

**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.

<u>AIRPORT ID</u> SDF	<u>PROCEDURE NAME</u> ILS OR LOC RWY 35R ILS RWY 35R (SA CAT I) ILS RWY 35R (CAT II) ILS RWY 35R (CAT III)	<u>ORIGINAL/AMENDMENT</u> 6	<u>CITY</u> LOUISVILLE	<u>STATE</u> KY		
<u>AIRPORT ELEVATION</u> 501	<u>TDZE</u> 479	<u>SUPERSEDED</u> ILS OR LOC RWY 35R ILS RWY 35R (SA CAT I) ILS RWY 35R (CAT II) ILS RWY 35R (CAT III)	<u>ORIGINAL/AMENDMENT</u> 5	<u>DATED</u> 08/15/2019	<u>MAG VAR</u> 5W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-JJM	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
MEEKO/I-JJM 21.63 DME/RADAR	IAF	OHNNA/I-JJM 17.12 DME/RADAR					349.92	4.51 (I-JJM)	5000
OHNNA/I-JJM 17.12 DME/RADAR		PGSUS/I-JJM 13.39 DME/RADAR					349.92	3.73 (I-JJM)	4000
TUSCR	IF	JEGOX		TF	FB	1.00	136.97	6.43	4300
JEGOX		WOGNI		TF	FB	1.00	119.85	2.60	3700
WOGNI		GOKVE		TF	FB	1.00	059.96	3.24	2900
GOKVE		STERA/I-JJM 8.40 DME/RADAR		TF	FB	1.00	002.33	1.82	2500
MLLEY	IF	IVOBY		TF	FB	1.00	198.09	5.02	4000
IVOBY		ZOSNU		TF	FB	1.00	240.67	2.39	3500
ZOSNU		ENUCU		TF	FB	1.00	279.44	2.51	2800
ENUCU		STERA/I-JJM 8.40 DME/RADAR		TF	FB	1.00	324.40	1.55	2500
PGSUS/I-JJM 13.39 DME/RADAR	IF	UPSCO INT/I-JJM 9.90 DME/RADAR					349.92	3.49 (I-JJM)	3000
UPSCO INT/I-JJM 9.90 DME/RADAR		STERA/I-JJM 8.40 DME/RADAR					349.92	1.49 (I-JJM)	2500
STERA/I-JJM 8.40 DME/RADAR		PARCL/I-JJM 7.30 DME/RADAR					349.92	1.10 (I-JJM)	2400

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.87 NM AFTER PARCL/I-JJM 7.30 DME/RADAR OR AT I-JJM 1.43 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 349.92 AND ON IIU VORTAC R-332 TO HEALS/28.34 DME/RADAR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
20
CHECKED

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)						
2.	PROFILE STARTS AT STERA/I-JJM 8.40 DME/RADAR											
3.	FAC:	349.92	FAF:	PARCL/I-JJM 7.30 DME/RADAR	DIST FAF TO MAP:	5.87	DIST FAF TO THLD:	5.87				
4.	MIN ALT:	STERA/I-JJM 8.40 DME/RADAR 2500, PARCL/I-JJM 7.30 DME/RADAR 2400, HOSTO/I-JJM 4.03 DME/RADAR 1360										
5.	DIST TO THLD FROM OM:		MM:	IM:	570.00	100 HAT:	764.00	150 HAT:	1718	GS ANT:	1101	
6.	MIN GS INCPT:	2400	GS ALT AT PFAF:	PARCL/I-JJM 7.30 DME/RADAR 2400		OM:		MM:		IM:	609	
7.	GS ANGLE:	3.00	34:1:	20:1:	TCH:	60.4						
8.	MSA FROM:	IIU VORTAC 3600										

PBN REQUIREMENTS NOTE:

RNP APCH-GPS. FROM TUSCR OR MLLEY.
DME OR RADAR REQUIRED FOR LOC ONLY.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 35R: CAT A, B, C, D, RA 162, RVR 1400, HAT 150, DA 629 MSL
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 35R: CAT A, B, C, D, RA 100, RVR 1200, HAT 100, DA 579 MSL
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 35R: CAT A, B, C, D, RVR 600
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
CHART NOTE: CIRCLING RWY 11 NA AT NIGHT.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LOC CAT C/D TO 5000 RVR.
CHART SPEED ICON IN PLANVIEW AT TUSCR: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT JEGOX: MAX 185 KIAS.
CHART SPEED ICON IN PLANVIEW AT GOKVE: MAX 180 KIAS.
CHART SPEED ICON IN PLANVIEW AT MLLEY: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT IVOBY: MAX 200 KIAS.
CHART SPEED ICON IN PLANVIEW AT ENUCU: MAX 180 KIAS.
CHART SPEED ICON IN PLANVIEW AT UPSCO: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 332.00 INBOUND.
CHART FAS OBST: 586 LANDFILL (21-066527) 380840N/0854310W.
CHART 609 TOWER (21-022400) 380722N/0854250W.
CHART R-3704 A & B.
CHART VDP AT 2.36 DME.
DISTANCE VDP TO THLD 0.93 NM.
CHART MANDATORY 6000 AT MEEKO.
CHART MANDATORY 6000 AT TUSCR.
CHART MANDATORY 6000 AT MLLEY.
CHART MANDATORY 2500 AT STERA.
CHART CIRCLING ICON.



MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD - CAT D 900-3

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 35R	679	1800	200	679	1800	200	679	1800	200	679	1800	200			
S-LOC 35R	840	2400	361	840	2400	361	840	3500	361	840	3500	361			
CIRCLING	1040	1	539	1140	1	639	1160	1 3/4	659	1400	3	899			

CHANGES - REASONS

1. SEGMENT FROM BRBON - PGSUS REMOVED - ATC REQUEST.
2. CAPTURE FIX STERA 2500 ADDED BETWEEN UPSCO AND PARCL - TO SUPPORT PBN SEGMENTS, REQUIRED PER 8260.58C.
3. PBN SEGMENTS FROM TUSCR - JEGOX - WOGNI - GOKVE - STERA ADDED - ATC REQUEST.
4. PBN SEGMENTS MLLEY - IVOBY - ZOSNU - ENUCU - STERA ADDED - ATC REQUEST.
5. MISSED APPROACH INTRUCTION CHANGED FROM "CLIMB TO 1600 THEN CLIMBING RIGHT TURN TO 4000 DIRECT TORAC AND HOLD" TO READ "CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 349.92 AND ON IIU VORTAC R-332 TO HEALS/28.34 DME/RADAR AND HOLD" - ATC REQUEST.
6. TDZE CHANGED FROM 480 TO 479 - PER LATEST DATA.
7. S-ILS 35R DA CHANGED FROM 680 TO 679 - PER TDZE CHANGE.
8. S-LOC 35R MDA CHANGED FROM 820/HAT 340 TO 840/HAT 361, CAT C/D VIS CHANGED FROM 2600 TO 3500 - REVISED OBSTACLE DATA, PER LATEST VIS TABLES.
9. FINAL STEPDOWN FIX HOSTO LOWERED FROM 1380 TO 1360, MOVED FROM 4.13 DME TO 4.03 DME - REVISED OBSTACLE DATA, TO MATCH RNAV.
10. VDP CHANGED FROM 2.30 DME TO 2.36 DME - PER LATEST EVALUATION.
11. REMOVED *LOC ONLY AND * FROM VDP AND STEPDOWN ALTITUDE IN PROFILE VIEW - NO LONGER REQUIRED.
12. REMOVED ARRIVAL HOLDING NOTE FOR BRBON - SEGMENT REMOVED.
13. ADDED INOP ALS NOTE - PER LATEST EVAL.
14. ADDED NOTE RNP APCH-GPS. FROM TUSCR OR MLLEY AND REMOVED RNAV 1-GPS REQUIRED - PER 8260.58, TO SUPPORT PBN SEGMENTS.
15. ADDED NOTE SEE PLANVIEW FOR MULTIPLE IF LOCATIONS - PER 8260.19I.
16. SA CAT I CHART NOTE: REMOVED "AND USE OF HUD TO DH." - REASON
17. PROFILE LINE 2: CHANGED FROM PROFILE STARTS AT PGSUS TO PROFILE STARTS AT STERA/I-JJM 8.40 DME/RADAR - PER PROCEDURE DESIGN CHANGES.
18. PROFILE LINE 3 : FAC CHANGED FROM 349.91 TO 349.92 - PER UPDATED FACILITY ALIGNMENT DATA.
19. SA CAT I CHART NOTE: REMOVED "AND USE OF HUD TO DH." - PER 8260.19I.
20. ADDED CHART SPEED ICON IN PLANVIEW NOTES - ATC REQUEST/PER 8260.19I.
21. DISTANCE VDP TO THLD CHANGED FROM 0.87 TO 0.93 NM - UPDATED CALCULATION.
22. ADDITIONAL FLIGHT DATA: FAS OBST CHANGED FROM 560 TREE 380941N/0854311W TO 586 LANDFILL (21-066527) 380840N/0854310W - PER LATEST EVAL.
23. ADDITIONAL FLIGHT DATA: ADDED CHART MANDATORY ALTITUDES AT MEEKO, TUSCR, MLLEY AND STERA - ATC REQUEST.

