


Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: STAR	Estimated Chart Date: 05/21/2020	APWS Task ID: 3DAA6DF38419458A978CB2787F192589	APWS Request ID: 28CC48026ED0402C83B7B3F13AFDBF4F
Procedure: STAR MADII FIVE CHICAGO, IL KORD		Enroute: YES	Specialist: Carlson, Kelly		Agreement Number:
Airport ID: KORD	Airport Name: CHICAGO O'HARE INTL		Airport City: CHICAGO		State: IL
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			

**Procedure Comments:**  
CONTACT WARDELL HENNING 405-954-9954

*Digitally signed by*  
**WARDELL HENNING**  
Apr 03, 2020

03/31/2020: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/30/2020.  
1. TO THE FOLGO TRANSITION, ADDED "FIX PIRPLE ON COURSE 189.2, AT 34.40 MILES, MEA 9000, WITH A MOCA OF 2400".  
2. ON THE FOLGO TRANSITION, AMENDED FIX FGHRN FROM "COURSE 189.27, 45.40 MILES, MEA 9000, MOCA 2300" TO "COURSE 189.21, AT 11.00 MILES, MEA 9000, MOCA OF 2300".  
3. AMENDED CHANGES #3 FROM "ADD NEW ENROUTE TRANSITION AT PIPRL" TO "ADD NEW ENROUTE TRANSITION AT PIRPL".  
4. ON 8260-2 FORM FOR FIX PIRPL, ADDED "STAR MADII (RNAV)" TO FIX USE.



## FIPC DME/DME FORM

<b>PROCEDURE:</b> STAR MADII (RNAV) FIVE CHICAGO IL KORD		<b>AIRPORT NAME:</b> CHICAGO O'HARE INTL		<b>AIRPORT ID:</b> KORD	<b>SPECIAL CONTROL NO:</b> BG-02-040-20
<b>FAC ID:</b> MADII5		<b>CITY:</b> CHICAGO		<b>ST:</b> IL	<b>ORIG CHART DATE:</b> 05/21/2020
<b>DFL TYPE:</b> PROC/D	<b>THIRD PARTY:</b> <input type="checkbox"/> YES	<b>EST. TIME ON SITE:</b> 1.0	<b>REIMB. NUMBER:</b> AC0721	<b>PTS TASK ID:</b>	

## PREFLIGHT NOTES

<b>REVIEWER:</b> scott wiebe			<b>DATE:</b> 03/16/2020		
<b>COMMENTS:</b>			<b>CHECK ONE:</b>		
			<input checked="" type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT		
					<b>YES</b>
			<b>CPV COMPLETE?</b>		<b>X</b>

## PROCEDURE RESULTS

<b>INSPECTION DATE:</b> 03/15/2020	<b>CREW #:</b> VN219	<b>N #:</b> N67	<b>INSTRUMENT PROCEDURE STATUS:</b> <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT		<b>ARINC CODING:</b> <input type="checkbox"/> SAT <input checked="" type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT
<b>FLIGHT INSPECTOR SIGNATURE:</b> scott wiebe @ 03/16/2020 03:07			<b>PRINTED NAME:</b> WIEBE, GREGORY SCOTT		<b>NOTAM INITIATED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

<b>FLIGHT INSPECTOR REMARKS:</b> SAT as requested. Procedure Satisfactory for GNSS operations, DME/DME awaiting AFS/ WAJR approval.		
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<b>DME/DME STATUS:</b> <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<b>SPECIALIST SIGNATURE:</b> robert ctr ellis @ 03/24/2020 13:39	<b>PRINTED NAME:</b> Ellis, Robert E
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<b>SPECIALIST REMARKS:</b>
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## IN-FLIGHT OBSTACLE REPORT

<b>OBSTRUCTION ID #:</b>	<b>COORDINATES OR LOCATION:</b>	<b>GNSS ALTITUDE (MSL):</b>	<b>BAROMETRIC ALTITUDE (MSL):</b>	<b>HEIGHT ABOVE GROUND LEVEL:</b>
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## FIPC DME/DME FORM

<b>PROCEDURE:</b> STAR MADII (RNAV) FIVE CHICAGO IL KORD		<b>AIRPORT NAME:</b> CHICAGO O'HARE INTL		<b>AIRPORT ID:</b> KORD	<b>SPECIAL CONTROL NO:</b> BG-02-040-20
<b>FAC ID:</b> MADII5		<b>CITY:</b> CHICAGO		<b>ST:</b> IL	<b>ORIG CHART DATE:</b> 05/21/2020
<b>DFL TYPE:</b> PROC/D	<b>THIRD PARTY:</b> <input type="checkbox"/> YES	<b>EST. TIME ON SITE:</b> 1.0	<b>REIMB. NUMBER:</b> AC0721	<b>PTS TASK ID:</b>	

## PREFLIGHT NOTES

<b>REVIEWER:</b> scott wiebe	<b>DATE:</b> 03/16/2020			
<b>COMMENTS:</b>	<b>CHECK ONE:</b> <input checked="" type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT			
	<table><tr><td></td><td><b>YES</b></td><td><b>NO</b></td></tr></table>		<b>YES</b>	<b>NO</b>
		<b>YES</b>	<b>NO</b>	
<b>CPV COMPLETE?</b>	<table><tr><td><input checked="" type="checkbox"/> X</td><td></td></tr></table>	<input checked="" type="checkbox"/> X		
<input checked="" type="checkbox"/> X				

## PROCEDURE RESULTS

<b>INSPECTION DATE:</b> 03/15/2020	<b>CREW #:</b> VN219	<b>N #:</b> N67	<b>INSTRUMENT PROCEDURE STATUS:</b> <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT	<b>ARINC CODING:</b> <input type="checkbox"/> SAT <input checked="" type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT
<b>FLIGHT INSPECTOR SIGNATURE:</b> scott wiebe @ 03/16/2020 03:07			<b>PRINTED NAME:</b> WIEBE, GREGORY SCOTT	<b>NOTAM INITIATED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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<b>DME/DME STATUS:</b> <input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<b>SPECIALIST SIGNATURE:</b>	<b>PRINTED NAME:</b>
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<b>SPECIALIST REMARKS:</b>
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## IN-FLIGHT OBSTACLE REPORT

<b>OBSTRUCTION ID #:</b>	<b>COORDINATES OR LOCATION:</b>	<b>GNSS ALTITUDE (MSL):</b>	<b>BAROMETRIC ALTITUDE (MSL):</b>	<b>HEIGHT ABOVE GROUND LEVEL:</b>
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**SIGNED/COMPLETE (REC 03/25/2020)**

As part of the Flight Standards Official Distribution process for all Special Instrument Approach Procedures (IAPs), Waiver/Approval requests, defined in Flight Standards Quality Management Systems (QMS), Procedure Review Board (PRB) and FAA Order 8260.60, copies of the final signed procedures can be viewed at the links provided below:

6. **Approval Request**

**CHICAGO O'HARE INTL, CHICAGO, IL, United States**

"MADII FIVE (RNAV) STAR"

[A IL Chicago ORD MADII FIVE \(RNAV\) STAR V2.pdf](#)



(MADII.MADII5) FIG

AL-166 (FAA)

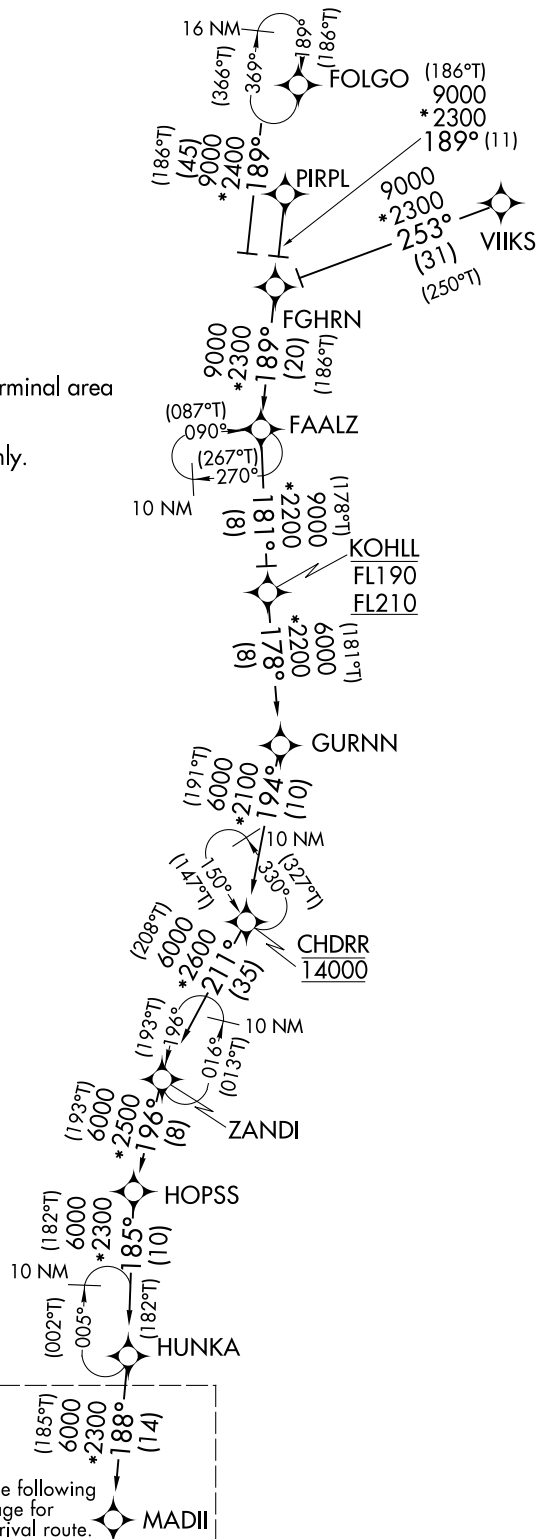
# MADII FIVE ARRIVAL (RNAV) Transition Routes

CHICAGO O'HARE INTL (ORD)  
CHICAGO, ILLINOIS

D-ATIS  
135.4 282.225  
CHICAGO APP CON  
119.0 292.125

NOTE: RADAR required.  
NOTE: RNAV 1.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: ZANDI Enroute transition: For Milwaukee terminal area departures only.  
NOTE: FOLGO Enroute transition: ATC assigned only.

CHDRR TRANSITION (CHDRR.MADII5):  
FAALZ TRANSITION (FAALZ.MADII5):  
FGHRN TRANSITION (FGHRN.MADII5):  
FOLGO TRANSITION (FOLGO.MADII5):  
KOHLL TRANSITION (KOHLL.MADII5):  
PIRPL TRANSITION (PIRPL.MADII5):  
VILKS TRANSITION (VILKS.MADII5):  
ZANDI TRANSITION (ZANDI.MADII5):



(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

See following  
page for  
arrival route.

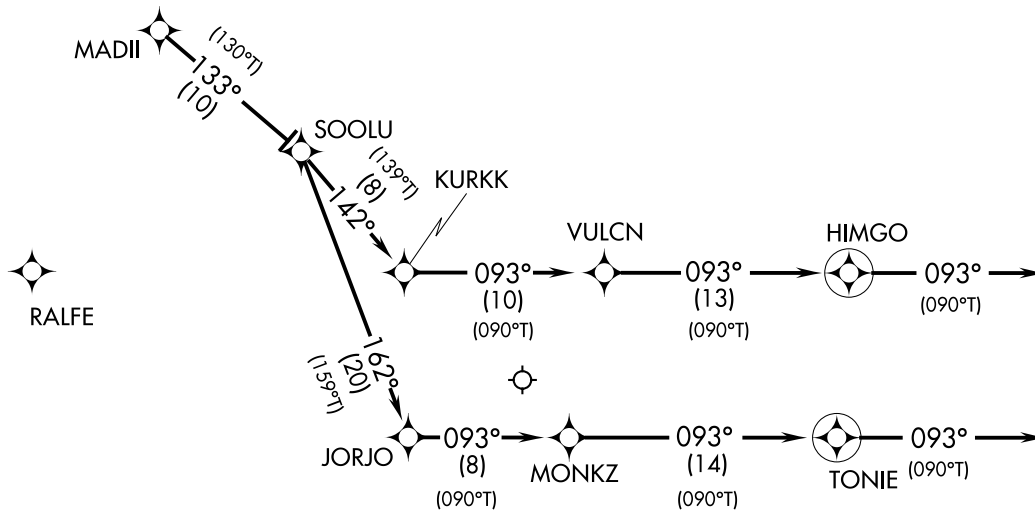
MADII FIVE ARRIVAL (RNAV) Transition Routes  
(MADII.MADII5) FIG

CHICAGO, ILLINOIS  
CHICAGO O'HARE INTL (ORD)

AUTOMATED AL-166 MADII ARRIVAL

EC-3  
01-27-2020  
COMPILER: CMN  
REVIEWER: (JG)  
DBL CHKR:  
EFF: FIG

D-ATIS  
135.4 282.225  
CHICAGO APP CON  
119.0 292.125



NOTE: RADAR required.  
NOTE: RNAV 1.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: Chart not to scale.

#### ARRIVAL ROUTE DESCRIPTION

From MADII on track 133° to SOOLU.

LANDING RUNWAYS 4L/R, 9L/R, 10L/C/R, 22L/R, 27L/R: From SOOLU on track 142° to KURKK, then on track 093° to VULCN, then on track 093° to HIMGO, then on track 093°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 28L/C/R: From SOOLU on track 162° to JORJO, then on track 093° to MONKZ, then on track 093° to TONIE, then on track 093°. Expect RADAR vectors to final approach course.

AUTOMATED AL-166 MADII ARRIVAL CONT.

(MADII.MADII4) 19003

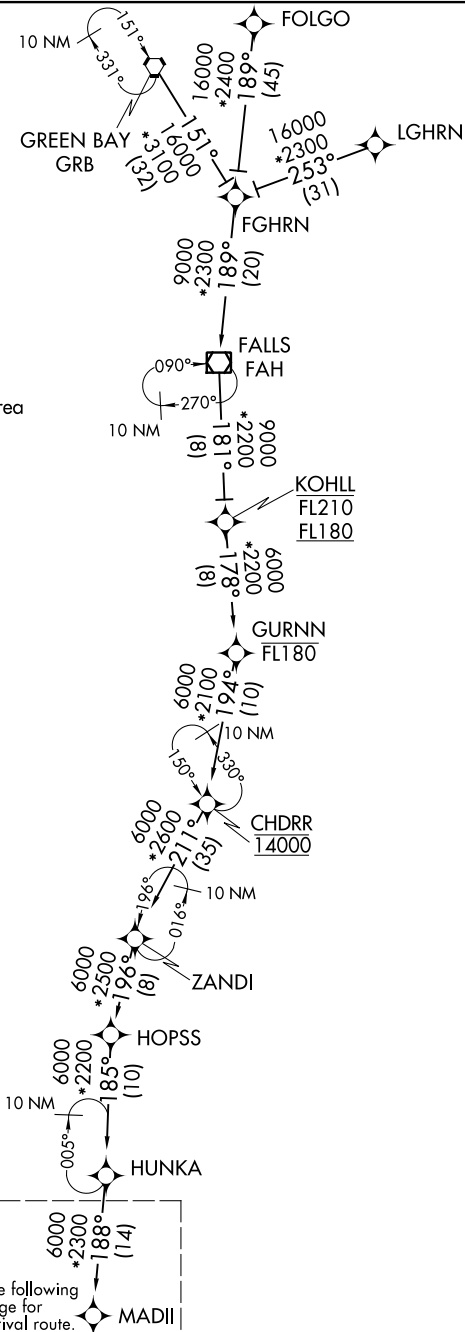
# MADII FOUR ARRIVAL (RNAV) Transition Routes

CHICAGO O'HARE INTL (ORD)  
CHICAGO, ILLINOIS

D-ATIS  
135.4 282.225  
CHICAGO APP CON  
119.0 292.125

- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: ZANDI transition: For Milwaukee terminal area departures only.

- CHDRR TRANSITION (CHDRR.MADII4):
- FALLS TRANSITION (FAH.MADII4):
- FGHRN TRANSITION (FGHRN.MADII4):
- FOLGO TRANSITION (FOLGO.MADII4):
- GREEN BAY TRANSITION (GRB.MADII4):
- KOHL TRANSITION (KOHL.MADII4):
- LGHRN TRANSITION (LGHRN.MADII4):
- ZANDI TRANSITION (ZANDI.MADII4):



(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

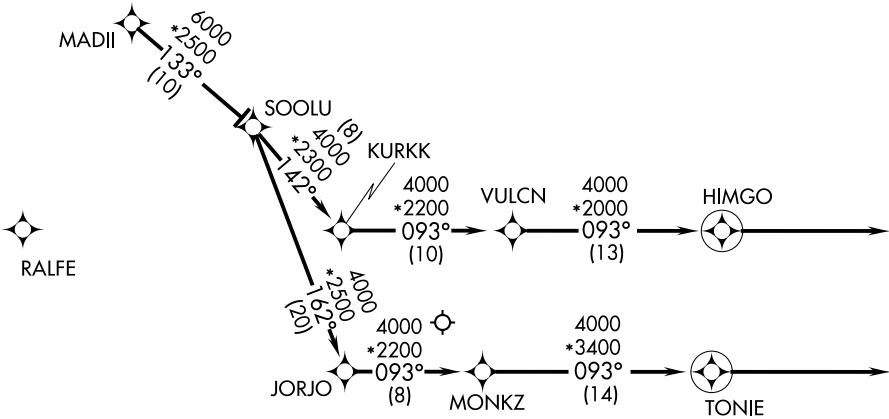
MADII FOUR ARRIVAL (RNAV) Transition Routes  
(MADII.MADII4) 03JAN19

CHICAGO, ILLINOIS  
CHICAGO O'HARE INTL (ORD)

