

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

Bearings, headings, courses, tracks 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 feet RVR.

AIRPORT ID BMI	PROCEDURE NAME ILS OR LOC RWY 20 ILS RWY 20 (CAT II)	ORIGINAL/AMENDMENT 4	CITY BLOOMINGTON/NORMAL	STATE IL
AIRPORT ELEVATION 871	TDZE 871	SUPERSEDED ILS OR LOC RWY 20 ILS RWY 20 (CAT II)	ORIGINAL/AMENDMENT 3C	DATED 12/29/2022
FACILITY I-LHJ	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	MAG VAR 3W
				EPOCH YEAR 2015

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MCLEN INT		EGROW LOM/I-LHJ 4.62 DME					055.44	15.21	2500
OLIDE/I-LHJ 10.86 DME/RADAR	IF	EGROW LOM/I-LHJ 4.62 DME	NOPT				200.91	6.24	2500

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.76 NM AFTER EGROW LOM/I-LHJ 4.62 DME OR AT I-LHJ 0.16 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 279 AND SPI VORTAC R-037 TO MCLEN INT/PIA 34.19 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT EGROW LOM/I-LHJ 4.62 AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

PROFILE:

- PT L SIDE OF COURSE 020.91 OUTBOUND 2500 FT WITHIN 10 MILES OF EGROW LOM/I-LHJ 4.62 DME (IAF)
-
- FAC: 200.91 FAF: EGROW LOM/I-LHJ 4.62 DME DIST FAF TO MAP: 4.76 DIST FAF TO THLD: 4.76
- MIN ALT: EGROW LOM/I-LHJ 4.62 DME 2500
- DIST TO THLD FROM OM: 4.76 MM: IM: 1126 100 HAT: 961 150 HAT: GS ANT: 1048
- MIN GS INCPT: 2500 GS ALT AT PFAF: OM: 2437 MM: IM: 980
- GS ANGLE: 3.00 34:1: 20:1: TCH: 58.1
- MSA FROM: EGROW LOM 2800



EQUIPMENT REQUIREMENTS NOTES:

ADF OR DME OR RADAR REQUIRED FOR LOC ONLY.
RADAR REQUIRED FOR PROCEDURE ENTRY AT OLIDE.

NOTES:

CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 20: CAT A, B, C, D, RA 122, RVR 1200, HAT 100, DA 971 MSL
 CHART NOTE: VDP NA WHEN USING PIA ALTIMETER SETTING.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MCLEN INT ON V9-69 SOUTHWEST BOUND.
 CAT II CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PIA ALTIMETER SETTING: INCREASE S-ILS 20 DA TO 1187 FEET AND ALL VISIBILITIES TO RVR 2400; INCREASE ALL MDAS 120 FEET AND S-LOC 20 VISIBILITY CATS C AND D TO RVR 5500 AND CIRCLING VISIBILITY CATS C AND D 1/4 SM.
 CHART NOTE: FOR INOPERATIVE ALS WHEN USING PIA ALTIMETER SETTING, INCREASE S-ILS 20 ALL CATS VISIBILITY TO RVR 4500 AND S-LOC 20 CATS C AND D VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 294.60 INBOUND.
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N EGROW LOM/I-LHJ 4.62 DME, RT, 200.91 INBOUND.
 FAS OBST: 1009 AAO 403215N/0885301W.
 CHART VDP AT 0.88 DME.
 DISTANCE VDP TO THLD 1.02 NM.
 CHART IN PLANVIEW: EGROW LOM/I-LHJ 4.62 DME.
 CHART CIRCLING ICON.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

<u>CATEGORY:</u>	A			B			C			D			E			
	<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 20	1071	1800	200	1071	1800	200	1071	1800	200	1071	1800	200				
S-LOC 20	1260	2400	389	1260	2400	389	1260	3500	389	1260	3500	389				
CIRCLING	1340	1	469	1340	1	469	1620	2 1/4	749	1620	2 1/2	749				



