

**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> 7G8	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> MIDDLEFIELD	<u>STATE</u> OH		
<u>AIRPORT ELEVATION</u> 1174	<u>TDZE</u> 1172	<u>SUPERSEDED</u> RNAV (GPS) RWY 11	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 9W	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 019/30 CW 199/30	NOPT	EYIKY	IF/IAF	3100
2. 199/30 CW 019/30		EYIKY	IF/IAF	3100

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
EYIKY	IF/IAF	CUNEG		TF	FB	1.00	108.76	7.81	2900
CUNEG	FAF	UJUXU/2.30 NM TO RW11		TF	FB	0.30	108.87	3.00	
UJUXU/2.30 NM TO RW11		RW11	MAP	TF	FO	0.30	108.87	2.30	
RW11	MAP	1574 MSL		CA			108.87		
1574 MSL		ZESAK		DF	FO	1.00			4000

**MISSED APPROACH**

**MAP:**

LP: RW11  
LNAV: RW11

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 4000 DIRECT ZESAK AND HOLD, CONTINUE CLIMB-IN-HOLD 4000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD W EYIKY, RT, 108.76 INBOUND, 3100 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 108.87FAF: CUNEGDIST FAF TO MAP: 5.30DIST FAF TO THLD: 5.30

4. MIN ALT: EYIKY 3100, CUNEG 2900, UJUXU/2.30 NM TO RW11 1940

5. DIST TO THLD FROM FAF: 5.30MM:IM:150 HAT:GS ANT:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: USE YOUNGSTOWN/WARREN ALTIMETER SETTING; WHEN NOT RECEIVED, USE CUYAHOGA COUNTY ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET AND INCREASE LNAV CAT C AND CIRCLING CAT C VISIBILITIES 1/4 SM.  
CHART NOTE: STRAIGHT-IN RWY 11 NA AT NIGHT, CIRCLING RWY 11 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART YOUNGSTOWN/WARREN ASOS  
HOLD E, RT, 289.10 INBOUND.  
CHART FAS OBST: 1369 TREE (39-062619) 412700N/0810714W, 1324 TREE (39-062120) 412703N/0810537W.  
WAAS CHANNEL # 97633  
REFERENCE PATH ID: W11A  
CHART CIRCLING ICON.  
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.  
LTP HAE: 323.3 M

MINIMUMS:

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

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	1640	1	468	1640	1	468	1640	1 3/8	468		NA				
LNAV MDA	1680	1	508	1680	1	508	1680	1 3/8	508		NA				
CIRCLING	1760	1	586	1760	1	586	1900	2	726		NA				



**CHANGES - REASONS**

1. INCORPORATED P-NOTAM AMDTS ORIG-A (5/4375) AND ORIG-B (7/4283).
2. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 4000 DIRECT ZESAK AND HOLD" TO "CLIMB TO 4000 DIRECT ZESAK AND HOLD, CONTINUE CLIMB-IN-HOLD 4000" - NEW TARGETS RESULTS.
3. PROFILE LINE 2: ADDED MAX 6000 - 8260.19I 8-6-7. B (2).
4. PROFILE LINE 5: ADDED DIST TO THLD FROM FAF: 5.30 - 8260.19I 8-6-7. E.
5. PROFILE LINE 7: ADDED 20:1 IS NOT CLEAR - NEW SURVEY/ NEW TARGETS RESULTS.
6. PBN REQUIREMENTS NOTE: REMOVED DME/DME RNP -0.3 NA AND REPLACED WITH RNP APCH - GPS - 8260.19I 8-6-8. B.
7. NOTES: CHANGED BACK-UP ALTIMETER NOTE FROM "USE YOUNGSTOWN-WARREN ALTIMETER SETTING; WHEN NOT RECEIVED, USE CUYAHOGA COUNTY ALTIMETER SETTING AND INCREASE ALL MDA 40 FT AND INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE" TO "USE YOUNGSTOWN-WARREN ALTIMETER SETTING; WHEN NOT RECEIVED, USE CUYAHOGA COUNTY ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET AND INCREASE LNAV CAT C AND CIRCLING CAT C VISIBILITIES 1/4 SM" - NEW VISIBILITY CHECKS.
8. NOTES: CHANGED "HELICOPTER VISIBILITY REDUCTION-BELOW 1SM NOT AUTHORIZED" TO "RWY 11 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED." - NEW FORMAT CRITERIA/ 8260.19I 8-6-11 K. (3).
9. NOTES: REMOVED "PROCEDURE NA AT NIGHT" AND REPLACED WITH "CHART NOTE: STRAIGHT-IN RWY 11 NA AT NIGHT, CIRCLING RWY 11 NA AT NIGHT" - NO VGSI/20:1 PENETRATIONS/ 8260.19I, 8-6-11 O. (2) (H). NOTE.
10. ADDITIONAL FLIGHT DATA: ADDED CHART YOUNGSTOWN-WARREN ASOS - 8260.19I 8-2-4 B. 3.
11. ADDITIONAL FLIGHT DATA: REMOVED "CHART FAS OBST: 1329 TREE 412703N/0810544W" AND REMOVED "CHART: 1369 TREE 412704N/0810707W" - NEW CONTROLLING OBSTACLES / NEW SURVEY 8260.19I 8-6-10. C.
12. ADDITIONAL FLIGHT DATA: ADDED "CHART FAS OBST: 1369 TREE (39-062619) 412700N/0810714W, 1324 TREE (39-062120) 412703N/0810537W" - NEW CONTROLLING OBSTACLES / NEW SURVEY 8260.19I 8-6-10. C.
13. CRC REMAINDER CHANGED FROM 63C6EAE2 TO B7CDDEED - LTP/FTP LAT/LONG CHANGED FROM 412701.2190N/0810406.8475W TO 412701.2265N/0810406.8790W, AND FPAP LAT/LONG CHANGED FROM 412645.80000N/0810210.1500W TO 412645.8040N/0810210.1825W - NEW DISPLACED THRESHOLD SURVEY DATA.

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOB ARTCC, CLE APP CON, YNG ATCT, 7G8 AMGR

**FLIGHT CHECKED BY***Digitally signed by***OFFICE****DATE**

JAMES ONIEAL

**LONNIE EVERHART**

FICO

08/01/2021

Jun 02, 2021

*Digitally signed by***DEVELOPED BY****LONNIE EVERHART****OFFICE****DATE**

JON DENTON (APRIL SARMENTO)

Jun 02, 2021

AJV-A432

03/22/2021

**APPROVED BY***Digitally signed by***OFFICE****DATE****TITLE**  
MANAGER

LONNIE EVERHART

**LONNIE EVERHART**

AJV-A430

Jun 02, 2021

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	7G8
RUNWAY	RW11
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	412701.2265N
LTP/FTP LONGITUDE	0810406.8790W
LTP/FTP ELLIPSOIDAL HEIGHT	+03233
FPAP LATITUDE	412645.8040N
FPAP LONGITUDE	0810210.1825W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	B7CDDEED

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03572
FPAP ORTHOMETRIC HEIGHT	+03572

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

<u>AIRPORT ID</u> 7G8	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 11	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> MIDDLEFIELD	<u>STATE</u> OH	<u>AIRPORT ELEVATION</u> 1174	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM  
019/30 CW 199/30

TO  
EYIKY

<u>RNP</u>	<u>DISTANCE</u>	<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>
												1.TOWER (39-002035)	412302.00N/0814143.00W	2049	500	50	5D	1000					3100
												2.TERRAIN	412357.00N/0810612.00W	1378 (1400)								AS1500	2900

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM  
199/30 CW 019/30

TO  
EYIKY

<u>RNP</u>	<u>DISTANCE</u>	<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>
												3.TOWER (39-000197)	412754.00N/0811711.00W	2020	100	20	3C	1000					3100
												4.TERRAIN	413151.00N/0811557.00W	1346 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM

EYIKY (IF/IAF)

TO

CUNEG

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	7.81											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (39-000197)	412754.00N/0811711.00W		2020	100	20	3C	500					2600
5.TERRAIN	412906.00N/0811221.00W		1375 (1400)								AS1500	2900

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

SEGMENT REMARKS:

FINAL: LP

FROM

CUNEG

TO

UJUXU/2.30 NM RW11

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	3.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
6.AAO	412808.78N/0810843.36W		1500	50	20	2C	250				RA86 SA-14 DG118	1940

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

SEGMENT REMARKS:



FINAL: LP STEPDOWN

FROM  
UJUXU/2.30 NM TO RW11

TO  
RW11

<u>RNP</u>	<u>DISTANCE</u> 2.30	<u>PAT</u>	<u>MAP</u> RW11	<u>HAT</u> 468			<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>
7.TREE (39-062120)	412703.29N/0810536.57W		1324	20	3	1A	250				RA50	1640

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

FINAL: LNAV

FROM  
CUNEG

TO  
UJUXU/2.30 NM RW11

<u>RNP</u>	<u>DISTANCE</u> 3.00	<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>
8.AAO	412812.30N/0810837.53W		1520	50	20	2C	250				RA86 DG84	1940

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



FINAL: LNAV STEPDOWN

FROM  
UJUXU/2.30 NM TO RW11

TO  
RW11

RNP	DISTANCE 2.30	PAT	MAP RW11	HAT 508	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.TREE (39-062619)	412659.56N/0810714.35W		1369	20	3	1A	250				RA50	1680

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

HOLD-IN-LIEU OF PT

FROM  
EYIKY

TO  
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (39-000197)	412754.00N/0811711.00W		2020	100	20	3C	1000					3100
10.TERRAIN	412733.00N/0811654.00W		1306 (1300)								AS1500	2800

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





**FACILITY**  
RNAV

QUALITY  
29  
CHECKED

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											
13.TOWER (39-062117)	412802.04N/0810245.34W	1.31	586	1387	20	10	1B	300		RA50 XP23	1760
CATEGORY B											
13.TOWER (39-062117)	412802.04N/0810245.34W	1.85	586	1387	20	10	1B	300		RA50 XP23	1760
CATEGORY C											
14.TOWER (39-001835)	412428.00N/0810334.00W	2.91	726	1500	250	50	4D	300		RA50 AC50	1900

CIRCLING REMARKS:

XP TO MAINTAIN CURRENT MINIMUMS .

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

**COMMUNICATIONS WITH**  
CLE APP CON, CLE FSS, CLE ARTCC

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KYNG	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KYNG	<u>DISTANCE</u> 21.119	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 50
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> KCGF	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KCGF	<u>DISTANCE</u> 20.303	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 86

**WX REMARKS:**  
RASS PRESSURE PATTERNS THE SAME  
K7G8 1174, KYNG 1168, KCGF 898  
RA = 49.5, 85.4.

<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>
RW11 - MIRL (PCL), REIL (PCL)		NPI-F	
RW29 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)		NPI-F	

<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>	<u>TCH</u>
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**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	179
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>
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**CRITICAL TEMPERATURE REMARKS:**

**"VISUAL PORTION OF FINAL" PENETRATIONS**

Final Type	CIRCLING RWY 11		
20:1			
1243 BUILDING (39-062142) 412705.37N/0810417.81W (36.38)		1227 TREE (39-069174) 412703.44N/0810414.41W (34.82)	
1215 TREE (39-068854) 412703.91N/0810411.33W (33.96)		1255 TREE (39-063033) 412702.53N/0810422.49W (33.32)	



AIRPORT ID 7G8		PROCEDURE NAME RNAV (GPS) RWY 11	AMDT NO. ORIG-C	CITY MIDDLEFIELD	STATE OH	AIRPORT ELEVATION 1174	FACILITY RNAV
1206 TREE (39-062995) 412702.96N/0810409.34W (33.26)				1260 TREE (39-062448) 412704.11N/0810424.62W (28.95)			
1212 TREE (39-062792) 412703.65N/0810412.40W (27.18)				1239 TREE (39-062147) 412702.53N/0810421.22W (22.08)			
1208 TREE (39-069005) 412702.56N/0810413.50W (20)				1224 POLE (39-062648) 412700.08N/0810418.41W (19.76)			
1250 POLE (39-062941) 412706.69N/0810423.91W (19.35)				1207 TREE (39-062604) 412701.91N/0810413.62W (19.12)			
1268 TREE (39-062393) 412702.25N/0810429.91W (18.73)				1242 TREE (39-063036) 412703.47N/0810422.82W (18.26)			
1249 TREE (39-062944) 412705.42N/0810424.51W (17.21)				1210 TREE (39-062204) 412659.80N/0810415.50W (16.92)			
1204 TREE (39-062607) 412659.87N/0810414.04W (16.33)				1214 TREE (39-062552) 412704.86N/0810415.76W (15.52)			
1261 TREE (39-062543) 412701.49N/0810429.10W (15.43)				1238 POLE (39-063037) 412706.66N/0810421.85W (15.1)			
1187 TREE (39-068714) 412659.79N/0810410.23W (13.69)				1260 TREE (39-062293) 412700.82N/0810429.61W (13.11)			
1212 POLE (39-062559) 412700.83N/0810417.01W (12.35)				1221 TREE (39-062217) 412703.31N/0810418.86W (12.25)			
1196 TREE (39-062791) 412701.22N/0810413.05W (10.86)				1228 TREE (39-062235) 412701.75N/0810421.90W (9.21)			
1212 POLE (39-062722) 412701.36N/0810417.78W (9)				1222 TREE (39-062505) 412701.21N/0810420.73W (8.07)			
1193 TREE (39-062795) 412700.37N/0810413.25W (7.86)				1259 TREE (39-062629) 412701.45N/0810430.70W (7.47)			
1197 TREE (39-062523) 412704.45N/0810414.15W (4.91)				1183 TREE (39-062511) 412703.13N/0810410.77W (4.74)			
1229 TREE (39-063039) 412704.46N/0810422.76W (4.62)				1225 TREE (39-062971) 412703.55N/0810421.95W (4.45)			
1195 BUILDING (39-062468) 412700.63N/0810414.73W (4.08)				1195 BUILDING (39-062473) 412700.62N/0810414.85W (3.64)			
1213 POLE (39-062220) 412701.20N/0810419.52W (3.62)				1199 BUILDING (39-062123) 412701.12N/0810415.82W (3.56)			
1202 BUILDING (39-062551) 412701.11N/0810416.64W (3.5)				1197 TREE (39-062524) 412702.40N/0810415.01W (3.48)			
1194 BUILDING (39-062465) 412700.64N/0810414.64W (3.41)				1199 BUILDING (39-062130) 412700.19N/0810416.27W (2.69)			
1214 TREE (39-062434) 412702.86N/0810419.66W (2.64)				1199 BUILDING (39-062131) 412700.29N/0810416.26W (2.64)			
1199 BUILDING (39-062133) 412700.43N/0810416.25W (2.55)				1216 POLE (39-062528) 412702.41N/0810420.64W (1.36)			
1201 BUILDING (39-062558) 412701.09N/0810416.97W (1.28)				1199 BUILDING (39-062553) 412700.20N/0810416.91W (0.28)			
1199 BUILDING (39-062554) 412700.44N/0810416.90W (0.11)				1194 TRAVERSE_WAY (39-062240) 412701.27N/0810415.40W (0.01)			
Final Type	LP / LNAV RWY 11						
20:1							
1243 BUILDING (39-062142) 412705.37N/0810417.81W (36.38)				1227 TREE (39-069174) 412703.44N/0810414.41W (34.82)			
1215 TREE (39-068854) 412703.91N/0810411.33W (33.96)				1255 TREE (39-063033) 412702.53N/0810422.49W (33.32)			
1206 TREE (39-062995) 412702.96N/0810409.34W (33.26)				1260 TREE (39-062448) 412704.11N/0810424.62W (28.95)			
1212 TREE (39-062792) 412703.65N/0810412.40W (27.18)				1239 TREE (39-062147) 412702.53N/0810421.22W (22.08)			

QUALITY

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AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
7G8	RNAV (GPS) RWY 11	ORIG-C	MIDDLEFIELD	OH	1174	RNAV
1208 TREE (39-069005) 412702.56N/0810413.50W (20)			1224 POLE (39-062648) 412700.08N/0810418.41W (19.76)			
1250 POLE (39-062941) 412706.69N/0810423.91W (19.35)			1207 TREE (39-062604) 412701.91N/0810413.62W (19.12)			
1268 TREE (39-062393) 412702.25N/0810429.91W (18.73)			1242 TREE (39-063036) 412703.47N/0810422.82W (18.26)			
1249 TREE (39-062944) 412705.42N/0810424.51W (17.21)			1210 TREE (39-062204) 412659.80N/0810415.50W (16.92)			
1204 TREE (39-062607) 412659.87N/0810414.04W (16.33)			1214 TREE (39-062552) 412704.86N/0810415.76W (15.52)			
1261 TREE (39-062543) 412701.49N/0810429.10W (15.43)			1238 POLE (39-063037) 412706.66N/0810421.85W (15.1)			
1187 TREE (39-068714) 412659.79N/0810410.23W (13.69)			1260 TREE (39-062293) 412700.82N/0810429.61W (13.11)			
1212 POLE (39-062559) 412700.83N/0810417.01W (12.35)			1221 TREE (39-062217) 412703.31N/0810418.86W (12.25)			
1196 TREE (39-062791) 412701.22N/0810413.05W (10.86)			1228 TREE (39-062235) 412701.75N/0810421.90W (9.21)			
1212 POLE (39-062722) 412701.36N/0810417.78W (9)			1222 TREE (39-062505) 412701.21N/0810420.73W (8.07)			
1193 TREE (39-062795) 412700.37N/0810413.25W (7.86)			1259 TREE (39-062629) 412701.45N/0810430.70W (7.47)			
1197 TREE (39-062523) 412704.45N/0810414.15W (4.91)			1183 TREE (39-062511) 412703.13N/0810410.77W (4.74)			
1229 TREE (39-063039) 412704.46N/0810422.76W (4.62)			1225 TREE (39-062971) 412703.55N/0810421.95W (4.45)			
1195 BUILDING (39-062468) 412700.63N/0810414.73W (4.08)			1195 BUILDING (39-062473) 412700.62N/0810414.85W (3.64)			
1213 POLE (39-062220) 412701.20N/0810419.52W (3.62)			1199 BUILDING (39-062123) 412701.12N/0810415.82W (3.56)			
1202 BUILDING (39-062551) 412701.11N/0810416.64W (3.5)			1197 TREE (39-062524) 412702.40N/0810415.01W (3.48)			
1194 BUILDING (39-062465) 412700.64N/0810414.64W (3.41)			1199 BUILDING (39-062130) 412700.19N/0810416.27W (2.69)			
1199 BUILDING (39-062131) 412700.29N/0810416.26W (2.64)			1214 TREE (39-062434) 412702.86N/0810419.66W (2.64)			
1199 BUILDING (39-062133) 412700.43N/0810416.25W (2.55)			1216 POLE (39-062528) 412702.41N/0810420.64W (1.36)			
1201 BUILDING (39-062558) 412701.09N/0810416.97W (1.28)			1199 BUILDING (39-062553) 412700.20N/0810416.91W (0.28)			
1199 BUILDING (39-062554) 412700.44N/0810416.90W (0.11)			1194 TRAVERSE_WAY (39-062240) 412701.27N/0810415.40W (0.01)			
Final Type	LP / LNAV RWY 11					
34:1						
1248 STACK (39-062893) 412708.24N/0810430.09W (27.07)			1249 TREE (39-062827) 412703.23N/0810433.19W (23.81)			
1251 TREE (39-070226) 412704.73N/0810434.06W (23.12)			1251 TREE (39-062260) 412709.40N/0810433.04W (22.97)			
1251 TREE (39-062314) 412704.33N/0810435.16W (20.9)			1223 POLE (39-062987) 412704.43N/0810422.53W (20.71)			
1250 TREE (39-062318) 412707.30N/0810434.65W (19.49)			1239 TREE (39-062668) 412702.44N/0810430.94W (19.18)			
1245 TREE (39-062832) 412706.90N/0810432.80W (18.78)			1247 TREE (39-062261) 412707.52N/0810433.77W (18.32)			
1248 TREE (39-062316) 412705.51N/0810435.01W (17.62)			1222 POLE (39-062377) 412705.62N/0810423.49W (16.98)			

QUALITY

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AIRPORT ID 7G8	PROCEDURE NAME RNAV (GPS) RWY 11	AMDT NO. ORIG-C	CITY MIDDLEFIELD	STATE OH	AIRPORT ELEVATION 1174	FACILITY RNAV
1217 POLE (39-062278) 412703.58N/0810421.72W (16.93)	1237 TREE (39-062820) 412704.65N/0810430.77W (16.42)					
1233 TREE (39-062390) 412702.97N/0810429.58W (15.91)	1246 TREE (39-070228) 412703.35N/0810435.42W (15.83)					
1244 TREE (39-062258) 412703.66N/0810434.45W (15.81)	1247 TREE (39-062324) 412705.09N/0810436.01W (14.63)					
1216 TREE (39-062981) 412701.13N/0810422.94W (14.5)	1238 TREE (39-062741) 412704.01N/0810432.39W (14.17)					
1247 TREE (39-062537) 412703.95N/0810436.51W (14.11)	1209 TREE (39-062250) 412701.43N/0810419.90W (14.05)					
1238 TREE (39-062826) 412705.89N/0810432.20W (13.62)	1245 TREE (39-062323) 412706.64N/0810435.56W (12.83)					
1207 TREE (39-062249) 412704.32N/0810418.89W (12.79)	1208 TREE (39-062498) 412700.59N/0810420.38W (12.43)					
1241 TREE (39-062259) 412706.43N/0810434.05W (12.27)	1202 TREE (39-062685) 412702.54N/0810417.40W (12)					
1238 POLE (39-062833) 412704.20N/0810433.54W (11.54)	1200 BUILDING (39-062591) 412700.65N/0810417.19W (11.43)					
1248 TREE (39-062603) 412709.35N/0810436.99W (11.28)	1237 TREE (39-070225) 412705.21N/0810433.05W (11.1)					
1200 BUILDING (39-062597) 412700.51N/0810417.45W (10.93)	1200 BUILDING (39-062595) 412700.85N/0810417.38W (10.91)					
1239 TREE (39-062257) 412706.01N/0810433.86W (10.9)	1200 TREE (39-062592) 412703.09N/0810416.90W (10.82)					
1211 BUILDING (39-062970) 412703.07N/0810422.05W (10.47)	1200 BUILDING (39-062683) 412700.71N/0810417.65W (10.39)					
1198 TREE (39-069178) 412702.52N/0810416.40W (10.21)	1211 BUILDING (39-063029) 412702.80N/0810422.26W (10.14)					
1196 TREE (39-069177) 412703.42N/0810415.70W (9.29)	1195 TREE (39-062126) 412704.09N/0810415.19W (9.08)					
1244 TREE (39-062570) 412707.19N/0810436.95W (8.48)	1243 TREE (39-062564) 412705.96N/0810436.83W (8.37)					
1195 TRAVERSE_WAY (39-062205) 412700.91N/0810416.30W (8.26)	1194 TRAVERSE_WAY (39-062292) 412701.24N/0810415.79W (8.22)					
1229 TREE (39-062823) 412703.24N/0810431.25W (8.08)	1243 TREE (39-062566) 412704.84N/0810437.31W (7.89)					
1201 BUILDING (39-062215) 412705.02N/0810418.28W (7.78)	1241 TREE (39-062540) 412707.56N/0810435.91W (7.58)					
1199 TREE (39-062686) 412703.15N/0810417.96W (7.45)	1231 TREE (39-070127) 412705.10N/0810432.04W (7.38)					
1193 BUILDING (39-062291) 412700.91N/0810415.84W (7.28)	1194 BUILDING (39-062206) 412700.91N/0810416.30W (7.26)					
1204 BUILDING (39-062507) 412701.65N/0810420.72W (7.13)	1193 BUILDING (39-062124) 412701.33N/0810415.83W (7.08)					
1231 POLE (39-062742) 412706.21N/0810431.93W (7.06)	1211 BUILDING (39-063045) 412703.49N/0810423.50W (7.05)					
1221 TREE (39-062715) 412702.79N/0810428.26W (6.91)	1195 TRAVERSE_WAY (39-070946) 412700.79N/0810417.00W (6.78)					
1196 TRAVERSE_WAY (39-062681) 412700.30N/0810417.61W (6.69)	1219 TREE (39-062658) 412703.12N/0810427.42W (6.59)					
1205 TREE (39-062150) 412703.18N/0810421.17W (6.35)	1205 TREE (39-062153) 412700.85N/0810421.84W (6.07)					
1189 BUILDING (39-062472) 412700.39N/0810414.83W (5.77)	1209 BUILDING (39-063042) 412702.97N/0810423.38W (5.58)					
1201 TREE (39-062500) 412700.11N/0810420.53W (5.34)	1206 BUILDING (39-062972) 412702.69N/0810422.21W (5.31)					
1188 BUILDING (39-062388) 412700.40N/0810414.61W (5.25)	1195 TRAVERSE_WAY (39-062721) 412700.49N/0810417.80W (5.17)					



