

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: SID	Estimated Chart Date: 03/21/2024	APWS Task ID: ED307D202BF9498EA843FED1566234D3	APWS Project ID: 3D76225FE98145D8B0182B692B5E6F0B
Procedure: SID BNGL (RNAV) FIVE COVINGTON KY KCVG		Enroute: YES	Specialist: Nesbitt, Cole		Agreement Number:
Airport ID: KCVG			Airport City: COVINGTON		State: KY
Facility ID: CVG	Facility Type: VORTAC	Flight Inspection Remark Type: Hold FC Slot			
<div>Procedure Comments:</div> <div>FULL AMENDMENT USING PENDING DATA.</div> <div>VORMON / AIRPORT MODERNIZATION.</div> <div>CONTACT ERIK SUSKI: 405-650-4749.</div> <div>12/12/2023: THIS IS AN UPDATED COPY FOR THE FORM DEVELOPED ON 09/18/2023:</div> <div>1. DP ROUTE DESCRIPTION: CHANGED FROM "TAKEOFF RWY 18R: CLIMB ON HEADING 186.17 TO INTERCEPT COURSE 202.14 TO FANSA," TO "TAKEOFF RWY 18R: CLIMB ON HEADING 186.17 TO INTERCEPT COURSE 205.00 TO FANSA,"</div> <div>02/08/2024: THIS IS AN CORRECTED COPY OF THE FORM APPROVED ON 02/05/2024.</div> <div>1. -15C: CHANGED RWY 18R AMMOT TO BNGL DISTANCE (NM) FROM "30.87" TO "30.27".</div> <div>Digitally signed by</div> <div>ERIC N SUSKI</div> <div>Feb 09, 2024</div> <div>J ZEDER 02/08/2024</div>					

QUALITY
20
CHECKED

QUALITY
9
CHECKED
BEGUE

QUALITY
16
CHECKED

FIPC DME/DME FORM							
PROCEDURE: SID BNGLE (RNAV) FIVE COVINGTON KY KCVG			AIRPORT NAME: CINCINNATI/NORTHERN KENTUCKY		AIRPORT ID: KCVG	SPECIAL CONTROL NO: AG-12-182-23	
FAC ID: BNGLE5		CITY: COVINGTON			ST: KY	ORIG CHART DATE: 03/21/2024	
DFL TYPE: PROC/D	THIRD PARTY: <input type="checkbox"/> YES	EST. TIME ON SITE: 0.5	REIMB. NUMBER:		PTS TASK ID: ED307D202BF9498EA843FED1566234D3		
PREFLIGHT NOTES							
REVIEWER: jeffrey a findley					DATE: 02/02/2024		
COMMENTS:					CHECK ONE:		
					<input checked="" type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT		
							YES
					CPV COMPLETE?		X
PROCEDURE RESULTS							
INSPECTION DATE: 02/02/2024		CREW #: VN450	N #: N85	INSTRUMENT PROCEDURE STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT		ARINC CODING: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT	
FLIGHT INSPECTOR SIGNATURE: jeffrey a findley @ 02/02/2024 12:57			PRINTED NAME: FINDLEY, JEFFREY ALLEN			NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
FLIGHT INSPECTOR REMARKS:							
DME/DME STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT		SPECIALIST SIGNATURE: steven s-ctr rager @ 02/06/2024 13:24			PRINTED NAME: Steven Rager		
SPECIALIST REMARKS: Post Flight DME/DME Analysis has been performed on the KCVG BNGLE5 SID with satisfactory results. All modeled DME's and ESV's were recorded by Flight Inspection and suitable for DME/DME/IRU operations.							
IN-FLIGHT OBSTACLE REPORT							
OBSTRUCTION ID #:	COORDINATES OR LOCATION:		GNSS ALTITUDE (MSL):		BAROMETRIC ALTITUDE (MSL):		HEIGHT ABOVE GROUND LEVEL:

FIPC DME/DME FORM						
PROCEDURE: SID BNGLE (RNAV) FIVE COVINGTON KY KCVG			AIRPORT NAME: CINCINNATI/NORTHERN KENTUCKY		AIRPORT ID: KCVG	SPECIAL CONTROL NO: AG-12-182-23
FAC ID: BNGLE5		CITY: COVINGTON			ST: KY	ORIG CHART DATE: 03/21/2024
DFL TYPE: PROC/D	THIRD PARTY: <input type="checkbox"/> YES	EST. TIME ON SITE: 0.5	REIMB. NUMBER:	PTS TASK ID: ED307D202BF9498EA843FED1566234D3		
PREFLIGHT NOTES						
REVIEWER: jeffrey a findley					DATE: 02/02/2024	
COMMENTS:					CHECK ONE:	
					<input checked="" type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT	
						YES
					CPV COMPLETE?	
					X	
PROCEDURE RESULTS						
INSPECTION DATE: 02/02/2024	CREW #: VN450	N #: N85	INSTRUMENT PROCEDURE STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT		ARINC CODING: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT	
FLIGHT INSPECTOR SIGNATURE: jeffrey a findley @ 02/02/2024 12:57			PRINTED NAME: FINDLEY, JEFFREY ALLEN			NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
FLIGHT INSPECTOR REMARKS:						
DME/DME STATUS: <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT		SPECIALIST SIGNATURE:			PRINTED NAME:	
SPECIALIST REMARKS:						
IN-FLIGHT OBSTACLE REPORT						
OBSTRUCTION ID #:	COORDINATES OR LOCATION:	GNSS ALTITUDE (MSL):	BAROMETRIC ALTITUDE (MSL):	HEIGHT ABOVE GROUND LEVEL:		

CINCINNATI/NORTHERN KENTUCKY INTL (CVG)

AL-655 (FAA)

COVINGTON, KENTUCKY

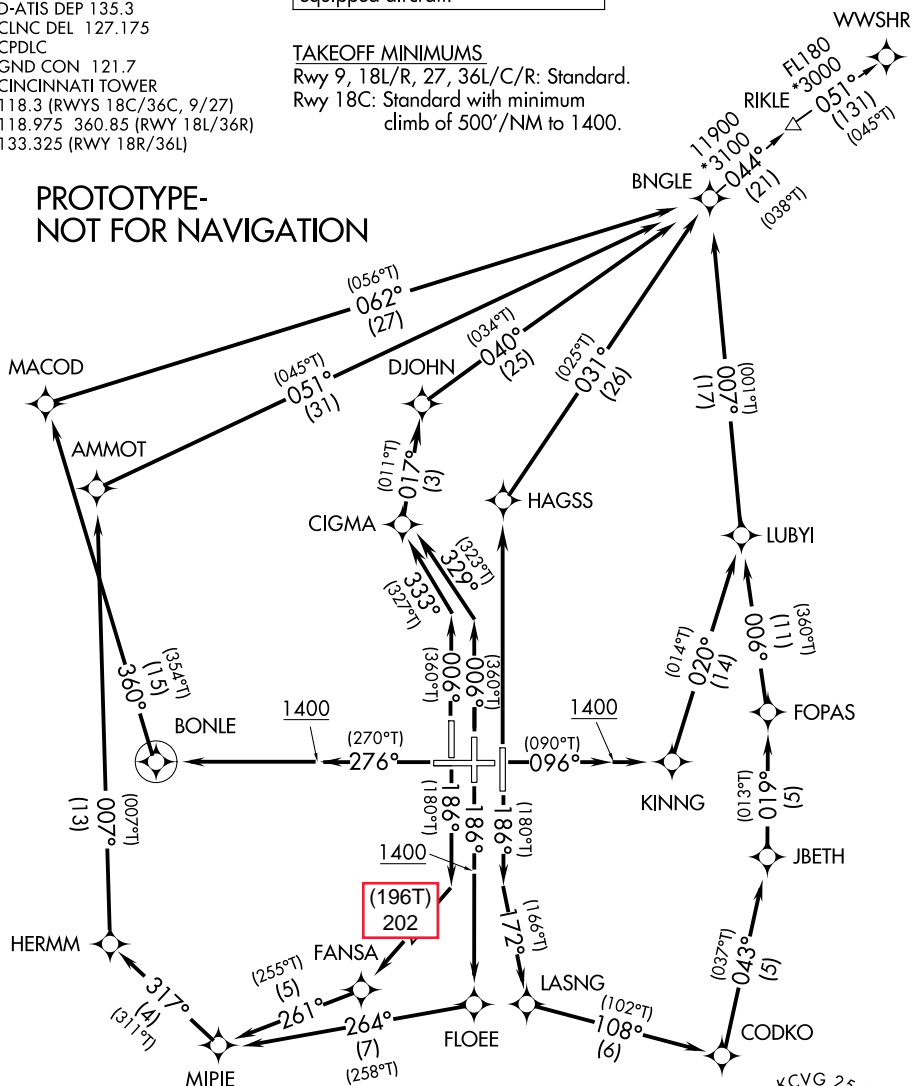
RNAV 1 - DME/DME/IRU or GPS.
RADAR required for non-GPS
equipped aircraft.

TOP ALTITUDE:
(JETS) 5000/(PROPS) 4000

TAKEOFF MINIMUMS

Rwy 9, 18L/R, 27, 36L/C/R: Standard.
Rwy 18C: Standard with minimum
climb of 500' /NM to 1400.

PROTOTYPE-
NOT FOR NAVIGATION



NOTE: Transponder code will be issued via PDC or Cincinnati CLNC DEL.

(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

COVINGTON, KENTUCKY

CINCINNATI/NORTHERN KENTUCKY INTL (CVG)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 9: Climb on heading 096° to 1400, then direct KINNG, then on track 020° to LUBYI, then on track 007° to BNGLE, thence. . . .

TAKEOFF RUNWAY 18L: Climb on heading 186° to intercept course 172° to LASNG, then on track 108° to CODKO, then on track 043° to JBETH, then on track 019° to FOPAS, then on track 006° to LUBYI, then on track 007° to BNGLE, thence. . . .

TAKEOFF RUNWAY 18C: Climb on heading 186° to 1400, then direct FLOEE, then on track 264° to MIPIE, then on track 317° to HERMM, then on track 007° to AMMOT, then on track 051° to BNGLE, thence. . . .

TAKEOFF RUNWAY 18R: Climb on heading 186° to intercept course 202° to FANSA, then on track 261° to MIPIE, then on track 317° to HERMM, then on track 007° to AMMOT, then on track 051° to BNGLE, thence. . . .

TAKEOFF RUNWAY 27: Climb on heading 276° to 1400, then direct BONLE, then on track 360° to MACOD, then on track 062° to BNGLE, thence. . . .

TAKEOFF RUNWAY 36L: Climb on heading 006° to intercept course 333° to CIGMA, then on track 017° to DJOHN, then on track 040° to BNGLE, thence. . . .

TAKEOFF RUNWAY 36C: Climb on heading 006° to intercept course 329° to CIGMA, then on track 017° to DJOHN, then on track 040° to BNGLE, thence. . . .

TAKEOFF RUNWAY 36R: Climb direct HAGSS, then on track 031° to BNGLE, thence. . . .

. . . .turbojets: maintain 5000, all other aircraft: maintain 4000. Expect clearance to filed altitude within ten minutes after departure.

RIKLE TRANSITION (BNGLE5.RIKLE)

WWSHR TRANSITION (BNGLE5.WWSHR)

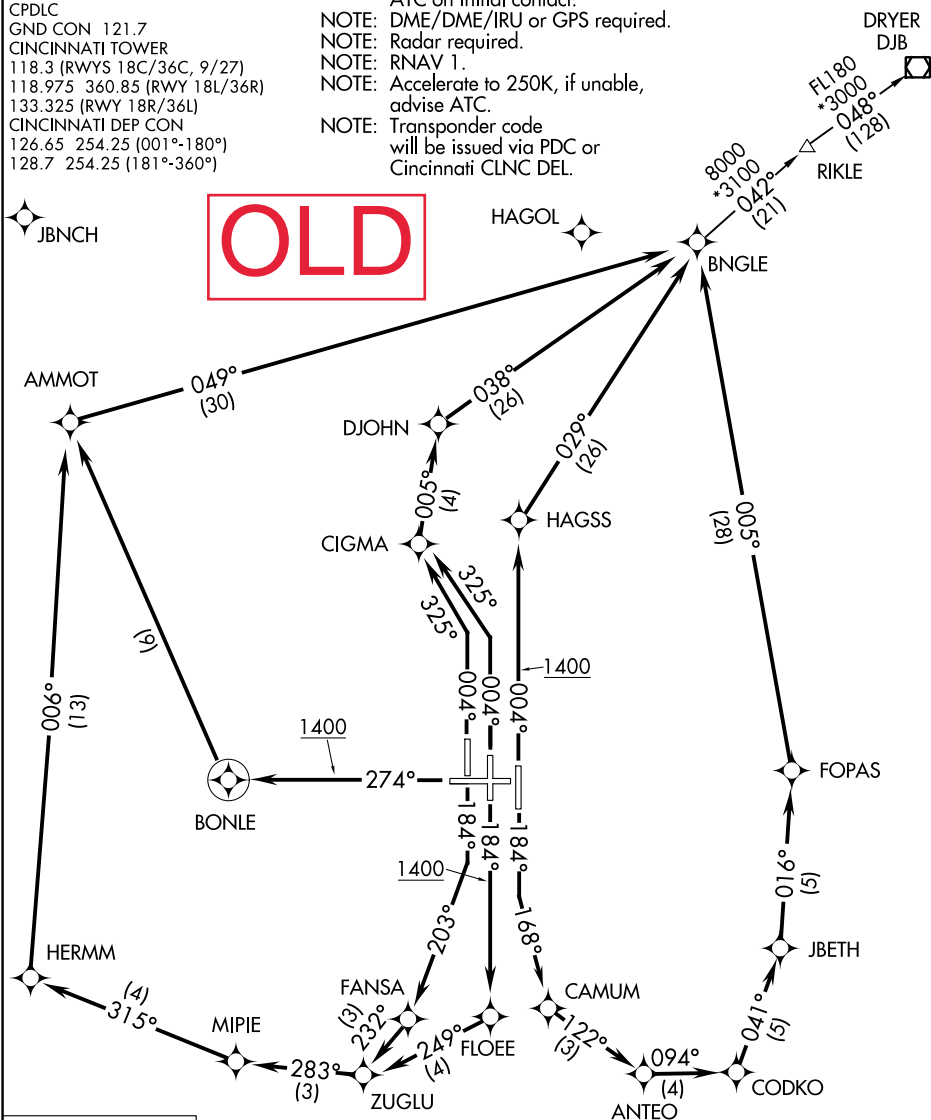
PROTOTYPE-NOT FOR NAVIGATION

BNGLE FOUR DEPARTURE (RNAV)

AL-655 (FAA)

COVINGTON, KENTUCKY

NOTE: If unable to accept climb rates, advise ATC on initial contact.
NOTE: DME/DME/IRU or GPS required.
NOTE: Radar required.
NOTE: RNAV 1.
NOTE: Accelerate to 250K, if unable, advise ATC.
NOTE: Transponder code will be issued via PDC or Cincinnati CLNC DEL.



TOP ALTITUDE:
(JETS/PROPS)
6000 4000

TAKEOFF MINIMUMS:
Rwy 9: NA-ATC.
Rwys 18L, 18C, 18R, 27, 36R,
36C, 36L: Standard with
minimum climb of 500'
per NM to 1400.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

BNGLE FOUR DEPARTURE (RNAV)

(BNGLE4.BNGLE) 10DEC15

COVINGTON, KENTUCKY

CINCINNATI/NORTHERN KENTUCKY INTL (CVG)

SE-1, 07 SEP 2023 to 05 OCT 2023



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18L: Climb heading 184° to intercept course 168° to CAMUM, then on depicted route to BNGLE, thence. . . .