CHANGES - REASONS

1. TERMINAL ROUTES: UPDATED FEEDER SEGMENT FROM "MCLN INT/PNT 31.04 DME TO EGROW LOM/I-LHJ 4.62 DME" TO "MCLN INT TO EGROW LOM/I-LHJ 4.62 DME", COURSE/DISTANCE FROM "055.36/15.21" TO "055.44/15.21" - PNT VOR/DME DEPENDENCIES REMOVED DUE TO PNT VORMON.
2. TERMINAL ROUTES: REMOVED INITIAL SEGMENT FROM PNT VOR/DME - SEGMENT REMOVED DUE TO PNT VORMON.
3. TERMINAL ROUTES: UPDATED INTERMEDIATE SEGMENT FROM "OLIDE INT/I-LHJ 10.86 DME TO EGROW LOM/I-LHJ 4.62 DME" TO "OLIDE/I-LHJ 10.86 DME/RADAR TO EGROW LOM/I-LHJ 4.62 DME" - RBS VOR/DME AND PNT VOR/DME DEPENDENCIES REMOVED DUE TO VORMON AND OLIDE REDESIGNATED AS A RADAR FIX PER FPT REQUEST.
4. MISSED APPROACH POINT: UPDATED LOC FROM "4.76 NM AFTER EGROW LOM" TO "4.76 NM AFTER EGROW LOM/I-LHJ 4.62 DME OR AT I-LHJ 0.16 DME" - IAW 8260.19J PARA 8-6-6(C).
5. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 270 AND ON PNT VOR/DME R-214 TO MCLN INT/PNT 31.04 DME AND HOLD" TO "CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 279 AND SPI VORTAC R-037 TO MCLN INT/PIA 34.19 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000" - PROCEDURE REDESIGN AND PNT VOR/DME DEPENDENCIES REMOVED DUE TO PNT VORMON AND CLIMB-IN-HOLD NOW REQUIRED.
6. PROFILE LINE 1: UPDATED EGROW FROM "EGROW LOM" TO "EGROW LOM/I-LHJ 4.62 DME" - UPDATED FIX MAKE-UP/AIRNAV DATA.
7. PROFILE LINE 3: UPDATED FAF FROM "EGROW LOM" TO "EGROW LOM/I-LHJ 4.62 DME" - UPDATED FIX MAKE-UP/AIRNAV DATA.
8. PROFILE LINE 5: UPDATED IM FROM "1116" TO "1126", 100 HAT FROM "945" TO "961" AND DELETED DUPLICATE 100 HAT ENTRY - NEW AIRNAV DATA.
9. PROFILE LINE 6: REMOVED "GP INTCP 2500" FROM GS ALT AT PFAF AND UPDATED OM FROM "2459" TO "2437" - IAW 8260.19J PARA 8-6-7 F AND FAF MOVED TO MAINTAIN 3.00 GPA.
10. PROFILE LINE 8: MSA UPDATED FROM "LH LOM 2800" TO "EGROW LOM 2800" - UPDATED FIX MAKE-UP/AIRNAV DATA.
11. EQUIPMENT REQUIREMENTS NOTES: ADDED "ADF OR DME OR RADAR REQUIRED FOR LOC ONLY" AND RADAR REQUIRED FOR PROCEDURE ENTRY AT OLIDE" - RBS VOR/DME AND PNT VOR/DME DEPENDENCIES REMOVED/PROCEDURE REDESIGN DUE TO PNT VORMON AND IAW 8260.19J PARAS 8-6-9 A AND 8-6-10 G.
12. MOVED VDP NA NOTE FROM 8260-9 AND UPDATED FROM "NOTE: VDP NA WHEN USING GENERAL DOWNING-PEORIA INTL ALTIMETER SETTING" TO "CHART NOTE: VDP NA WHEN USING PIA ALTIMETER SETTING" - UPDATED AND MOVED TO PROCEDURE NOTES SECTION PER FPT REQUEST AND VERBIAGE CORRECTED IAW 8260.19J PARA 8-6-10 E(9).
13. MOVED PRIMARY ALTIMETER INOPERATIVE NOTE FROM 8260-9 TO PROCEDURES NOTE SECTION AND UPDATED FROM "NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GENERAL DOWNING-PEORIA INTL ALTIMETER SETTING, INCREASE ALL DA 116 FT AND ALL MDA 120 FT; INCREASE S-ILS ALL CATS VISIBILITY TO RVR 2400, S-LOC CAT C AND D VISIBILITY TO RVR 5500, AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PIA ALTIMETER SETTING: INCREASE S-ILS 20 DA TO 1187 FEET AND ALL VISIBILITIES TO RVR 2400; INCREASE ALL MDAS 120 FEET AND S-LOC 20 VISIBILITY CATS C AND D TO RVR 5500 AND CIRCLING VISIBILITY CATS C AND D 1/4 SM" - UPDATED AND MOVED TO PROCEDURE NOTES SECTION PER FPT REQUEST AND VERBIAGE CORRECTED IAW 8260.19J PARA 8-6-10 F(4).
14. MOVED INOPERATIVE ALS WHEN USING BACKUP ALTIMETER NOTE FROM 8260-9 AND UPDATED FROM "NOTE: FOR INOPERATIVE ALSF-2 WHEN USING GENERAL DOWNING-PEORIA INTL ALTIMETER SETTING INCREASE ILS ALL CATS VISIBILITY TO RVR 5000" TO "CHART NOTE: FOR INOPERATIVE ALS WHEN USING PIA ALTIMETER SETTING, INCREASE S-ILS 20 ALL CATS VISIBILITY TO RVR 4500 AND S-LOC 20 CATS C AND D VISIBILITY TO 1 3/8 SM" - UPDATED AND MOVED TO PROCEDURE NOTES SECTION PER FPT REQUEST AND VERBIAGE CORRECTED IAW 8260.19J PARA 8-6-10 F(4).
15. ADDED CHART PLANVIEW NOTE: "PROCEDURE NA FOR ARRIVALS AT MCLN INT ON V9-69 SOUTHWEST BOUND" - IAW 8260.19J PARA 8-2-5 E(2).
16. ADDITIONAL FLIGHT DATA: UPDATED PRIMARY MISSED HOLDING FROM "HOLD SW, RT, 033.67 INBOUND" TO "HOLD SE, RT, 294.60 INBOUND" - PROCEDURE REDESIGN DUE TO PNT VORMON.
17. ADDITIONAL FLIGHT DATA: UPDATED FAS OBST FROM "CHART FAS OBST: 996 ELEV 403011N/0885403W" TO "FAS OBST: 1009 AAO 403215N/0885301W" - NEW CONTROLLING OBSTACLE.