AIRPORT ID 7G8	PROCEDURE NAME RNAV (GPS) RWY 11	AMDT NO. ORIG-C	CITY MIDDLEFIELD	STATE OH	AIRPORT ELEVATION 1174	FACILITY RNAV
1240 TREE (39-062569) 412704.04N/0810437.68W (4.49)	1209 BUILDING (39-062375) 412700.70N/0810424.50W (4.28)					
1205 BUILDING (39-063028) 412702.98N/0810422.23W (4.12)	1205 BUILDING (39-063032) 412702.91N/0810422.36W (3.86)					
1204 BUILDING (39-062281) 412703.14N/0810421.91W (3.74)	1203 BUILDING (39-062234) 412705.50N/0810420.92W (3.71)					
1209 TREE (39-062378) 412702.62N/0810424.37W (3.58)	1194 TRAVERSE_WAY (39-062687) 412700.50N/0810418.46W (2.71)					
1228 TREE (39-062828) 412708.07N/0810432.14W (2.64)	1193 TRAVERSE_WAY (39-062723) 412701.48N/0810417.82W (2.62)					
1226 POLE (39-062738) 412706.18N/0810431.70W (2.58)	1190 BUILDING (39-062550) 412700.82N/0810416.68W (2.47)					
1209 TREE (39-062447) 412703.06N/0810424.81W (2.38)	1200 TRAVERSE_WAY (39-070936) 412700.54N/0810421.43W (2.14)					
1204 TREE (39-062986) 412701.68N/0810423.07W (1.93)	1179 VEGETATION (39-062857) 412700.74N/0810411.99W (1.86)					
1190 BUILDING (39-069361) 412700.83N/0810416.97W (1.83)	1280 TREE (39-062772) 412706.57N/0810456.45W (1.78)					
1202 BUILDING (39-069652) 412702.08N/0810422.17W (1.71)	1201 TRAVERSE_WAY (39-062225) 412703.64N/0810421.38W (1.65)					
1202 TRAVERSE_WAY (39-062969) 412704.26N/0810421.70W (1.63)	1203 TRAVERSE_WAY (39-062169) 412704.43N/0810422.13W (1.59)					
1213 BUILDING (39-062652) 412705.43N/0810426.48W (1.48)	1193 TRAVERSE_WAY (39-062688) 412700.77N/0810418.50W (1.48)					
1194 TRAVERSE_WAY (39-062141) 412704.67N/0810418.05W (1.47)	1189 BUILDING (39-069360) 412701.35N/0810416.56W (1.46)					
1201 TRAVERSE_WAY (39-069651) 412703.95N/0810421.43W (1.38)	1236 TREE (39-062565) 412703.17N/0810437.51W (1.31)					
1202 TRAVERSE_WAY (39-070877) 412704.16N/0810421.87W (1.3)	1202 BUILDING (39-063031) 412705.50N/0810421.57W (1.28)					
1200 TRAVERSE_WAY (39-062152) 412700.51N/0810421.83W (1.27)	1196 TRAVERSE_WAY (39-069502) 412704.59N/0810419.08W (1.24)					
1203 TRAVERSE_WAY (39-062983) 412704.59N/0810422.29W (1.16)	1191 SIGN (39-069363) 412700.46N/0810417.85W (1.07)					
1193 TRAVERSE_WAY (39-062691) 412701.46N/0810418.55W (1.02)	1200 BUILDING (39-062224) 412705.01N/0810420.91W (0.98)					
1197 TRAVERSE_WAY (39-062501) 412704.50N/0810419.68W (0.96)	1224 POLE (39-062737) 412706.41N/0810431.49W (0.92)					
1194 TRAVERSE_WAY (39-062214) 412705.02N/0810418.26W (0.82)	1196 BUILDING (39-062494) 412700.44N/0810420.25W (0.79)					
1206 TRAVERSE_WAY (39-062379) 412705.41N/0810423.68W (0.67)	1196 TRAVERSE_WAY (39-062435) 412704.55N/0810419.35W (0.66)					
1189 BUILDING (39-062560) 412701.35N/0810416.96W (0.58)	1187 BUILDING (39-062136) 412700.76N/0810416.30W (0.34)					
1193 TRAVERSE_WAY (39-062143) 412701.07N/0810418.97W (0.29)	1192 TRAVERSE_WAY (39-062690) 412704.68N/0810417.68W (0.28)					
1197 TRAVERSE_WAY (39-062506) 412704.42N/0810420.04W (0.21)						