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

<u>AIRPORT ID</u> SDF	<u>PROCEDURE NAME</u> ILS OR LOC RWY 35R ILS RWY 35R (SA CAT I) ILS RWY 35R (CAT II) ILS RWY 35R (CAT III)	<u>AMDT NO.</u> 6	<u>CITY</u> LOUISVILLE	<u>STATE</u> KY	<u>AIRPORT ELEVATION</u> 501	<u>FACILITY</u> I-JJM
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM

MEEKO/I-JJM 21.63 DME/RADAR

TO

OHNNA/I-JJM 17.12 DME/RADAR

RNP

DISTANCE
4.51

PAT

MAP

HAT

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	375142.00N/0853236.00W	1181	215	8	4B	1000				AT2819	5000
TERRAIN	375142.00N/0853236.00W	980 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL: STEPDOWN

FROM

OHNNA/I-JJM 17.12 DME/RADAR

TO

PGSUS/I-JJM 13.39 DME/RADAR

RNP

DISTANCE
3.73

PAT

MAP

HAT

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>
TOWER (21-000517)	375642.00N/0853528.00W	1248	500	50	5D	1000				AT1752	4000
TERRAIN	375627.00N/0853536.00W	948 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM

TUSCR

TO

JEGOX

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	6.43										
<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>
TOWER (21-000870)	380158.03N/0854516.83W	1304	20	10	1B	500				AT2496	4300
TERRAIN	380121.00N/0854648.00W	866 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

JEGOX

TO

WOGNI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	2.60										
<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>
TOWER (21-000870)	380158.03N/0854516.83W	1304	20	10	1B	500				AT1896	3700
TERRAIN	380121.00N/0854630.00W	882 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

WOGNI

TO

GOKVE

RNP	DISTANCE	PAT	MAP		HAT		HMAS				
1.00	3.24										
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (21-000870)	380158.03N/0854516.83W	1304	20	10	1B	500				AT1096	2900
TERRAIN	380130.00N/0854427.00W	826 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

GOKVE

TO

STERA/I-JJM 8.40 DME/RADAR

RNP	DISTANCE	PAT	MAP		HAT		HMAS				
1.00	1.82										
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (21-000420)	380349.32N/0854351.61W	1254	20	10	1B	500				AT746	2500
TERRAIN	380254.00N/0854333.00W	803 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