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: ZAU, PIA APP CON, BMI ATCT, AFLD MGR

FLIGHT CHECKED BY

MICHAEL A GREENWOOD

CASIMIR L TABAKA

Oct 31, 2024

OFFICE

FPO

DATE

09/06/2024

DEVELOPED BY

ROBERT G HAMILTON (JILL M. SUPPES)

Digitally signed by

CASIMIR L TABAKA

Oct 31, 2024

OFFICE

AJV-A433

DATE

07/01/2024

APPROVED BY

ROBERT G HAMILTON

Digitally signed by

CASIMIR L TABAKA

Oct 31, 2024

OFFICE

AJV-A433

DATE

**TITLE
MANAGER**



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> BMI	<u>PROCEDURE NAME</u> ILS OR LOC RWY 20 ILS RWY 20 (CAT II)	<u>AMDT NO.</u> 4	<u>CITY</u> BLOOMINGTON/NORMAL	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 871	<u>FACILITY</u> I-LHJ
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

<u>FROM</u> MCLEN INT	<u>TO</u> EGROW LOM/I-LHJ 4.62 DME
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<u>RNP</u>	<u>DISTANCE</u> 15.21	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
WINDMILL (17-087687)	403046.32N/0890258.24W	1303	250	50	4D	1000				AT197	2500
TERRAIN	402657.00N/0885942.00W	898 (900)								AS1500	2400

