

RECORD REVISION NUMBER: 46

DATE OF REVISION: 07/09/2026

REASON FOR REVISION:

1. REMOVED 1C5 VOR-A FROM FIX USE.
2. REMOVED MDW RNAV (GPS) RWY 4L FROM PIX USE.
3. REMOVED FIX USE "ILS OR LOC RWY 9" AT AIRPORT ARR.

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

NAME: JACOB CLARK**APPROVED BY:****DATE:** 06/04/2026**OFFICE:** AJV-A432**NAME:** CASIMIR TABAKA**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: VAINS **STATE:** IL **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 414534.81N/0882218.56W **TYPE:** INT, 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	MRA	MAA
1	JOLIET	JOT	VOR/DME	VH	347.38	349.38	13.01	13.01	3000	17500
2	CHICAGO HEIGHTS	CGT	VORTAC	L	290.85	292.85		38.99	3000	17500
3	DUPAGE	DPA	VOR/DME	VL	185.07	187.07	7.90	7.90	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 DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	N	JOT	VOR/DME	347.38	167.38	R	1	3000 6000	4 12
2	S	DPA	VOR/DME	185.07	005.07	R	1	3000 6000	6 14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	415500.00N/0882542.00W	1185	4B
1	310	TOWER (17-001565)	420111.70N/0882252.99W	1386	1A
2	200	TOWER (17-001880)	414827.00N/0881607.00W	1187	4D
2	310	TOWER (17-001613)	413626.00N/0882710.00W	1266	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC RWY 33	KARR	CHICAGO/AURORA	IL (US)
2	ILS OR LOC RWY 9	KARR	CHICAGO/AURORA	IL (US)

REMARKS:
JOLIET (FAC 1) AND CHICAGO HEIGHTS (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9	1, 3	2	ARR	CHICAGO/AURORA	IL (US)
IAP	LOC RWY 33	1, 3	1	ARR	CHICAGO/AURORA	IL (US)
IAP	ILS OR LOC RWY 2L (ALT MA)	1, 3	1	DPA	CHICAGO/WEST CHICAGO	IL (US)

REQUIRED CHARTING: IAP, AREA, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 07/09/2026

REASON FOR REVISION:

- PATTERNS: UPDATED PAT 1 TEMPLATE FROM "5/6" TO "4/12"; PAT 2 TEMPLATE FROM "5/6" TO "6/14"
- CONTROLLING OBSTRUCTIONS: UPDATED PAT 1 200 KT FROM "AAO 415509.00N/0882551.00W 1214 4E" TO "AAO 415500.00N/0882542.00W 1185 4B".

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A33 **NAME:** WILLIAM MATTHEWS

APPROVED BY: **DATE:** 06/04/2026 **OFFICE:** AJV-A33 **NAME:** KYLE THOMPSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: WOLFF **STATE:** IL **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 414606.75N/0883717.72W **TYPE:** WP, RADAR, INT

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC	MRA	MAA
								NM FEET		
1	CHICAGO/AURORA	I-ARR	LOC		270.14	269.14		7.44 45181	2700	5200
2	JOLIET	JOT	VOR/DME	H	312.43	314.43		19.06	2700	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9	1, 2		ARR	CHICAGO/AURORA	IL (US)
IAP	RNAV (GPS) RWY 9			ARR	CHICAGO/AURORA	IL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 09/13/2018

REASON FOR REVISION:

1. FIX MOVED 623 FT WEST.
2. REMOVED KARR R09 FROM FIX MAKEUP.
3. JOT VORTAC CHANGED TO JOT VOR/DME.
4. MAG COURSE FROM JOT VOR/DME CHANGED FROM 312.66 TO 312.43; TRUE COURSE FROM 314.66 TO 314.43.
5. UPDATED FIX USE FORMAT.
6. FAC 2 ADDED TO KARR ILS OR LOC 9 FIX USE.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
DEVELOPED BY: **DATE:** 01/05/2018 **OFFICE:** AJV-5431 **NAME:** COLTON CROWDER
APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CHI
ARTCC: ZAU
ATC FACILITY: ARR TOWER, ORD APP CON
OTHER: