

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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> KEOP	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> WAVERLY	<u>STATE</u> OH		
<u>AIRPORT ELEVATION</u> 661	<u>TDZE</u> 661	<u>SUPERSEDED</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 10/07/2021	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<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>
SHIRT		FIMOJ		TF	FB	1.00	154.52	31.77	3000
FIMOJ	IAF	TUKIW		TF	FB	1.00	157.89	7.00	3000
GIJWE	IAF	TUKIW		TF	FB	1.00	338.07	7.00	3000
TUKIW	IF	UBDOW		TF	FB	1.00	067.97	6.73	2300
UBDOW	FAF	WETBI/2.11 NM TO RW07		TF	FB	0.30	068.05	2.21	
WETBI/2.11 NM TO RW07		RW07	MAP	TF	FO	0.30	068.05	2.11	
RW07	MAP	1061 MSL		CA			068.05		
1061 MSL		IGMIY		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LP: RW07
 LNAV: RW07

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT IGMIY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



8. MSA FROM: RW07 3100

ALTERNATE: NA ☒

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
LP MDA	1080	1	419	1080	1	419	1080	1 1/8	419	1080	1 1/8	419		QUALITY 10 CHECKED	
LNAV MDA	1340	1	679	1340	1	679	1340	1 7/8	679	1340	1 7/8	679			
CIRCLING	1500	1 1/4	839	1520	1 1/4	859	1580	2 3/4	919	1700	3	1039			

CHANGES - REASONS

1. TERMINAL ROUTES: REMOVED FEEDER ROUTE YRK VORTAC TO GIJWE - PER FPT REQUEST.
2. TERMINAL ROUTES: CHANGED FIMOJ TO TUKIW COURSE / DISTANCE FROM "157.90 / 6.30" TO "157.89 / 7.00" - TO SUPPORT ATC VECTORS.
3. TERMINAL ROUTES: CHANGED GIJWE TO TUKIW COURSE / DISTANCE FROM "338.06 / 6.30" TO 338.07 / 7.00" - TO SUPPORT ATC VECTORS.
4. TERMINAL ROUTES: CHANGED SHIRT TO FIMOJ COURSE / DISTANCE FROM "154.59 / 32.47" TO "154.52 / 31.77" - TO ALIGN WITH NEW INITAL FIX POSITION.
5. TERMINAL ROUTES: CHANGED UBDOW TO WETBI COURSE / DISTANCE FROM "68.04 / 2.54" TO "68.05 / 2.21" - TO ALIGN WITH NEW FAF POSITION.
6. TERMINAL ROUTES: CHANGED WETBI TO RWY 7 COURSE / DISTANCE FROM "68.04 / 2.50" TO "68.05 / 2.11" - TO ALIGN WITH NEW STEPDOWN POSITION.
7. TERMINAL ROUTES: CHANGED CA LEG COURSE FROM " 68.04" TO "68.05" - TO ALIGN WITH NEW STEPDOWN POSITION.
8. TERMINAL ROUTES: CHANGED TUKIW TO UBOW DISTANCE FROM "6.01" TO "6.73" - TO ALIGN WITH NEW FAF POSITION.
9. NOTES: REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YRK VORTAC ON AIRWAY RADIALS 276 CW 062 - PER FPT.
10. ADDITIONAL FLIGHT DATA: CHANGED "CHART FAS OBST: 985 TOWER (39-004353) 390849N/0825901W, 769 (39-046547) TREE 390931N/0825639W." TO "959 TREE (39-049194) 390948.34N/0825753.94W, 769 (39-046547) TREE 390931N/0825639W."- NEW TARGETS RESULTS.
11. PROFILE: CHANGED LINE 3 FAC FROM "68.04" TO "68.05" - TO ALIGN WITH NEW FAF POSITION.
12. PROFILE: CHANGED LINE 3 DIST FAF TO MAP: / DIST FAF TO THLD: FROM 5.04 / 5.04 TO 4.32 / 4.32. - TO ALIGN WITH NEW FAF POSITION.
13. TERMINAL ROUTES: CHANGED ALL INSTANCES OF WETBI/2.50 NM TO RW07" TO " WETBI/2.11 NM TO RW07" - TO ALIGN WITH NEW STEPDOWN POSITION.