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INTERMEDIATE

<u>FROM</u> OLIDE/I-LHJ 10.86 DME/RADAR	<u>TO</u> EGROW LOM/I-LHJ 4.62 DME
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<u>RNP</u>	<u>DISTANCE</u> 6.24	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
WINDMILL (17-075819)	403927.42N/0884945.76W	1261	250	50	4D	500				AT739	2500
TERRAIN	403354.00N/0885127.00W	803 (800)								AS1500	2300

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



AIRPORT ID
BMI

PROCEDURE NAME
ILS OR LOC RWY 20
ILS RWY 20 (CAT II)

AMDT NO.
4

CITY
BLOOMINGTON/NORMAL

STATE
IL

AIRPORT ELEVATION
871

FACILITY
I-LHJ

INTERMEDIATE: PT

FROM
10 NM

TO
EGROW LOM/I-LHJ 4.62 DME

RNP

DISTANCE
10.00

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
WINDMILL (17-075551)	404135.89N/0884348.61W	1264	250	50	4D	500				AT736	2500
TERRAIN	403354.00N/0885127.00W	803 (800)								AS1500	2300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS

FROM
GP INTCP

TO
RW20

RNP

DISTANCE
4.76

PAT

MAP
DA

HAT
200

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				1071

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
BMI

PROCEDURE NAME
ILS OR LOC RWY 20
ILS RWY 20 (CAT II)

AMDT NO.
4

CITY
BLOOMINGTON/NORMAL

STATE
IL

AIRPORT ELEVATION
871

FACILITY
I-LHJ

FINAL: LOC

FROM
EGROW LOM/I-LHJ 4.62 DME

TO
4.76 NM AFTER EGROW LOM/I-LHJ 4.62 DME OR AT I-LHJ 0.16 DME

RNP

DISTANCE
4.76

PAT

MAP
4.76 NM AFTER EGROW
LOM/I-LHJ 4.62 DME OR AT
I-LHJ 0.16 DME

HAT
389

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	403215.17N/0885300.83W	1009	50	20	2C	250					1260

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS CAT II

FROM
GP INTCP

TO
RW20

RNP

DISTANCE
4.76

PAT

MAP
DA

HAT
100

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				971

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID
BMI

PROCEDURE NAME
ILS OR LOC RWY 20
ILS RWY 20 (CAT II)

AMDT NO.
4

CITY
BLOOMINGTON/NORMAL

STATE
IL

AIRPORT ELEVATION
871

FACILITY
I-LHJ

MISSED APPROACH: LOC

FROM
4.76 NM AFTER EGROW LOM/I-LHJ 4.62 DME OR AT I-LHJ 0.16 DME

TO
MCLLEN INT

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1010

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
WINDMILL (17-087687)	403046.32N/0890258.24W	1303	250	50	4D	1000					2400
TERRAIN	402527.00N/0885521.00W	908 (900)								AS1500	2400

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

MISSED APPROACH: ILS CAT II

FROM
DA

TO
MCLLEN INT

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
860

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
WINDMILL (17-087687)	403046.32N/0890258.24W	1303	250	50	4D	1000					2400
TERRAIN	402527.00N/0885521.00W	908 (900)								AS1500	2400

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



AIRPORT ID
BMI

PROCEDURE NAME
ILS OR LOC RWY 20
ILS RWY 20 (CAT II)

AMDT NO.
4

CITY
BLOOMINGTON/NORMAL

STATE
IL

AIRPORT ELEVATION
871

FACILITY
I-LHJ

MISSED APPROACH ALTERNATE: ILS

FROM
DA

TO
EGROW LOM/I-LHJ 4.62 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
898

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (17-001840)	402503.56N/0885423.44W	1301	50	20	2C	1000					2400
TERRAIN	402436.00N/0884851.00W	931 (900)								AS1500	2400