TAKEOFF RUNWAY 18C: Climb heading 184° to 1400, then direct FLOEE, then on depicted route to BNGLE, thence. . . .

TAKEOFF RUNWAY 18R: Climb heading 184° to intercept course 203° to FANSA, then on depicted route to BNGLE, thence. . . .

TAKEOFF RUNWAY 27: Climb heading 274° to 1400, then direct BONLE, then right turn direct AMMOT, then on depicted route to BNGLE, thence. . . .

TAKEOFF RUNWAY 36R: Climb heading 004° to 1400, then direct HAGSS, then then on depicted route to BNGLE, thence. . . .

TAKEOFF RUNWAY 36C: Climb heading 004° to intercept course 325° to CIGMA, then on depicted route to BNGLE, thence. . . .

TAKEOFF RUNWAY 36L: Climb heading 004° to intercept course 325° to CIGMA, then on depicted route to BNGLE, thence. . . .

. . . . turbojet aircraft maintain 6000, all other aircraft maintain 4000. Expect clearance to filed altitude within 10 minutes after departure.

DRYER TRANSITION (BNGLE4.DJB):

RIKLE TRANSITION (BNGLE4.RIKLE):

OLD

SE-1, 07 SEP 2023 to 05 OCT 2023

SE-1, 07 SEP 2023 to 05 OCT 2023

CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, HY
BNGL FIVE (RNAV)
RWY 9 TRANSITION
1:500K

RIKLE TOWER (2049)
39-001362

RIKLE

BNGL

FLUBYI

FOPAS

KINNG

JBETH

CODKO

LASNG

FLOEE

FANSA

MIPIE

HERMM

BONLE

AURORA

LAWRENCEBURG

AMMOT

MACOD

MT CARMEL

RELY

FAIRHAVEN

LIBERTY

ABINGTON

DAYTON/PHILIPSBURG

DAYTON INTL

DAYTON

DAYTON

DAYTON

DAYTON

DAYTON

DAYTON

DAYTON

DAYTON

DAYTON

DAYTON

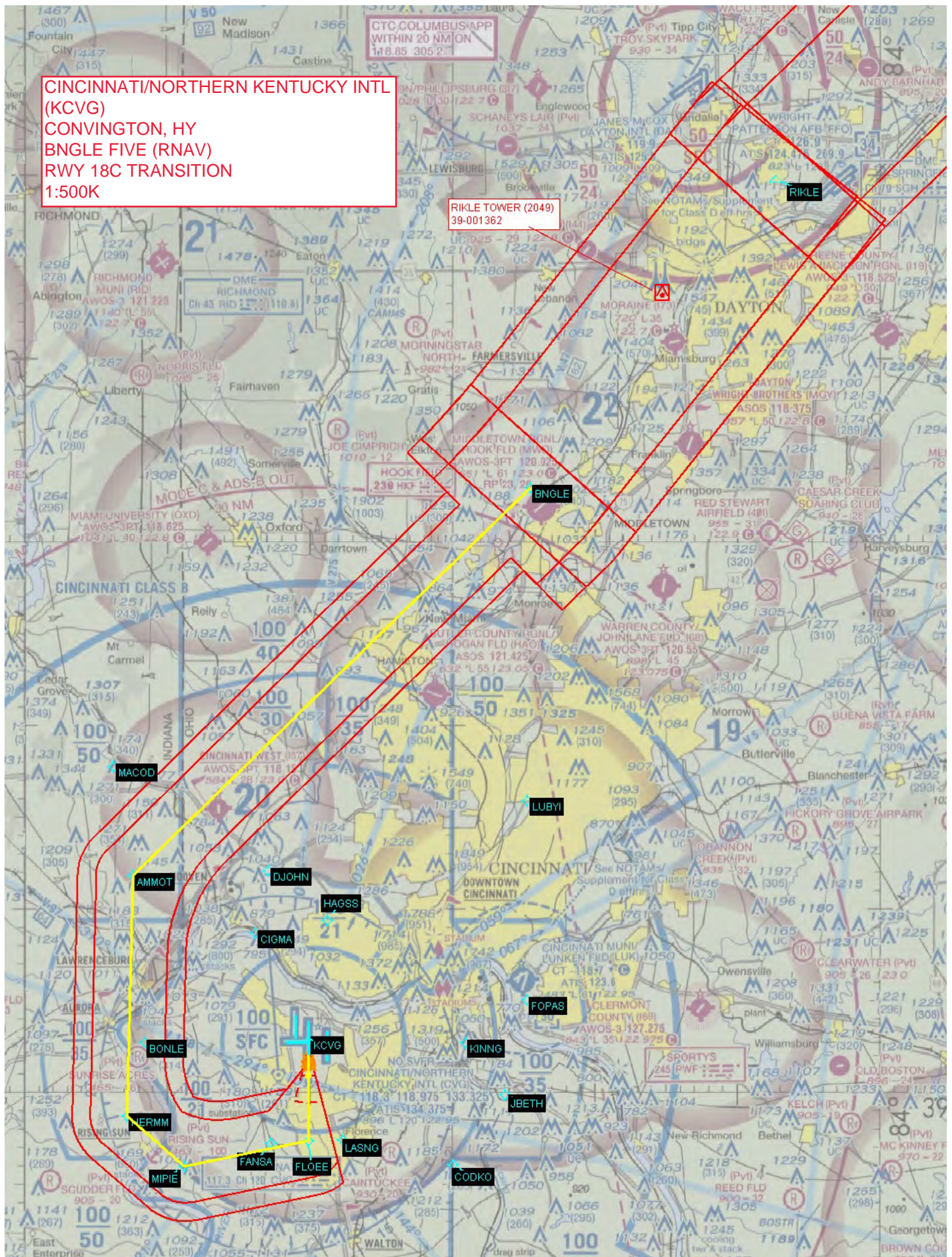
DAYTON

DAYTON

DAYTON

CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, KY
BNGLE FIVE (RNAV)
RWY 18C TRANSITION
1:500K

RIKLE TOWER (2049)
39-001362



CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, HY
BNGLE FIVE (RNAV)
RWY 18L TRANSITION
1:500K

RIKLE TOWER (2049)
39-001362

RIKLE

BNGLE

1154

FOPAS

1

ETH

A. 195

39 A

SPORTS
245 PWF

SPORTS
245 PWF

CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, KY
BNGLE FIVE (RNAV)
RWY 18R TRANSITION
1:500K

RIKLE TOWER (2049)
39-001362

RIKLE

BNGLE

MACOD

AMMOT

DJOHN

HAGSS

CIGMA

BONLE

KCVG

NERMM

FANSA

FLOEE

MIPIE

LASNG

CODKO

KINNG

JBETH

FOPAS

SPORTS

245 PWF

CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, HY
BNGL FIVE (RNAV)
RWY 27 TRANSITION
1:500K

