (17-000152)		390627.00N/0883344.00W		1090 (1D)		300		AC50		1440	
CATEGORY D		2.3 NM				550		855		18. TWR (K1H2T0391)		390730.12N/0883058.99W		1127 (1A)		300				1440	
CATEGORY E		4.5 NM				550															
5. MINIMUM SAFE ALTITUDES																					
PRIMARY NAVAID: RW11																					
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A			
360-360		TWR (17-000499)		127/23.9		1449 (5E)		2500													
CITY AND STATE		ELEVATION: 585		FACILITY		PROCEDURE AND AMENDMENT NO:		REGION													
EFFINGHAM, IL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 11, ORIG		AGL													
		EFFINGHAM COUNTY MEMORIAL																			

QUALITY

25

CHECKED

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:			
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING				TERPS PARAGRAPH 289 APPLIED TO 906 TOWER 390720N/0883831W	
STL FSS ZKC ARTCC				N W S		OTHER: AWOS-3		SOURCE:K1H2 / KOLY				CRITICAL TEMPERATURES: DESCENT RATE: STANDARD TEMP 962 HIGH TEMP 1123. CRITICAL LOW :-16C (+4F) CRITICAL HIGH :+54C (+130F) ACT :-16C APT ISA :+13.84C	
				F A A				DISTANCE: 0 / 26.77					
				A / C				HOURS REMOTE OPERATION: 0 / 24					
SATISFACTORY ON:				LOCATION: K1H2				ADJUSTMENT: 0 / 76				ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.83NM CAT C: 2.87NM CAT D: 3.75NM	
X V H F		X U H F		H F									
4. MONITOR STATUS		PRIMARY NAVAID:											
		MONITOR POINT:											
		HRS		CAT 1								SEE ATTACHED AIRSPACE LETTER. AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION. CRITICAL LOW TEMPERATURE BASED ON ACT. PRECIPITOUS TERRAIN EVALUATION COMPLETED. VGSI DATA: NONE FPT APPROVAL: NO BACKUP ALTIMETER AND NOTES WILL BE ADDED TO THE NEW PROCEDURE. 2. K1H2 AWOS-3 ON SERVICE A. CONTINGENCY ALTIMETER RASS PRESSURE PATTERNS THE SAME K1H2 585, KOLY 482 RA = 76.0. VDP, BARO-VNAV, AND ALTERNATE MINIMUMS NA WHEN USING KOLY ALTIMETER SETTING.	
		OPTN:		CAT 3									
5. APPROACH & RUNWAY LIGHTING				ALS									
				(S) SALS									
				MALS									
				HIRL									
		X		MIRL 01 (PCL), 11 (PCL), 19 (PCL), 29 (PCL)									
		X		REIL 29 (PCL)									
				TDZ									
		C/LINE								LPV 250 HAT FOR NPI RUNWAY MARKINGS. LPV SLOPE: 34:1 LNAV/VNAV SLOPE: 23.42:1			
X		OTHER (SPECIFY) PVASI-PSIL 01 (PCL), 19 (PCL)											
6. RUNWAY MARKINGS		BASIC BSC-G 19											
		ALL WEATHER											
		INSTRUMENT NPI-G 01, 11, 29											
7. RUNWAY VISUAL RANGE		APPROACH								ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS: 20:1 RWY 01, 655 TREE (K1H2T0264) 390340.33N/0883213.33W (16.88) 647 TREE (K1H2T0267) 390339.79N/0883209.98W (7.90) 643 TREE (K1H2T0265) 390339.69N/0883207.66W (4.60) 647 TREE (K1H2T0270) 390339.36N/0883212.93W (4.22) 641 TREE (K1H2T0261) 390340.22N/0883211.54W (3.26) 638 TREE (K1H2T0262) 390339.48N/0883204.65W (0.10) 20:1 RWY 19, 624 TREE (K1H2T0368) 390436.20N/0883159.18W (12.39) 626 TREE (K1H2T0374) 390437.29N/0883157.79W (8.20) 613 TREE (K1H2T0363) 390434.99N/0883157.35W (6.51) 628 TREE (K1H2T0375) 390438.58N/0883200.82W (5.30) 616 TREE (K1H2T0366) 390435.83N/0883156.53W (4.87) 622 TREE (K1H2T0373) 390437.60N/0883200.92W (4.26) 598 TREE (K1H2T0350) 390432.96N/0883158.79W (2.43) 593 TREE (K1H2T0340) 390432.15N/0883200.40W (2.33) 595 RD (N) (K1H2T0346) 390432.92N/0883201.85W (1.21)			
		MIDFIELD											
		ROLL OUT											
8. GLIDE PATH		GP ANGLE: 3.00				ELEV RWY THRESHOLD:585.2				ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS: 20:1 RWY 01, 655 TREE (K1H2T0264) 390340.33N/0883213.33W (16.88) 647 TREE (K1H2T0267) 390339.79N/0883209.98W (7.90) 643 TREE (K1H2T0265) 390339.69N/0883207.66W (4.60) 647 TREE (K1H2T0270) 390339.36N/0883212.93W (4.22) 641 TREE (K1H2T0261) 390340.22N/0883211.54W (3.26) 638 TREE (K1H2T0262) 390339.48N/0883204.65W (0.10) 20:1 RWY 19, 624 TREE (K1H2T0368) 390436.20N/0883159.18W (12.39) 626 TREE (K1H2T0374) 390437.29N/0883157.79W (8.20) 613 TREE (K1H2T0363) 390434.99N/0883157.35W (6.51) 628 TREE (K1H2T0375) 390438.58N/0883200.82W (5.30) 616 TREE (K1H2T0366) 390435.83N/0883156.53W (4.87) 622 TREE (K1H2T0373) 390437.60N/0883200.92W (4.26) 598 TREE (K1H2T0350) 390432.96N/0883158.79W (2.43) 593 TREE (K1H2T0340) 390432.15N/0883200.40W (2.33) 595 RD (N) (K1H2T0346) 390432.92N/0883201.85W (1.21)			
		DISTANCE FROM RWY:				ELEV GP ANTENNA:							
						THRESHOLD CROSSING HEIGHT:45.0							
9. FINAL APPROACH COURSE AIMING				X		RUNWAY THRESHOLD				FT. FROM THRESHOLD			
				X		ON CENTERLINE				FT. FROM CENTERLINE			
10. WAIVERS: NONE													
PART D - PREPARED BY: DEANNA M. FIELDS								DATE: 03/14/2016					
TITLE: AERONAUTICAL INFORMATION SPECIALIST								OFFICE: AJV-5421					

QUALITY
25
CHECKED