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

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



<b>PENETRATIONS REMARKS:</b>

**PART C: GENERAL REMARKS:**

VDP NOT ESTABLISHED - REMOTE ALTIMETER.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

THE TWO 20:1 PENETRATING OBSTACLES ON CIRCLING TO RWY 29 (FINAL APPROACH RWY 29) HAVE BEEN VERIFIED GRADED DOWN AND NO LONGER 20:1 PENETRATIONS PER FPT: 1161 TERRAIN (39-062859) 412655.54N/0810321.04W (2.34) AND 1162 TERRAIN (39-062866) 412654.55N/0810320.78W (1.5).

VEGETATION HEIGHT: 100 FT.

LPV/VNAV NOT DEVELOPED DUE TO VGS PENETRATIONS.

AIRPORT CANNOT SUPPORT CAT D OPERATIONS.

FLIGHT INSPECTION RESULTS DO NOT WARRANT A VDA. COMPUTED PROCEDURE VDA/TCH: 3.00/40.00, REMOVED PER FLIGHT INSPECTON.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.





<div>AIRPORT ID</div> <div>7G8</div>	<div>PROCEDURE NAME</div> <div>RNAV (GPS) RWY 11</div>	<div>AMDT NO.</div> <div>ORIG-C</div>	<div>CITY</div> <div>MIDDLEFIELD</div>	<div>STATE</div> <div>OH</div>	<div>AIRPORT ELEVATION</div> <div>1174</div>	<div>FACILITY</div> <div>RNAV</div>
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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	3.30
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	099.87
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1300
DISTANCE FROM	THLD	TO 1500FT POINT	5.10
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	099.87
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1300

THRESHOLD COORDINATES (IF STR-IN)

412701.23N/0810406.88W

ARP COORDINATES

412658.54N/0810346.56W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 29 DISTANCE 0.29 NM

FAF COORDINATES

412756.00N/0811103.56W

FIX NAME COORDINATES

IF/IAF EYIKY: 412915.98N/0812118.16W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

THLD DISPLACED 179FT, ACTUAL COORDINATES: 412701.53N/0810409.19W.

QUALITY  
29  
CHECKED

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

Electronic Version

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**PART E: PREPARED BY**

<b>NAME</b> JON DENTON (APRIL SARMENTO)	<b>OFFICE</b> AJV-A432	<b>DATE</b> 03/22/2021	<b>TITLE</b> AERONAUTICAL INFORMATION SPECIALIST
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