RIKLE TOWER (2049)
39-001362

RIKLE

BNGL

MACOD

AMMOT

DJOHN

CIGMA

KCVG

BONLE

HERMM

MIPIE

FANSA

FLOEE

LASNG

KINNG

FOPAS

JBETH

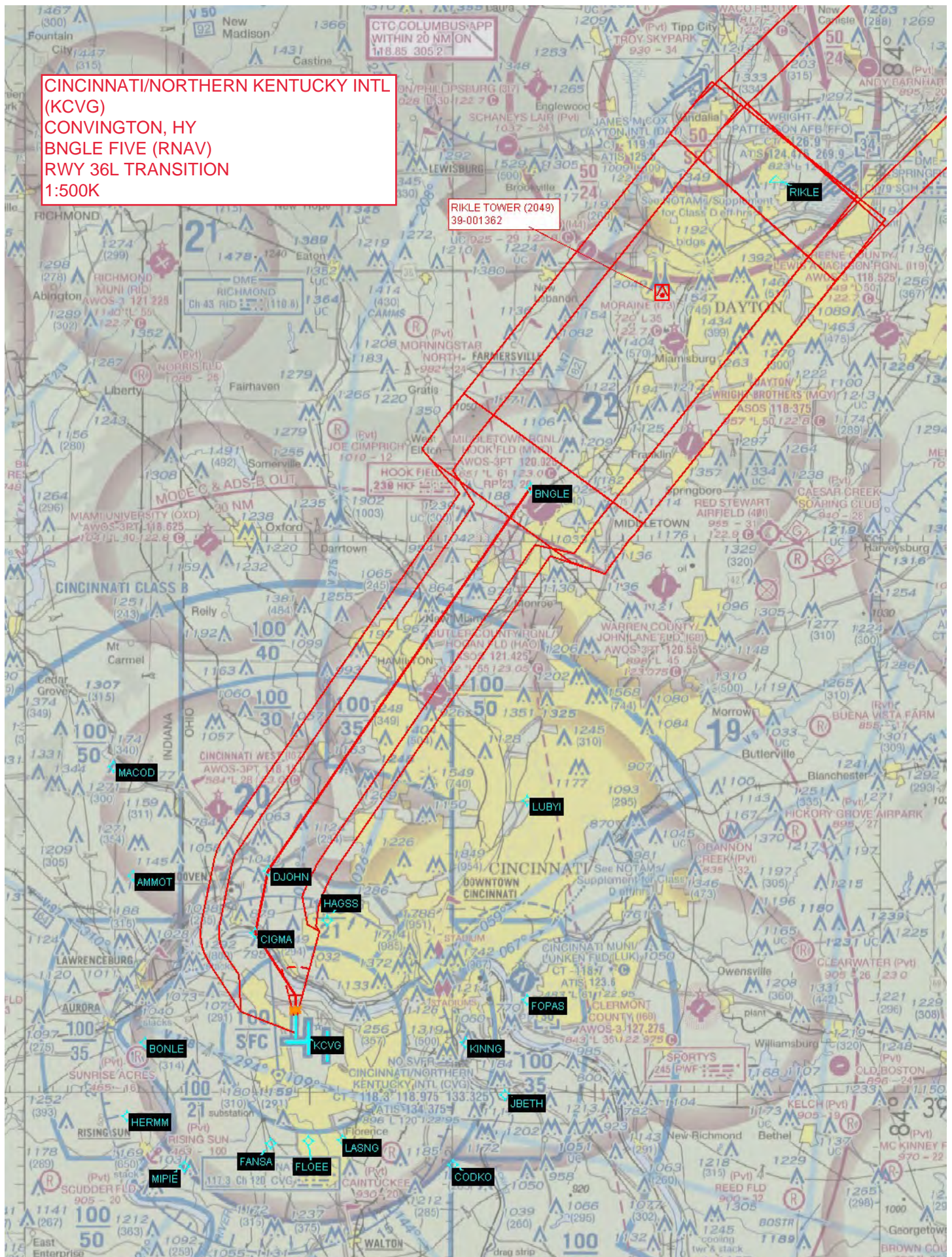
CODKO

SPORTS

245 PWF

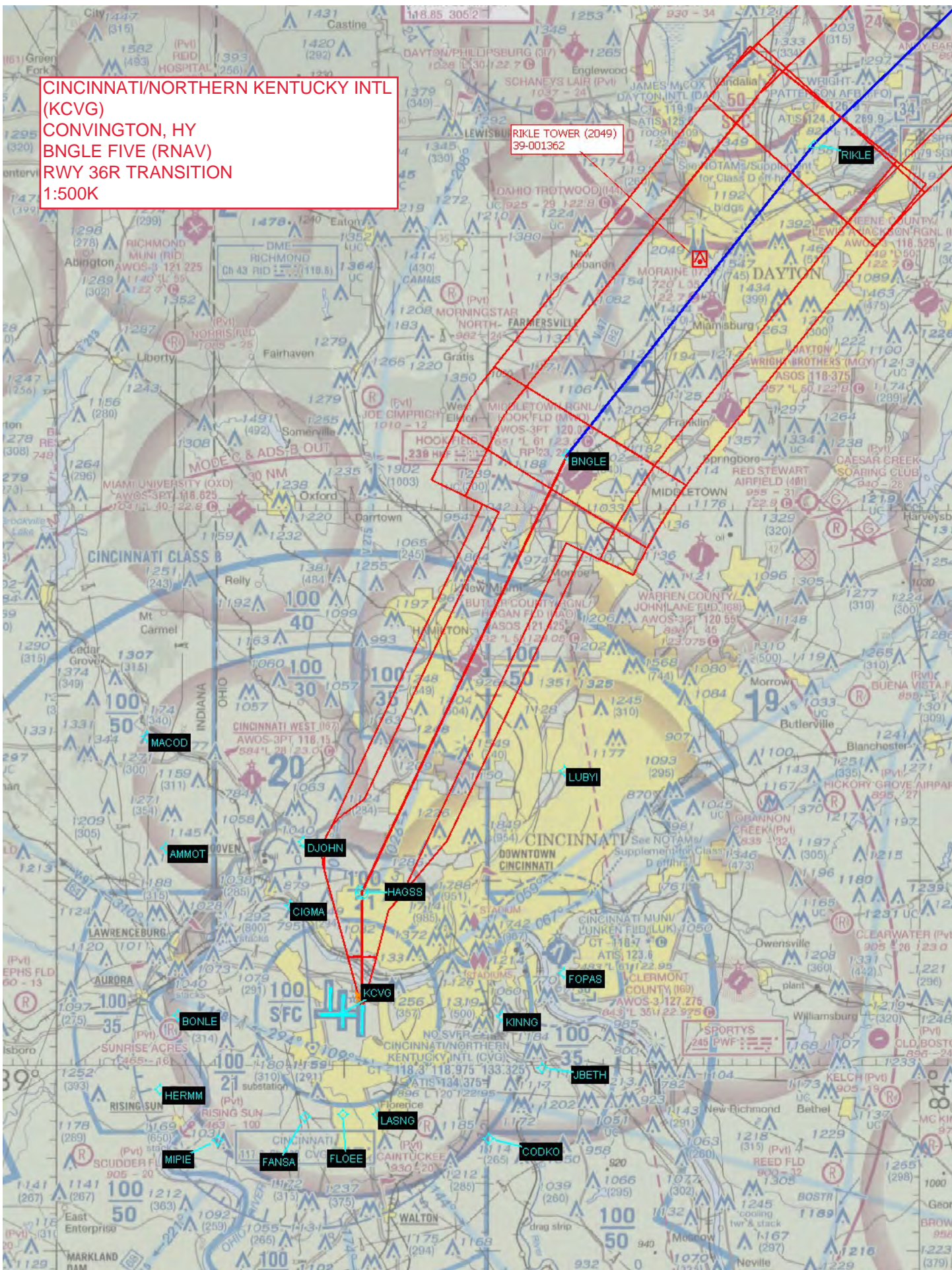
CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, HY
BNGL FIVE (RNAV)
RWY 36L TRANSITION
1:500K

RIKLE TOWER (2049)
39-001362



CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, KY
BNGLE FIVE (RNAV)
RWY 36R TRANSITION
1:500K

RIKLE TOWER (2049)
39-001362



CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, HY
BNGL FIVE (RNAV)
WWSHR TRANSITION
1:500K