EC-3, 05 DEC 2019 to 02 JAN 2020

EC-3, 05 DEC 2019 to 02 JAN 2020

D-ATIS  
135.4 282.225  
CHICAGO APP CON  
119.0 292.125



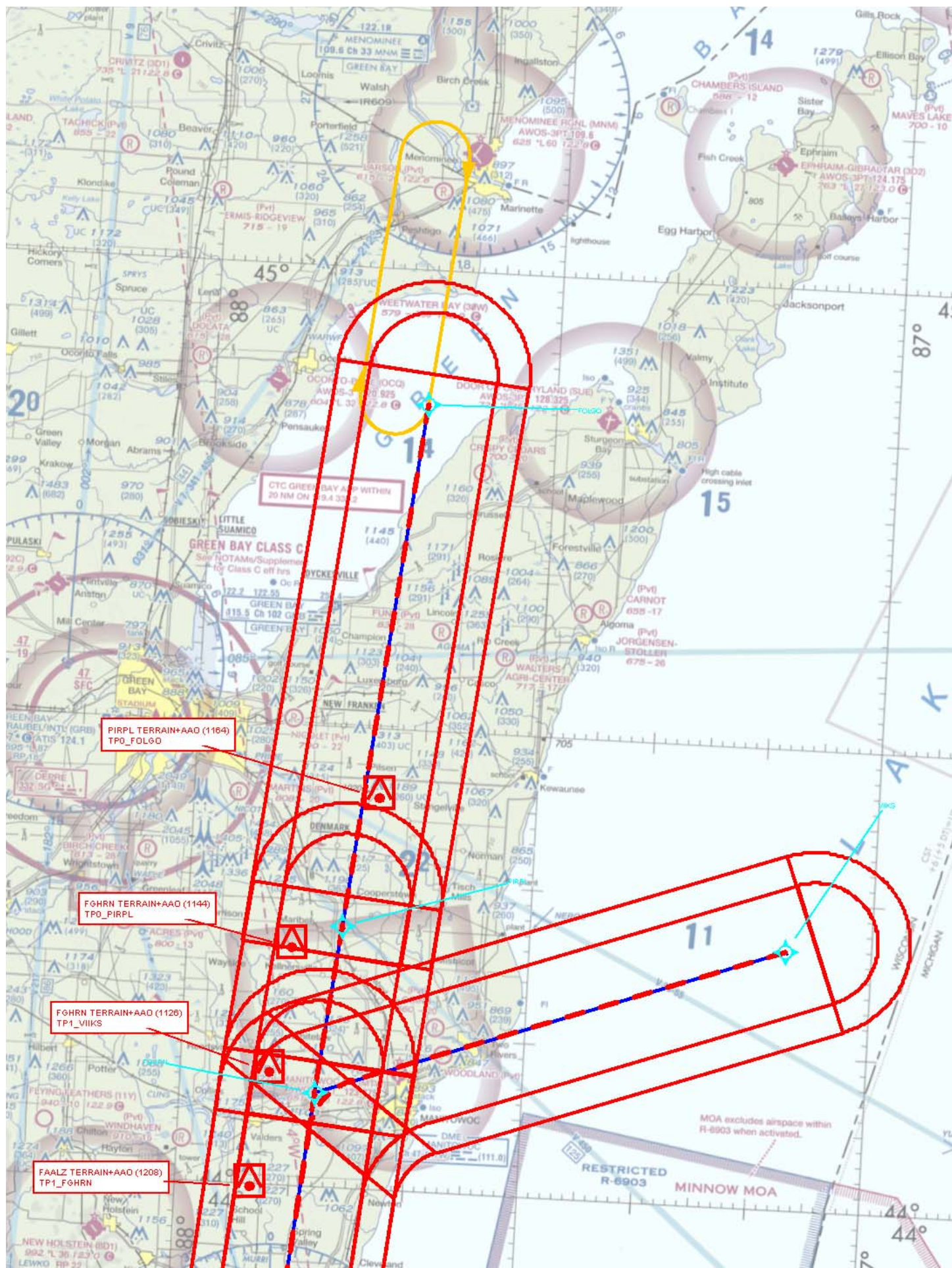
NOTE: RADAR required.  
NOTE: RNAV 1.  
NOTE: DME/DME/IRU or GPS required.  
NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