MLLEY

TO

IVOBY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	5.02										
<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>
TOWER (21-020059)	380615.81N/0853401.36W	1012	20	10	1B	500				AT2488	4000
TERRAIN	380618.00N/0852421.00W	725 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

IVOBY

TO

ZOSNU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	2.39										
<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	380300.00N/0853254.00W	922	215	8	4B	500				AT2078	3500
TERRAIN	380239.00N/0853330.00W	702 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

ZOSNU

TO

ENUCU

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	2.51										
<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	380003.00N/0853548.00W	899	215	8	4B	500				AT1401	2800
TERRAIN	380124.00N/0853654.00W	659 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

ENUCU

TO

STERA/I-JJM 8.40 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	1.55										
<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	380245.00N/0854330.00W	985	215	8	4B	500				AT1015	2500
TERRAIN	380157.00N/0854306.00W	698 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

PGSUS/I-JJM 13.39 DME/RADAR

TO

UPSCO INT/I-JJM 9.90 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
	3.49										
<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	375754.00N/0853748.00W	1047	215	8	4B	500				AT1453	3000
TERRAIN	380048.00N/0854203.00W	718 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

UPSCO INT/I-JJM 9.90 DME/RADAR

TO

STERA/I-JJM 8.40 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	1.49										
<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	380103.00N/0854342.00W	978	215	8	4B	500				AT1022	2500
TERRAIN	380157.00N/0854306.00W	689 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

STERA/I-JJM 8.40 DME/RADAR

TO

PARCL/I-JJM 7.30 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	1.10										
<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	380254.00N/0854333.00W	1004	215	8	4B	500				AT896	2400
TERRAIN	380245.00N/0854330.00W	784 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CONTROLLING OBSTACLES AND TERRAIN ARE DIFFERENT FOR INTERMEDIATE SEGMENTS ORIGINATING FROM TUSCR, MLLEY, AND PGSUS. HIGHEST UTILIZED FOR ALTITUDE DETERMINATION.

FINAL: ILS

FROM

PARCL/I-JJM 7.30 DME/RADAR

TO

RW35R

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>			
		5.87		DA			200				
<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				679

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS SA CAT I

FROM

PARCL/I-JJM 7.30 DME/RADAR

TO

RW35R

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>			
		5.87		DA			150				
<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				629

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

PARCL/I-JJM 7.30 DME/RADAR

TO

RW35R

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
		5.87		DA			100					
<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				579

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

PARCL/I-JJM 7.30 DME/RADAR

TO

HOSTO/I-JJM 4.03 DME/RADAR

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
	3.27										
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	380608.85N/0854225.99W	1090	50	20	2C	250				AT20	1360

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC STEPDOWN

FROM

HOSTO/I-JJM 4.03 DME/RADAR

TO

5.87 NM AFTER PARCL/I-JJM 7.30 DME/RADAR OR AT I-JJM 1.43 DME

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
	2.60		5.87 NM AFTER PARCL/I-JJM 7.30 DME/RADAR OR AT I-JJM 1.43 DME		361						
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
LANDFILL (21-066527)	380840.40N/0854310.10W	586	20	3	1A	250					840

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM

DA

TO

HEALS/28.34 DME/RADAR

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
						505					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
TOWER (18-001162)	382130.00N/0855101.00W	1965	100	20	3C	1000					3000
TERRAIN	382524.00N/0854918.00W	1020 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM

5.87 NM AFTER PARCL/I-JJM 7.30 DME/RADAR OR AT I-JJM 1.43 DME

TO

HEALS/28.34 DME/RADAR

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
						570					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				4000
TOWER (18-001162)	382130.00N/0855101.00W	1965	100	20	3C	1000					3000
TERRAIN	382524.00N/0854918.00W	1020 (1000)								AS1500	2500