RIKLE TOWER (2049)
39-001362

BNGL

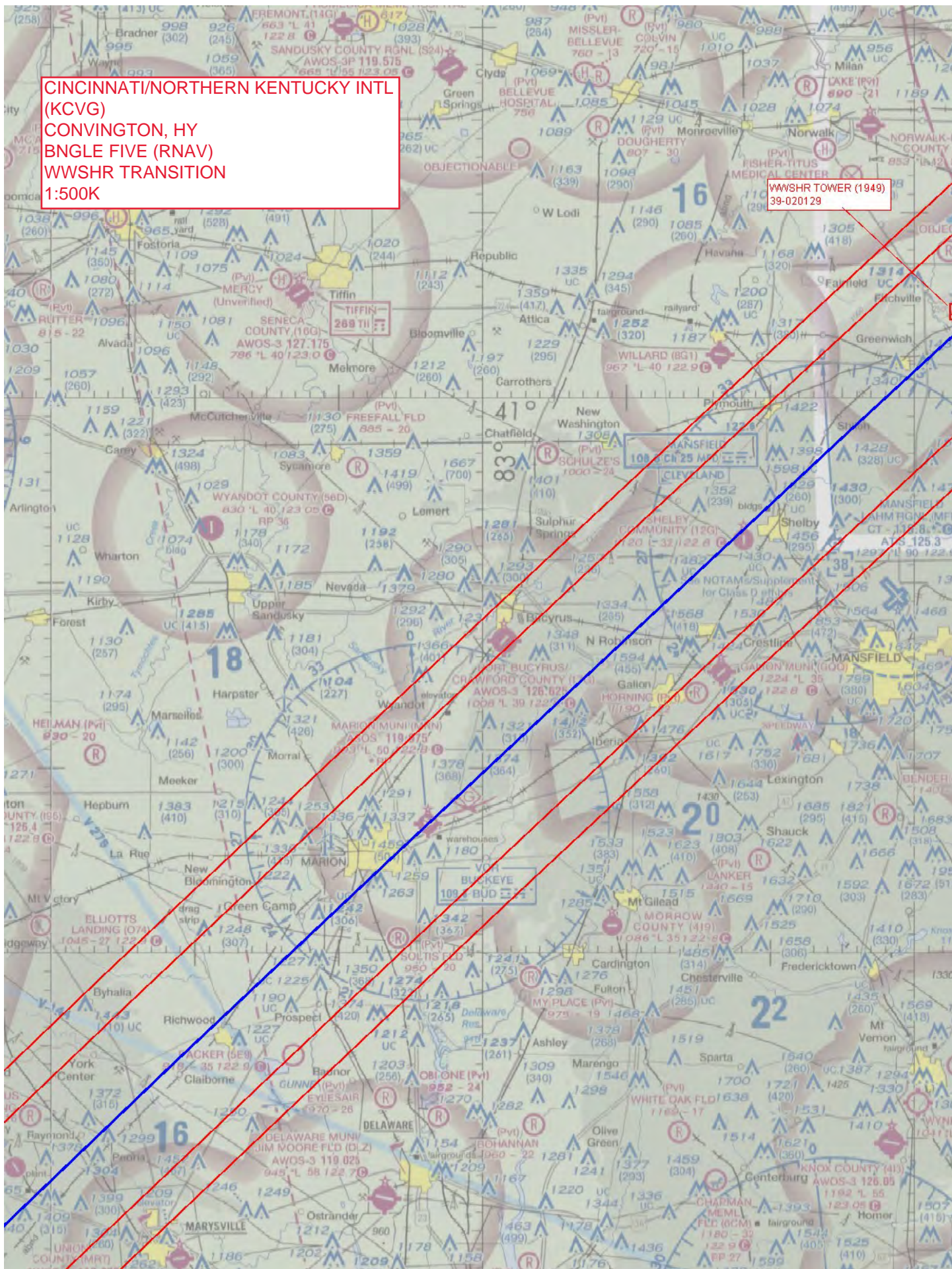
RIKLE

AIRBO

CINCINNATI/NORTHERN KENTUCKY INTL (KCVG)
 CONVINGTON, KY
 BNGLE FIVE (RNAV)
 WWSHR TRANSITION
 1:500K

CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, KY
BNGLE FIVE (RNAV)
WWSHR TRANSITION
1:500K

WWSHR TOWER (1949)
39-020129



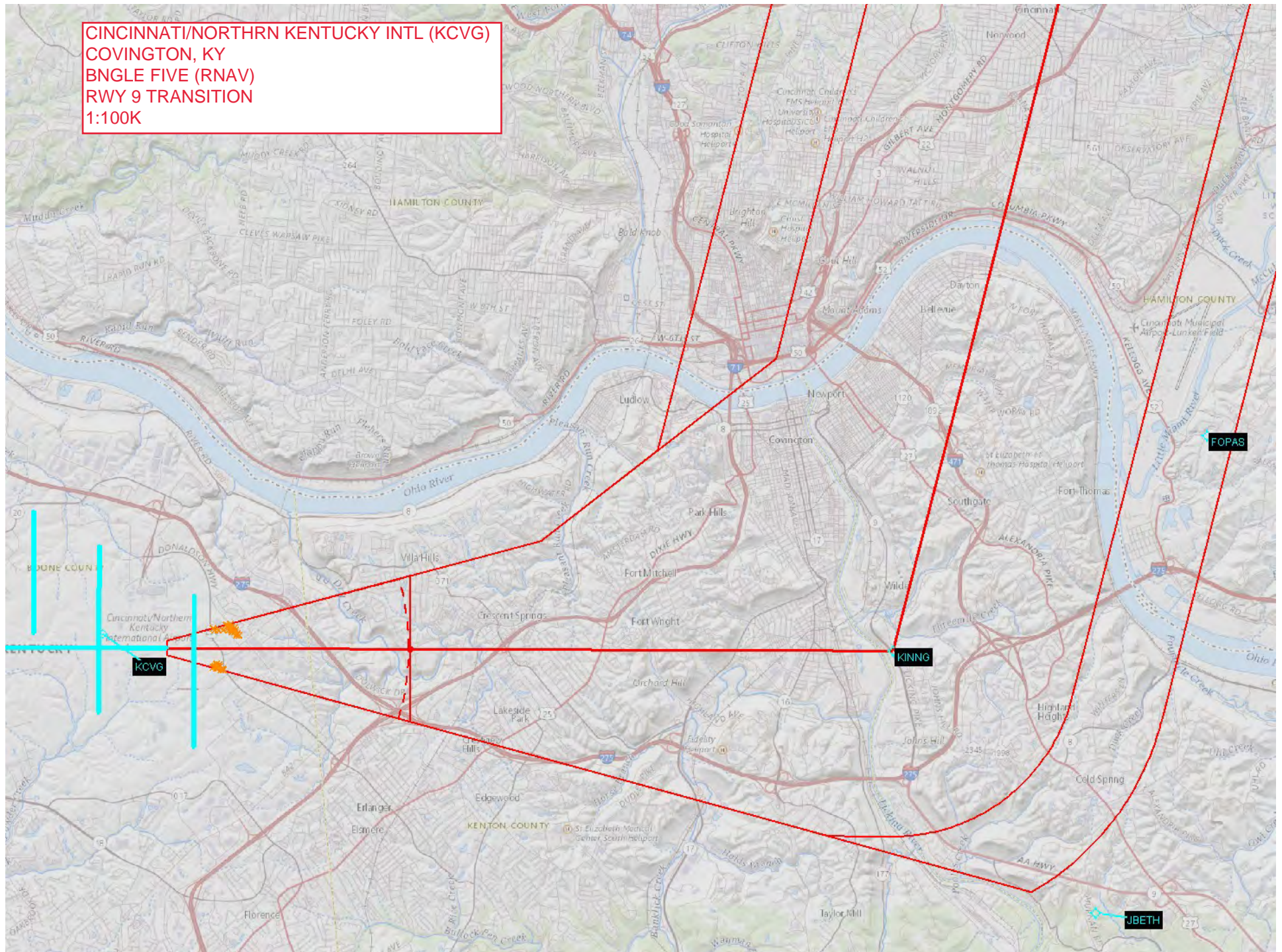
CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, HY
BNGL FIVE (RNAV)
WWSHR TRANSITION
1:500K