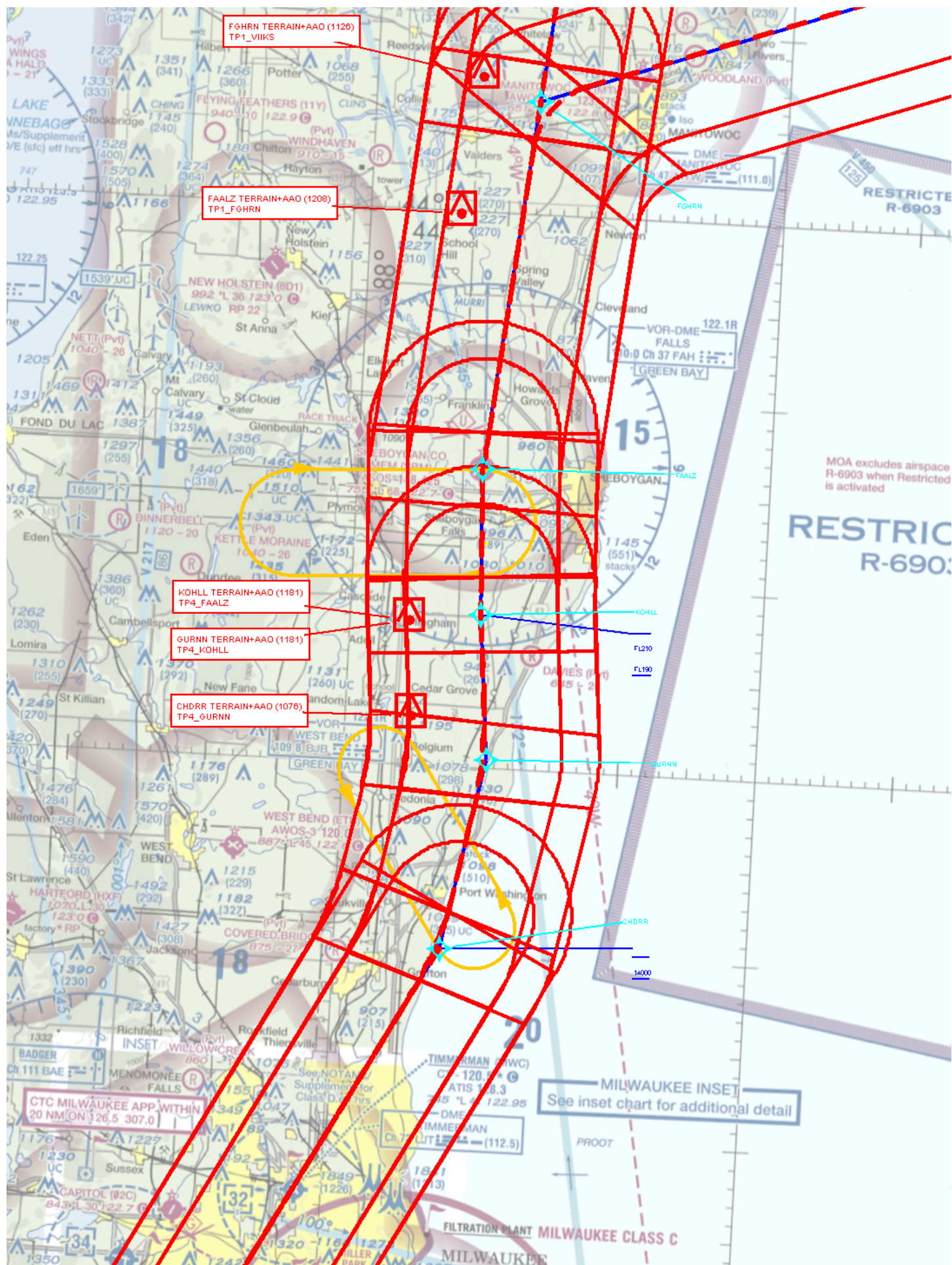
From MADII on track 133° to SOOLU.

LANDING RUNWAYS 4L/R, 9L/R, 10L/C/R, 22L/R, 27L/R: From SOOLU on track 142° to KURKK, then on track 093° to VULCN, then on track 093° to HIMGO, then on track 093°. Expect RADAR vectors to final approach course.