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZID, DAY ATCT, AMGR

FLIGHT CHECKED BY

MICHAEL A GREENWOOD

OFFICE

FPO

DATE

04/14/2023

Digitally signed by

ERIC N SUSKI

Apr 18, 2023

DEVELOPED BY

ERIC N SUSKI (ZACHARY KRUEGER)

OFFICE

AJV-A431

DATE

12/21/2022

Digitally signed by

ERIC N SUSKI

Jan 20, 2023

APPROVED BY

ERIC N SUSKI

OFFICE

AJV-A431

DATE

TITLE

MANAGER

Digitally signed by

ERIC N SUSKI

Jan 20, 2023



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEOP
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	390949.7625N
LTP/FTP LONGITUDE	0825609.4655W
LTP/FTP ELLIPSOIDAL HEIGHT	+01671
FPAP LATITUDE	391031.4860N
FPAP LONGITUDE	0825428.2110W
THRESHOLD CROSSING HEIGHT (TCH)	0.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	0.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1256
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	59A44E76

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02007
FPAP ORTHOMETRIC HEIGHT	+02007



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

<u>AIRPORT ID</u> KEOP	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 7	<u>AMDT NO.</u> 2	<u>CITY</u> WAVERLY	<u>STATE</u> OH	<u>AIRPORT ELEVATION</u> 661	<u>FACILITY</u> RNAV
---------------------------	---	----------------------	------------------------	--------------------	---------------------------------	-------------------------

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
SHIRT

TO
FIMOJ

<u>RNP</u>	<u>DISTANCE</u> 31.77	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<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 (39-001969)	391535.00N/0831416.00W		1655	500	125	5E	1000				AT345	3000
TERRAIN	391536.00N/0831415.00W		1336 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
FIMOJ

TO
TUKIW

<u>RNP</u>	<u>DISTANCE</u> 7.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<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 (39-003989)	390843.12N/0831256.78W		1611	250	50	4D	1000				AT389	3000
TERRAIN	390957.00N/0081439.00W		1266 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:



INITIAL

FROM
GIJWE

TO
TUKIW

RNP	DISTANCE 7.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	390000.00N/0830412.00W		1391	164	98	4E	1000				AC98 AT511	3000
TERRAIN	390000.00N/0830412.00W		1190 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
TUKIW

TO
UBDOW

<u>RNP</u>	<u>DISTANCE</u> 6.73	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<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	390839.00N/0830427.00W		1398	164	98	4E	500				AC98 AT304	2300
TERRAIN	390839.00N/0830427.00W		1197 (1200)								AS1000	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LP

FROM
UBDOW

TO
WETBI/2.11 NM TO RW07

RNP	DISTANCE 2.21	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (39-001591)	390750.00N/0830046.00W		1162	100	20	3C	250				RA47 DG21	1480

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LP STEPDOWN

FROM
WETBI/2.11 NM TO RW07

TO
RW07

RNP	DISTANCE 2.11	PAT	MAP RW07	HAT 419			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (39-046547)	390930.55N/0825638.86W		769	20	3	1A	250				RA47	1080

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL: LNAV

FROM
UBDOW

TO
WETBI/2.11 NM TO RW07

RNP	DISTANCE 2.21	PAT	MAP	HAT			HMAS						
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
TOWER (39-001591)	390750.00N/0830046.00W		1162	100	20	3C	250				RA47 AT21	1480	

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM
WETBI/2.11 NM TO RW07

TO
RW07

RNP	DISTANCE 2.11	PAT	MAP RW07	HAT 679			HMAS						
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
TREE (39-049194)	390948.34N/0825753.94W		959	20	3	1A	250				RA47 AT94 SA-10	1340	

COMPUTATIONS

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

SEGMENT REMARKS:



MISSED APPROACH : LP

FROM
RW07

TO
IGMIY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 933					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	391348.00N/0824921.00W		1231	164	98	4E	1000					2300
TERRAIN	391348.00N/0824921.00W		1030 (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 : LNAV

FROM
RW07

TO
IGMIY

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1193					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
AAO	391348.00N/0824921.00W		1231	164	98	4E	1000					2300
TERRAIN	391348.00N/0824921.00W		1030 (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											
TREE	391105.56N/0825628.12W	1.30	839	1139	50	20	2C	300		RA47	1500
CATEGORY B											
TREE	391200.32N/0825539.66W	1.83	859	1159	50	20	2C	300		RA47	1520
CATEGORY C											
TREE	391225.05N/0825712.48W	2.87	919	1219	50	20	2C	300		RA47	1580
CATEGORY D											
AAO	390619.00N/0825444.80W	3.76	1039	1340	50	20	2C	300		RA47	1700

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW07	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (39-000617)	384542.00N/0830341.00W	200	24.8	2043	250	50	4D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

FLIGHT INSPECTION RESULTS DO NOT WARRANT A VDA.

.
LPV, LNAV/VNAV NOT DEVELOPED - VGS PENETRATIONS
748 TREE (39-048660) 390938.20N/0825632.82W (15.38)
724 TREE (39-045552) 390941.82N/0825627.11 (11.24)
717 TREE (39-041016) 390941.04N/0825624.46 (8.67)
745 TREE (39-041205) 390936.63N/0825634.01W (6.89)
662 LIGHTING (39-046532) 390950.26N/0825610.39W (3.4)
662 LIGHTING (39-049502) 390948.88N/0825609.44W (3.4)
674 TRAVERSE WAY (39-047818) 390946.65N/0825614.37W (0.2)

PROCEDURE NA AT NIGHT - UNMITIGATED 20:1 OBSTACLES FOR BOTH RUNWAYS.