WWSHR TOWER (1949)
39-020129

WWSHR

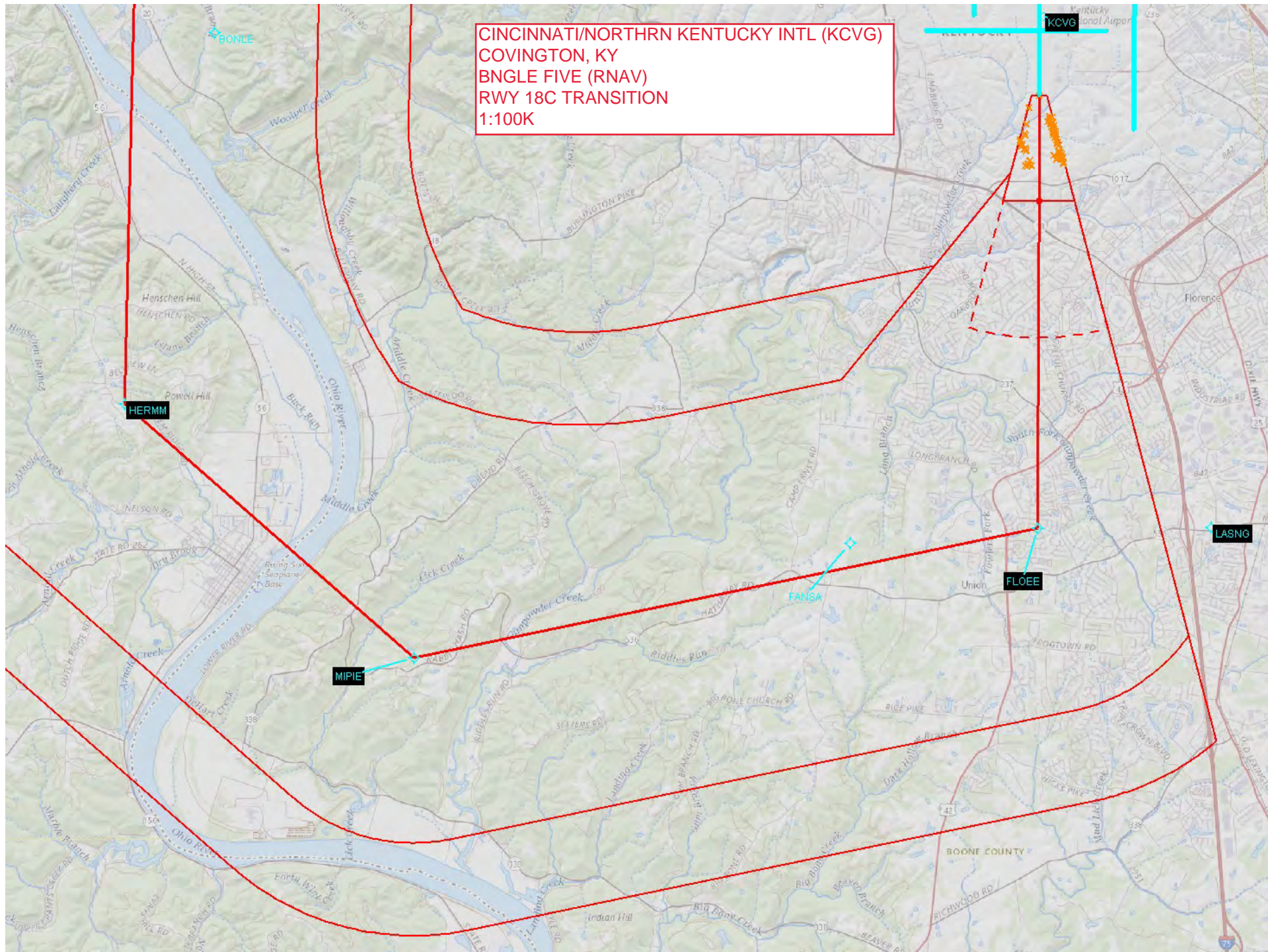
MANN'S
372 MF

CINCINNATI/NORTHRN KENTUCKY INTL (KCVG)
COVINGTON, KY
BNGL FIVE (RNAV)
RWY 9 TRANSITION
1:100K

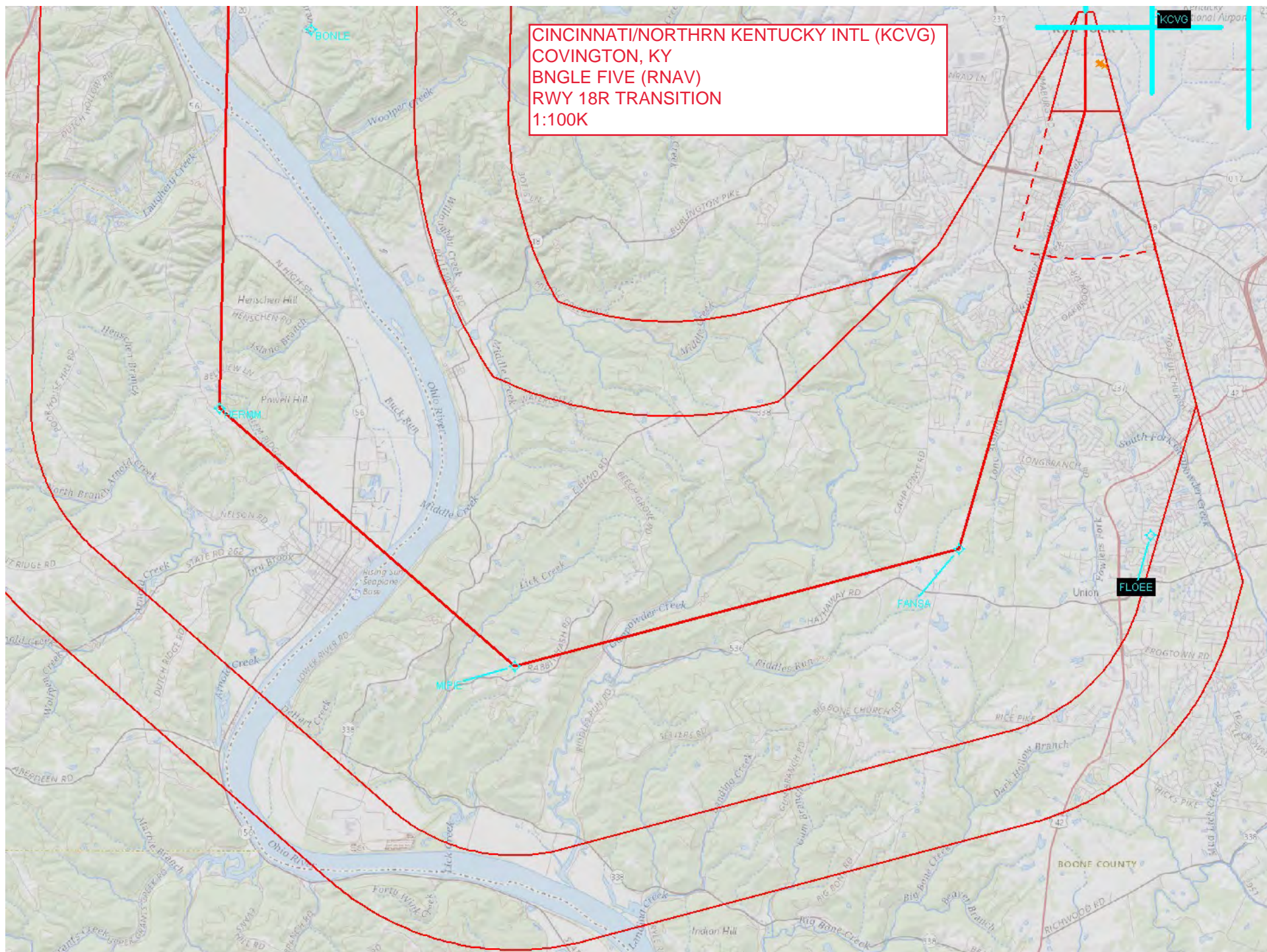


CINCINNATI/NORTHERN KENTUCKY INTL (KCVG)
COVINGTON, KY
BNGLE FIVE (RNAV)
RWY 18L TRANSITION
1:100K

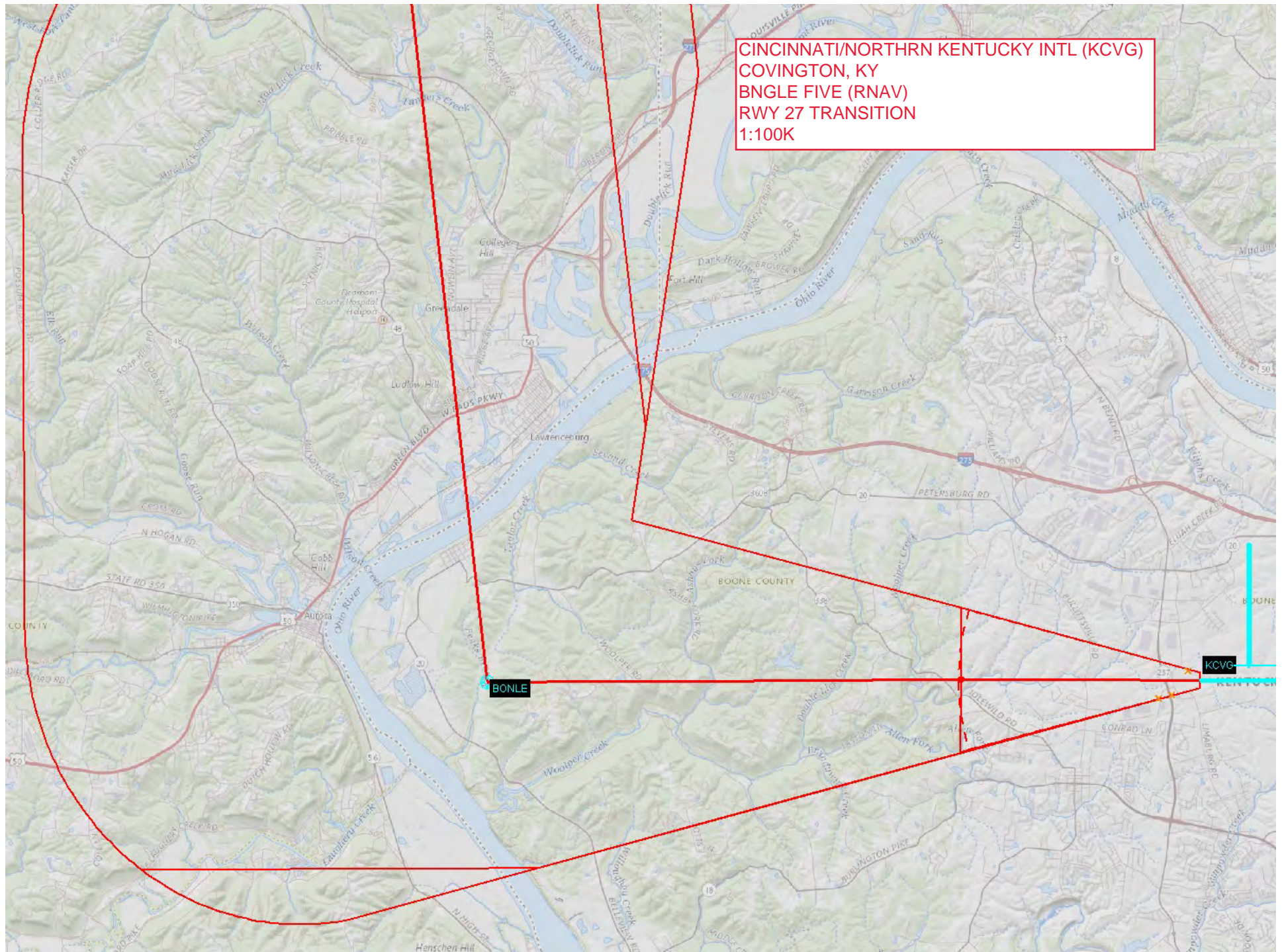
CINCINNATI/NORTHRN KENTUCKY INTL (KCVG)
COVINGTON, KY
BNGLE FIVE (RNAV)
RWY 18C TRANSITION
1:100K