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: LOC

FROM
4.76 NM AFTER EGROW LOM/I-LHJ 4.62 DME OR AT I-LHJ 0.16 DME

TO
EGROW LOM/I-LHJ 4.62 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
1010

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (17-001840)	402503.56N/0885423.44W	1301	50	20	2C	1000					2400
TERRAIN	402436.00N/0884851.00W	931 (900)								AS1500	2400

COMPUTATIONS

ALT **KIAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:



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PROCEDURE NAME
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AMDT NO.
4

CITY
BLOOMINGTON/NORMAL

STATE
IL

AIRPORT ELEVATION
871

FACILITY
I-LHJ

MISSED APPROACH ALTERNATE: ILS CAT II

FROM
DA

TO
EGROW LOM/I-LHJ 4.62 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
860

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (17-001840)	402503.56N/0885423.44W	1301	50	20	2C	1000					2400
TERRAIN	402436.00N/0884851.00W	931 (900)								AS1500	2400

COMPUTATIONS

ALT **KLAS** **KTAS** **HAA** **VKTW** **TR** **BA** **DTA** **COURSE CHANGE** **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE**

SEGMENT REMARKS:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
BUILDING (17-001155)	402837.91N/0885715.75W	1.30	469	1035	20	20	1C	300			1340
CATEGORY B											
BUILDING (17-001155)	402837.91N/0885715.75W	1.84	469	1035	20	20	1C	300			1340
CATEGORY C											
TOWER (17-001840)	402503.56N/0885423.44W	2.89	749	1301	50	20	2C	300			1620
CATEGORY D											
TOWER (17-001840)	402503.56N/0885423.44W	3.77	749	1301	50	20	2C	300			1620

CIRCLING REMARKS:

MSA

CENTER **RADIUS**
EGROW LOM 25



SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (17-001398)	403841.00N/0891047.00W	293	14.8	1787	500	50	5D	1000			2800

MSA REMARKS:

AIRPORT ID
BMI

PROCEDURE NAME
ILS OR LOC RWY 20
ILS RWY 20 (CAT II)

AMDT NO.
4

CITY
BLOOMINGTON/NORMAL

STATE
IL

AIRPORT ELEVATION
871

FACILITY
I-LHJ

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAU ARTCC, PIA APP CON, BMI TOWER

<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS-3PT	BMI	24	BMI	0	Y	0

<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	PIA	24	PIA	37.19	Y	116

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KBMI 871, KPIA 661
RA = 115.3.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
I-LHJ	BMI ATCT	TOWER OPEN	1
		TOWER CLOSED	3

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW02 - MALSR (PCL), C/LINE (PCL), HIRL (PCL), PAPI-4R (PCL)	PIR-F	APPROACH, MIDPOINT, ROLL OUT
RW20 - ALSF-2, HIRL (PCL), TDZ (PCL), C/LINE (PCL)	PIR-F	APPROACH, MIDPOINT, ROLL OUT
RW11 - HIRL (PCL), VASI-4R	PIR-G	ROLL OUT
RW29 - MALSR (PCL), HIRL (PCL)	PIR-G	APPROACH

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
3.00	862.5	58.1	857.6	1048		

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS



AIRPORT ID
BMI

PROCEDURE NAME
ILS OR LOC RWY 20
ILS RWY 20 (CAT II)

AMDT NO.
4

CITY
BLOOMINGTON/NORMAL

STATE
IL

AIRPORT ELEVATION
871

FACILITY
I-LHJ

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAXIMUM VEGETATION HEIGHT: 100 FEET.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.08
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.88
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	197.91
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	4.65
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.22
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	197.91
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN)	402905.80N/0885425.86W
ARP COORDINATES	402837.60N/0885457.30W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 11 DISTANCE 0.83 NM
FAF COORDINATES	403337.74N/0885230.62W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME
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OFFICE
AJV-A433

DATE
07/01/2024

TITLE
AERONAUTICAL INFORMATION SPECIALIST