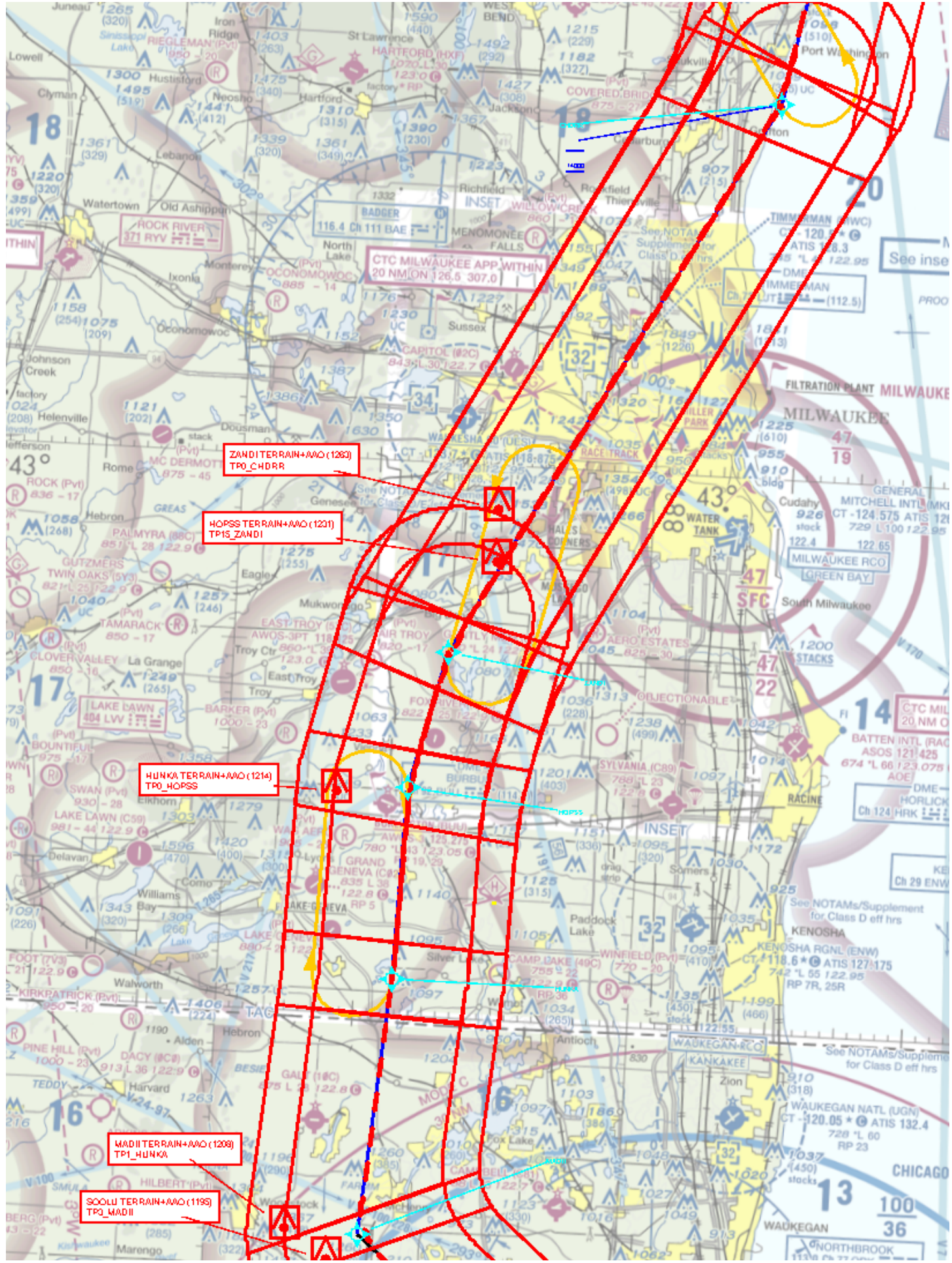
LANDING RUNWAYS 28L/C/R: From SOOLU on track 162° to JORJO, then on track 093° to MONKZ, then on track 093° to TONIE, then on track 093°. Expect RADAR vectors to final approach course.