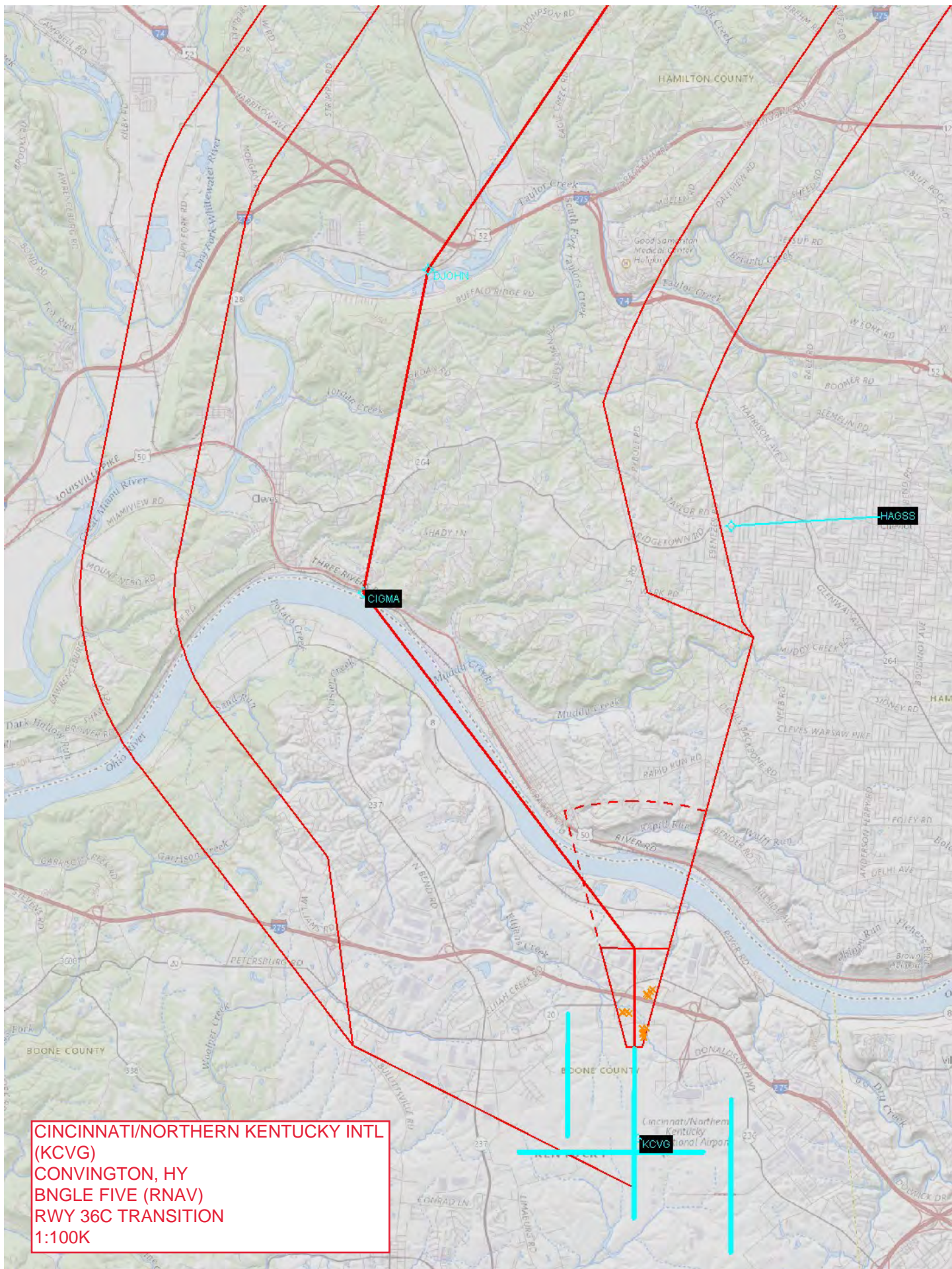


CINCINNATI/NORTHRN KENTUCKY INTL (KCVG)
COVINGTON, KY
BNGLE FIVE (RNAV)
RWY 18R TRANSITION
1:100K

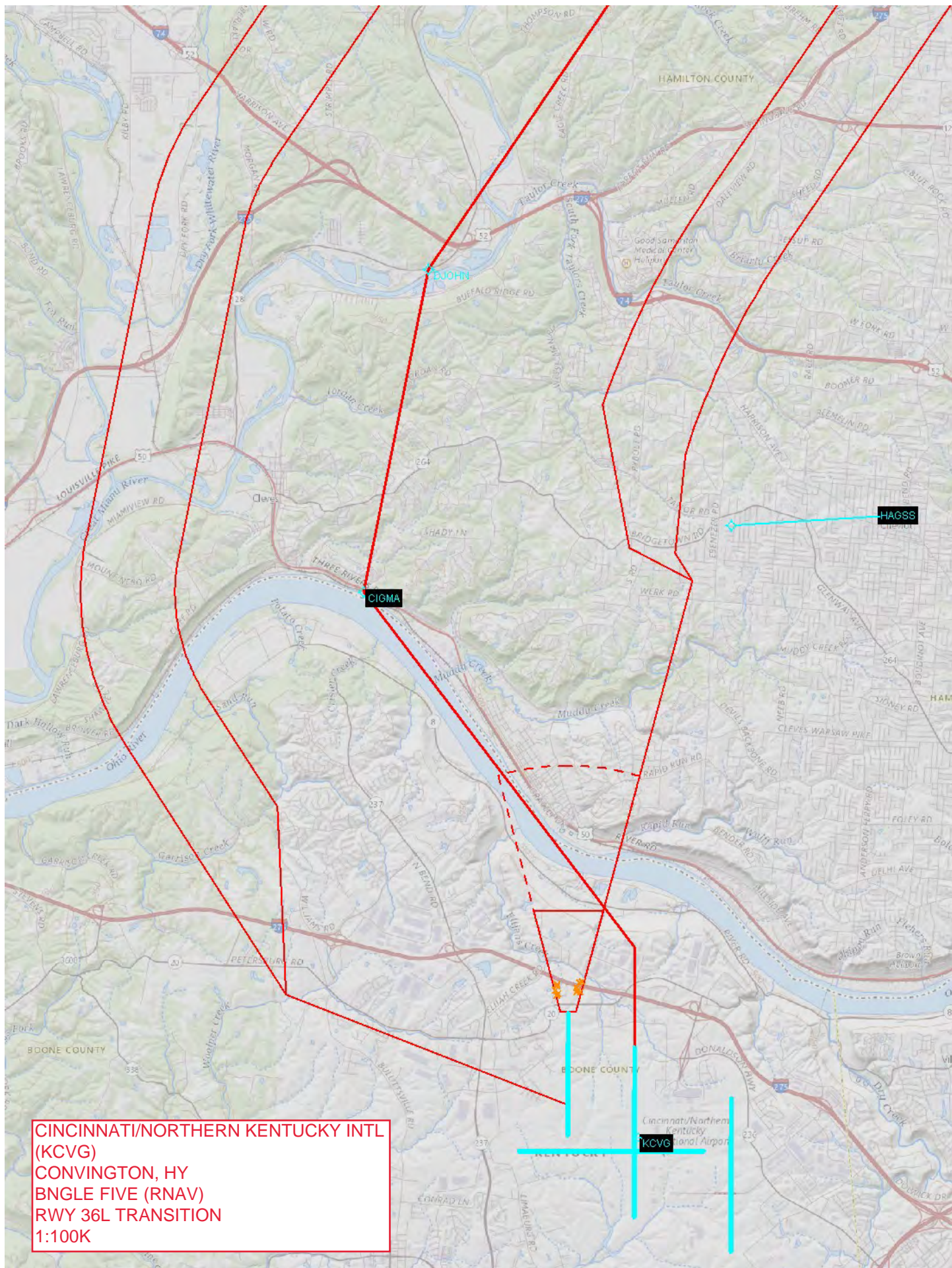


CINCINNATI/NORTHRN KENTUCKY INTL (KCVG)
COVINGTON, KY
BNGLE FIVE (RNAV)
RWY 27 TRANSITION
1:100K

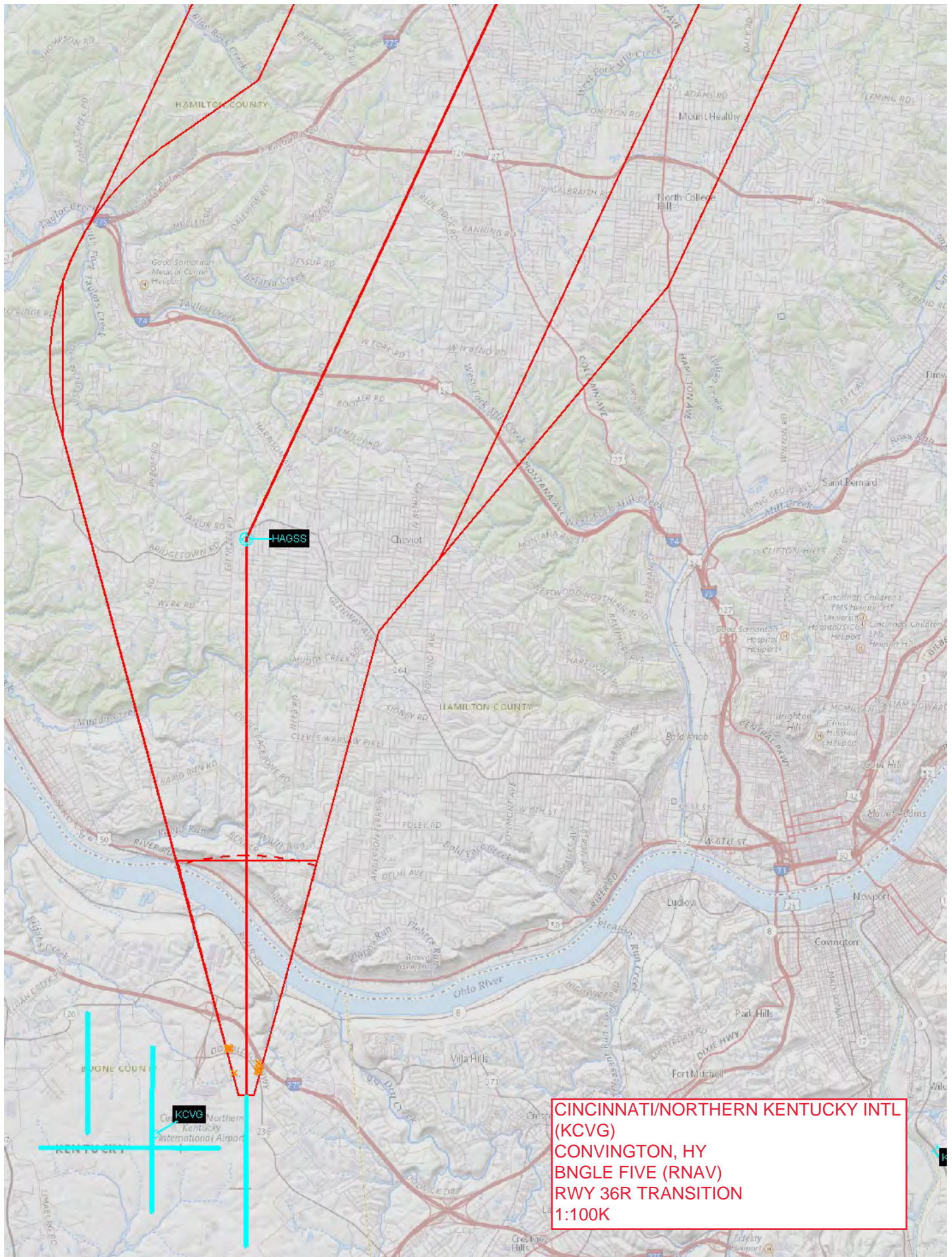




CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, HY
BNGLE FIVE (RNAV)
RWY 36C TRANSITION
1:100K



CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, HY
BNGLE FIVE (RNAV)
RWY 36L TRANSITION
1:100K



CINCINNATI/NORTHERN KENTUCKY INTL
(KCVG)
CONVINGTON, HY
BNGLE FIVE (RNAV)
RWY 36R TRANSITION
1:100K