Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 04/09/2012	Task #: 2010120313410701001	Request #: 20101203134107
Procedure: RNAV (GPS) RWY 28 AMDT 1		Airport ID: KLHQ	Airport: FAIRFIELD COUNTY		Reimbursable #:
City: LANCASTER	ST: OH	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID:	Fac. Type: LPV Proc-5		Specialist: RALPH DUMAR P1		

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	05/17/2012	08/08/2012	LONNIE EVERHART	
QA:	08/08/2012	08/10/2012	RICHELLE ADDINGTON	
Liaison:	08/10/2012		K. Spurlin	P1 - REPLACEMENT 8/10/12

Procedure Comments: **Remark Type:** INFORMATION PKG 1 of 2

LANCASTER OH; FAIRFIELD COUNTY (KLHQ); RNAV (GPS) RWY 28, AMDT 1; ENROUTE-YES FC: 09.18.12 PUB 11.15.12
ATTACHED FORMS: 8260-3, 8260-9, 8260-10.8260-2(S): ANOBE INT, REV 1; APPLETON (APE) VORTAC, REV 16; FAIRF INT, ORIG; HASPI INT, REV 1; NUMDE INT, REV 1; TARTO INT, REV 10 (INFO ONLY); COMID INT, ORIG (CANCEL), FANAP INT, ORIG (CANCEL).
REMARKS: RWY 28 DISPLACED THRESHOLD REMOVED
REPLACEMENT 8/10/12 - THIS WAS PULLED BACK FROM FC- DELETED CAT C MINIMUMS - LOWERED LPV MINIMA - NEW CONTROLLING OBSTACLE. ADDITIONAL PROCEDURE AFFECTED: LOC RWY 28, AMDT 2
CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014/405.954.9307.

WAAS CH 69628 W28A	APP CRS 280°	Rwy ldg 5004 THRE 868 Apt Elev 868

RNAV (GPS) RWY 28
LANCASTER/FAIRFIELD COUNTY (LHQ)

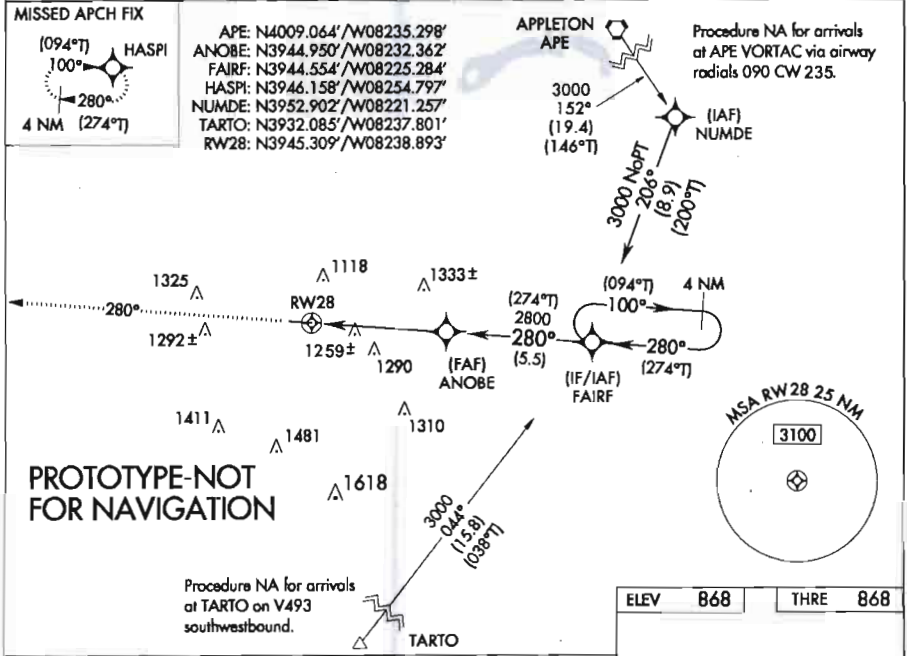
Baro-VNAV NA when using Rickenbacker Intl altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -24°C(-11°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. VDP NA with Rickenbacker Int altimeter setting. When local altimeter setting not received, use Rickenbacker Intl altimeter setting and increase all DA 48 feet; increase all MDA 60 feet.

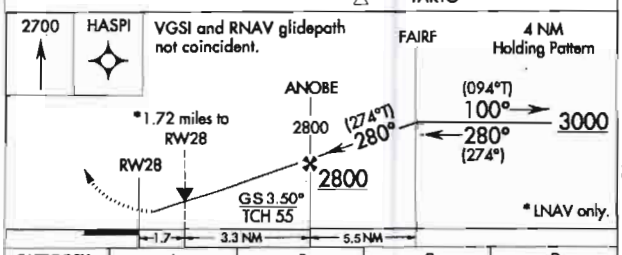
MISSED APPROACH: Climb to 2700 direct HASPI and hold.