PER IFP CHECKLIST: VEGETATION: 100 FT



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZID ARTCC, DAY FSS

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> KPMH	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KPMH	<u>DISTANCE</u> 19.93	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 47
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> KRZT	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KRZT	<u>DISTANCE</u> 16.94	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 47

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME KEOP 661, KPMH 663, RA = 46.2.
RASS PRESSURE PATTERNS THE SAME KEOP 661, KRZT 712, RA = 46.2.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW07 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-G	
RW25 - MIRL (PCL), REIL (PCL), PAPI-4L (PCL)		NPI-G	

<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> 4.00	<u>TCH</u> 37.2
-------------------------	---------------------------	------------	------------------------	--------------------------	---------------------------	--------------------

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>
---------------------	----------------------	------------	----------------

CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 7		
20:1			
673 POLE (39-066314) 390946.10N/0825612.28W (5.94)		674 TRAVERSE_WAY (39-047818) 390946.65N/0825614.37W (0.96)	
Final Type	LP AND LNAV		
20:1			
673 POLE (39-066314) 390946.10N/0825612.28W (5.94)		674 TRAVERSE_WAY (39-047818) 390946.65N/0825614.37W (0.96)	
Final Type	LP AND LNAV		
34:1			
748 TREE (39-048660) 390938.20N/0825632.82W (31.37)		736 TREE (39-049201) 390945.02N/0825632.76W (28.99)	
745 TREE (39-041203) 390936.89N/0825631.67W (28.9)		746 TREE (39-042904) 390935.80N/0825631.60W (28.52)	
750 TREE (39-045591) 390935.09N/0825633.78W (27.07)		724 TREE (39-045552) 390941.82N/0825627.11W (24.1)	
745 TREE (39-041205) 390936.63N/0825634.01W (23.74)		717 TREE (39-041016) 390941.04N/0825624.76W (20.82)	
763 TREE (39-042907) 390930.15N/0825640.44W (19.56)		745 TREE (39-041206) 390934.11N/0825634.39W (19.46)	
754 TREE (39-049225) 390932.45N/0825637.95W (18.86)		760 TREE (39-041209) 390931.25N/0825640.30W (18.37)	
703 TREE (39-041684) 390941.60N/0825620.60W (16.12)		698 TREE (39-049326) 390942.81N/0825619.09W (15.9)	
732 TREE (39-066443) 390937.95N/0825634.46W (11.66)		710 TREE (39-045546) 390940.69N/0825625.97W (10.86)	
722 TREE (39-044137) 390937.41N/0825629.98W (10.08)		722 TREE (39-047813) 390936.31N/0825630.08W (8.34)	
740 TREE (39-047486) 390932.91N/0825636.67W (8.12)		717 TREE (39-047497) 390937.38N/0825628.58W (7.91)	
674 TRAVERSE_WAY (39-041091) 390947.40N/0825615.25W (6.15)		730 TREE (39-042384) 390936.67N/0825635.51W (5.73)	
695 TREE (39-045544) 390940.95N/0825621.93W (4.49)		699 TREE (39-047494) 390939.97N/0825623.25W (4.43)	
738 TREE (39-049507) 390933.74N/0825638.12W (4.31)		717 TREE (39-041021) 390938.26N/0825631.03W (4.12)	
673 TRAVERSE_WAY (39-046571) 390947.99N/0825616.27W (3.88)		731 TREE (39-049222) 390934.84N/0825635.72W (3.75)	
704 TREE (39-044136) 390942.40N/0825628.78W (1.49)		704 TREE (39-049200) 390941.12N/0825628.39W (0.5)	
740 TREE (39-049508) 390932.29N/0825640.04W (0.35)		729 TREE (39-041207) 390933.66N/0825635.64W (0.27)	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS



and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:
VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1 SURFACE; REMOTE PRIMARY ALTIMETER IN USE.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<div>AIRPORT ID KEOP</div>	<div>PROCEDURE NAME RNAV (GPS) RWY 7</div>	<div>AMDT NO. 2</div>	<div>CITY WAVERLY</div>	<div>STATE OH</div>	<div>AIRPORT ELEVATION 661</div>	<div>FACILITY RNAV</div>
--------------------------------	--	---------------------------	-----------------------------	-------------------------	--------------------------------------	------------------------------

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	4.04
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	062.05
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1000
DISTANCE FROM	THLD	TO 1500FT POINT	10.25
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	061.97
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	1200

THRESHOLD
COORDINATES
(IF STR-IN)

390949.76N/0825609.47W

ARP COORDINATES

391001.10N/0825542.00W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 25 DISTANCE 0.40 NM

FAF
COORDINATES

390748.36N/0830103.60W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY
10
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 10 of 11

PART E: PREPARED BY

<u>NAME</u> ERIC N SUSKI (ZACHARY KRUEGER)	<u>OFFICE</u> AJV-A431	<u>DATE</u> 12/21/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
---	---------------------------	---------------------------	---