ROCK RIVER  
371 RYV 177

CTC MILWAUKEE APP WITHIN  
20 NM ON 126.5 307.0

ZANDI TERRAIN+AWO (1263)  
TPO\_CHDRR

HOPSS TERRAIN+AWO (1201)  
TPIS\_ZANDI

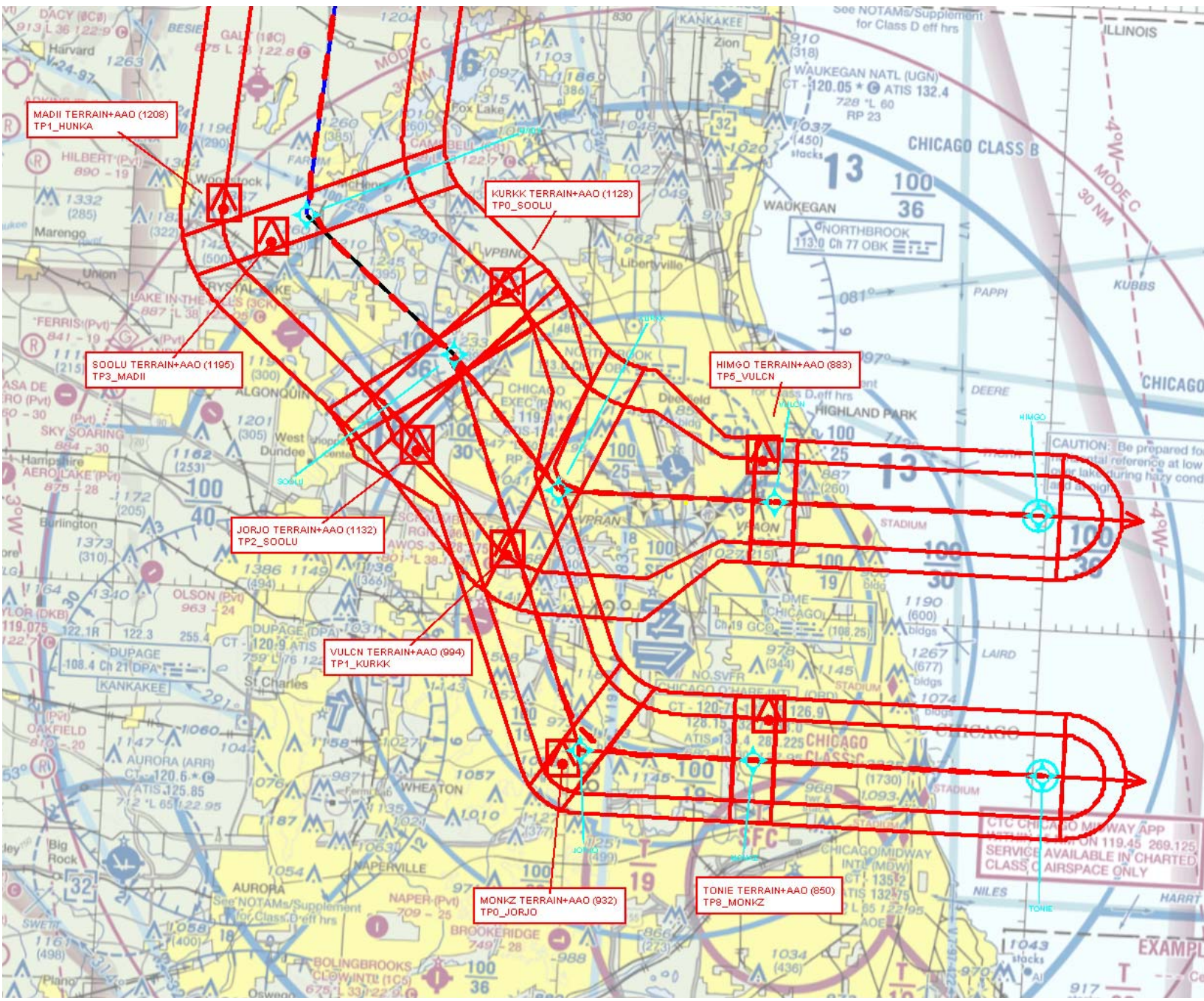
LAKE LAWN  
404 LWL 177

HUNKA TERRAIN+AWO (1214)  
TPO\_HOPSS

MADII TERRAIN+AWO (1208)  
TPI\_HUNKA

SOOLI TERRAIN+AWO (1195)  
TPO\_MADII





MADII TERRAIN+AAO (1208)  
TP1\_HUNKA

KURKK TERRAIN+AAO (1128)  
TP0\_S00LU

S00LU TERRAIN+AAO (1195)  
TP3\_MADII

HIMGO TERRAIN+AAO (883)  
TP5\_VULCN

JORJO TERRAIN+AAO (1132)  
TP2\_S00LU

VULCN TERRAIN+AAO (994)  
TP1\_KURKK

MONKZ TERRAIN+AAO (932)  
TP0\_JORJO

TONIE TERRAIN+AAO (850)  
TP8\_MONKZ

CTC CHICAGO MIDWAY APP  
SERVICE AVAILABLE IN CHARTED  
CLASS C AIRSPACE ONLY



**Federal Aviation Administration  
Categorical Exclusion Declaration  
Chicago O'Hare International Airport  
Chicago, Illinois**

Description of Action:

This action is to amend the ERNNY and MADDI RNAV Standard Terminal Arrival Routes into O'Hare International Airport (ORD) due to the decommissioning of the FALLS VORTAC identifier FAH, which will decommission on 5/21/20. Route changes resulting from these amendments will occur only over Lake Michigan, with no changes over land. The attachments, along with the ERNNY Comparison and MADDI Comparison depict the changes.

Declaration of Exclusion:

The FAA has reviewed the above referenced proposed action and has determined, by the undersigned, to be categorically excluded from further environmental documentation according to Order 1050.1F, "Environmental Impacts: Policies and Procedures". The implementation of this action will not result in any extraordinary circumstances in accordance with Order 1050.1F.

Basis for this Determination:

This review was conducted in accordance with policies and procedures in Department of Transportation Order 5610.1C, "Procedures for Considering Environmental Impacts" and FAA Order 1050.1F. The implementation of the proposed actions will not create any extraordinary circumstances, as described in these orders.

The applicable categorical exclusion(s) are: FAA Order 1050.1F, **5-6.5.:**

p. Establishment of new procedures that routinely route aircraft over non-noise sensitive areas. (ATO, AVS)

Recommended by:

JOSEPH  
TIMOTHY BOCIK

Digitally signed by JOSEPH  
TIMOTHY BOCIK  
Date: 2019.10.16 12:18:50  
-05'00'

Date: \_\_\_\_\_

Joseph Bocik, Operations Supervisor, Chicago ARTCC, Airspace & Procedures

Concurrence:

Nan Terry

Digitally signed by Nan  
Terry  
Date: 2019.10.16  
12:28:18 -05'00'

Date: \_\_\_\_\_

Nan Terry – Central Service Center Environmental Specialist

Approved by:

STEVEN L  
SZUKALA

Digitally signed by  
STEVEN L SZUKALA  
Date: 2019.10.18  
04:59:43 -05'00'

Date: \_\_\_\_\_

Steve Szukala, Manager (A), Operations Support Group, ATO Central Service Center, AJV-C2