

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CLANG (IAF)	LLARY (FB)	228.76 / 11.86	5000
LLARY (IAF)	BBIRD (FB)	229.70 / 3.14	4000
BBIRD (IF)	PACRR (FB)	229.66 / 4.40	2600
PACRR (FAF)	RW23L (MAP) (FO)	229.62 / 5.51	
RW23L (MAP)	1500 MSL	229.62	1500
1500 MSL	OZMOE (FO)		3000

LPV: DA
LNAV/VNAV: DA
LNAV: RW23L

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT OZMOE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 319.69 INBOUND.
CHART FAS OBST: 901 TOWER 394345N/0861622W
CHART: 949 TOWER 394703N/0861108W
DISTANCE TO THLD FROM 200 HAT: 0.46 NM.
CHART VDP AT 0.95 NM TO RW23L*
*LNAV ONLY.
WAAS CHANNEL # 86406
REFERENCE PATH ID: W23A
CHART CIRCLING ICON.
LTP HAE: 206.9 M

MAG VAR: 5W EPOCH YEAR: 2015

- PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
- PROFILE STARTS AT LLARY
- FAC: 229.62 FAF: PACRR DIST FAF TO MAP: 5.51 THLD: 5.51
- MIN. ALT: LLARY 5000, BBIRD 4000, PACRR 2600
- DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
- MIN GS INCPT: 2600 GS ALT AT: PACRR 2600 OM: _____ MM: _____ IM: _____
- GS ANGLE: 3.00 TCH: 56.8 34:1 IS CLEAR
- MSA FROM: RW23L 3100

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	990	2400	200	990	2400	200	990	2400	200	990	2400	200			
LNAV/VNAV DA	1078	2400	288	1078	2400	288	1078	2400	288	1078	2400	288			
LNAV MDA	1160	2400	370	1160	2400	370	1160	3500	370	1160	3500	370			
CIRCLING	1420	1	624	1420	1	624	1420	1 3/4	624	1560	2 1/2	764			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ CAT D 800-2 1/2
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.
(CONTINUED ON PAGE 2)



CITY AND STATE INDIANAPOLIS, IN	ELEVATION: 796 TDZE: 790 AIRPORT NAME: INDIANAPOLIS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 23L, AMDT 4 10 NOVEMBER 2016	SUP: AMDT: 3 DATED 04/30/2015
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CLANG ON V14-192-210 NORTHEAST BOUND.
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500; INCREASE LNAV CATS C/D VISIBILITY TO RVR 5500.
 CHART SPEED ICON IN PLANVIEW AT LLARY: MAX 210 KIAS.



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					AMDT: 3
					DATED: 04/30/2015

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIND
RUNWAY	RW23L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	394311.2875N
LTP/FTP LONGITUDE	0861646.1245W
LTP/FTP ELLIPSOIDAL HEIGHT	+02069
FPAP LATITUDE	394200.8730N
FPAP LONGITUDE	0861815.9060W
THRESHOLD CROSSING HEIGHT (TCH)	00056.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 45D8EA86

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02401
FPAP ORTHOMETRIC HEIGHT	+02401



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	AIRPORT NAME: INDIANAPOLIS INTL			AMDT: 3
				DATED: 04/30/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33

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ARINC SUMMARY - KIND

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
CLANG	010	CLANG	IF	FB										E A
CLANG	020	LLARY	TF	FB	1.0	228.8						AA 05000	AB 210	E
CLANG	030	BBIRD	TF	FB	1.0	229.7						AA 04000		EE B
LLARY	010	LLARY	IF	FB									AB 210	E A
LLARY	020	BBIRD	TF	FB	1.0	229.7						AA 04000		EE B
	010	BBIRD	IF	FB								AA 04000		E I
	020	PACRR	TF	FB	1.0	229.7				RW23L		AA 02600		E F
	030	RW23L	TF	FO	0.3	229.6		3.00				AT 00844		GY M
	040		CA	FB		229.6						AA 01500		M
	050	OZMOE	DF	FO							L	AA 03000		EY
	060	OZMOE	HM	FO		319.7					R	AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CLANG	N400103.81	W0855413.18
OZMOE	N393409.13	W0860420.96
BBIRD	N395015.00	W0860744.28
LLARY	N395229.06	W0860452.26
PACRR	N394707.01	W0861145.01

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW23L	N394311.29	W0861646.12	00788	56.8

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	AIRPORT NAME: INDIANAPOLIS INTL		10 NOVEMBER 2016	AMDT: 3
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