COMPUTATIONS

ALT

KIAS

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											
CONTROL_TOWER (21-001527)	380932.61N/0854348.30W	1.30	539	740	20	3	1A	300			1040
CATEGORY B											
TREE (21-027815)	380923.15N/0854620.39W	1.82	639	834	20	10	1B	300			1140
CATEGORY C											
TREE (21-022900)	380650.75N/0854344.87W	2.86	659	849	20	3	1A	300			1160
CATEGORY D											
AAO	380615.00N/0854233.00W	3.74	899	1096	215	8	4B	300			1400

CIRCLING REMARKS:

MSA

CENTER

IIU VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (21-001039)	382723.00N/0852528.00W	018	22.4	2549	500	50	5D	1000			3600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

SDF TOWER, SDF APP CON, ZID ARTCC

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> SDF	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> SDF	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 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>

WX REMARKS:

24 HOUR ATC TOWER HAS REDUNDANT WEATHER SOURCES, BACK-UP ALTIMETER NOT REQUIRED.

<u>PRIMARY NAVAID</u> I-JJM	<u>MONITOR POINT</u> ATCT	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW11 - HIRL, PAPI-4L	BSC-G	ROLL OUT
RW17L - MALSR, C/LINE, TDZ, HIRL, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW17R - MALSR, TDZ, HIRL, C/LINE, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW29 - MALSR, HIRL, PAPI-4L	PIR-G	APPROACH
RW35L - ALSF-2, HIRL, TDZ, C/LINE, PAPI-4L	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW35R - ALSF-2, C/LINE, HIRL, TDZ, PAPI-4R	PIR-G	APPROACH, MIDPOINT, ROLL OUT

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 471.4	<u>TCH</u> 60.4	<u>ELEV GS ANTENNA</u> 468.9	<u>DISTANCE FROM RWY</u> 1101	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 72.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	449
ON CENTERLINE	☒	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

FINAL TYPE	CIRCLING RWY 11
20:1	
531 TREE (21-054293) 381054.58N/0854501.97W (11.15)	543 TREE (21-054298) 381053.63N/0854506.31W (8.71)



AIRPORT ID
SDF

PROCEDURE NAME
ILS OR LOC RWY 35R
ILS RWY 35R (SA CAT I)
ILS RWY 35R (CAT II)
ILS RWY 35R (CAT III)

AMDT NO.
6

CITY
LOUISVILLE

STATE
KY

AIRPORT ELEVATION
501

FACILITY
I-JJM

531 TREE (21-022938) 381054.99N/0854502.75W (7.5)	521 TREE (21-054295) 381053.17N/0854502.20W (2.86)
530 TREE (21-054922) 381054.04N/0854504.55W (1.52)	507 TREE (21-035559) 381049.41N/0854501.02W (0.1)
PENETRATIONS REMARKS:	

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.

100 FOOT ASSUMED TREE HEIGHT USED PER FPT.

AHT EVALUATED USING STANDARD TEMPERATURE DEVIATION
AHT=55.00C DELTA ISA=40.00C

APPROVAL LETTER: MANDATORY ALTITUDES AT INTERMEDIATE FIXES MLLEY, TUSCR.

WAIVER: PROCEDURES WITH MULTIPLE INTERMEDIATE FIXES ONLY APPLY TO RNAV (RNP) AR PROCEDURES.
ORDER 8260.3 CHAPTER 2 APPLIED TO 609 TOWER (21-022400) 380722.32N/0854250.11W.

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	4.30
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.15
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	344.92
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	5.87
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.49
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	344.92
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD COORDINATES (IF STR-IN) 380956.69N/0854326.33W

ARP COORDINATES

RUNWAY APCH END AND DIST FURTHEST FROM ARP

FAF COORDINATES 380416.47N/0854130.29W

FIX NAME COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.
THLD DISPLACED 449FT, ACTUAL COORDINATES: 380952.40N/0854324.87W

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
PHILLIP BRANDENBURG	AJV-A423	01/16/2024	AERONAUTICAL INFORMATION SPECIALIST