ASOS	COLUMBUS APP CON	CLNC DEL	UNICOM
118.375	119.15 279.6	121.65	122.725 (CTAF)

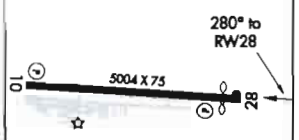
MISSED APCH FIX

APE: N4009.064'/W08235.298'
ANOBE: N3944.950'/W08232.362'
FAIRF: N3944.554'/W08225.284'
HASPI: N3946.158'/W08254.797'
NUMDE: N3952.902'/W08221.257'
TARTO: N3932.085'/W08237.801'
RW28: N3945.309'/W08238.893'





ELEV 868	THRE 868



CATEGORY	A	B	C	D
LPV DA	1068-¾ 200 (200-¾)		NA	
LNAV/VNAV DA	1641-2½ 773 (800-2½)		NA	
LNAV MDA	1520-1 652 (700-1)		NA	
CIRCLING	1520-1 652 (700-1)	1540-1 672 (700-1)	NA	

REIL Rwys 10 and 28
HIRL Rwy 10-28

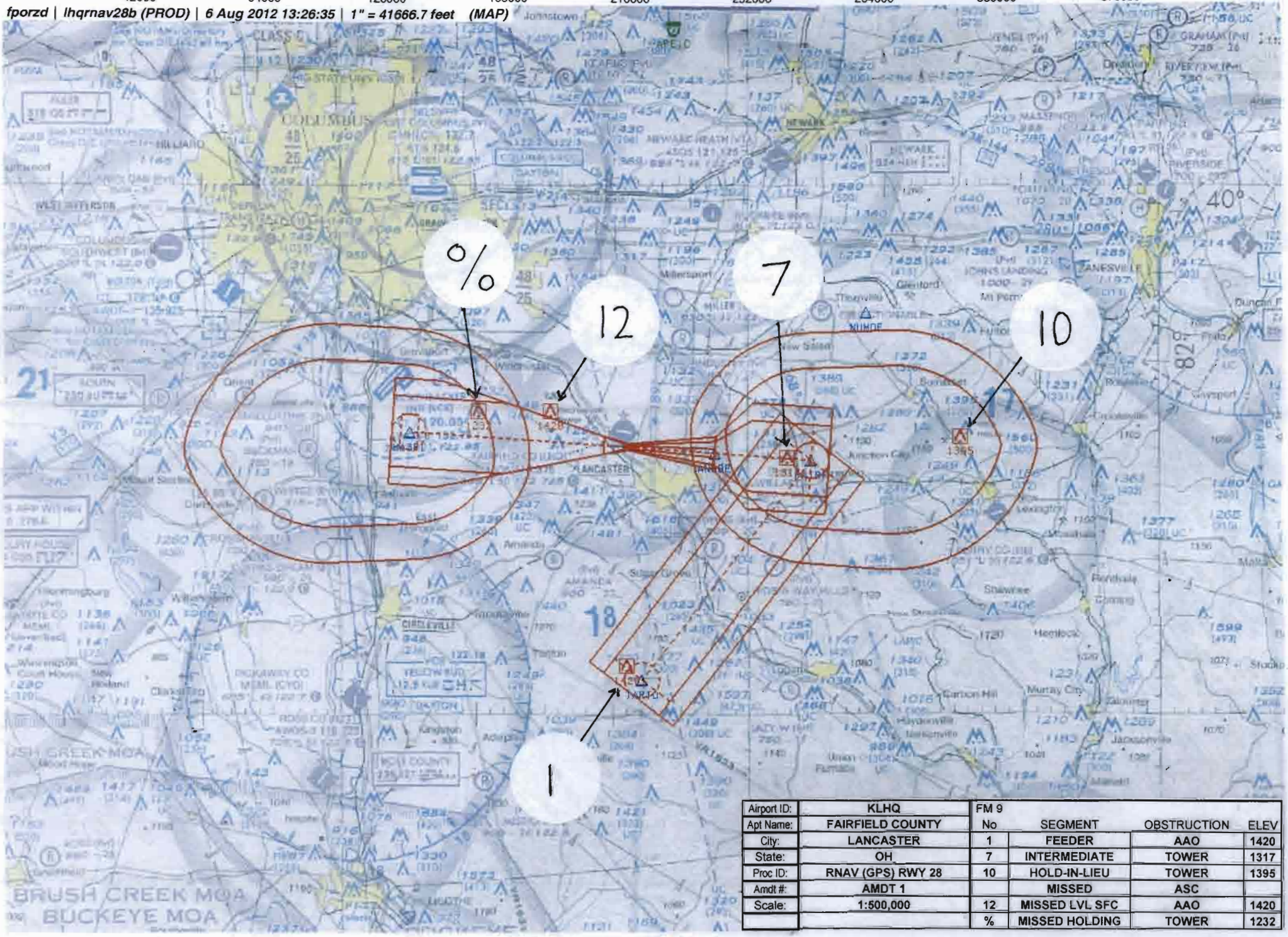
AUTOMATED AL-6212 RNAV (GPS) RWY 28

EC-2
06/19/12
COMPILER: AG
REVIEWER:
DBL CHKR:
EFF: FIG
UID#: 23759

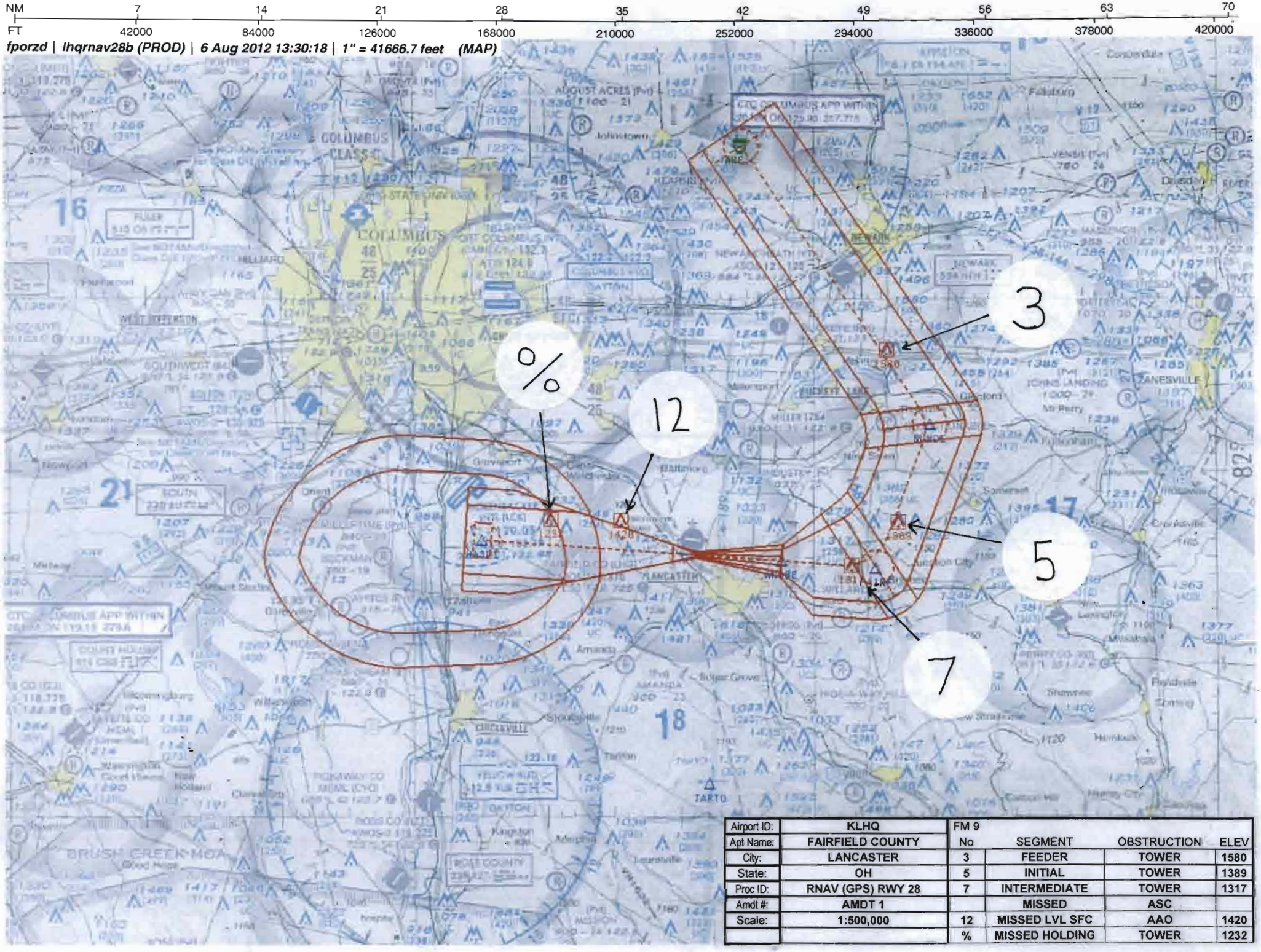
NM 7 14 21 28 35 42 49 56 63 70

FT 42000 84000 126000 168000 210000 252000 294000 336000 378000 420000

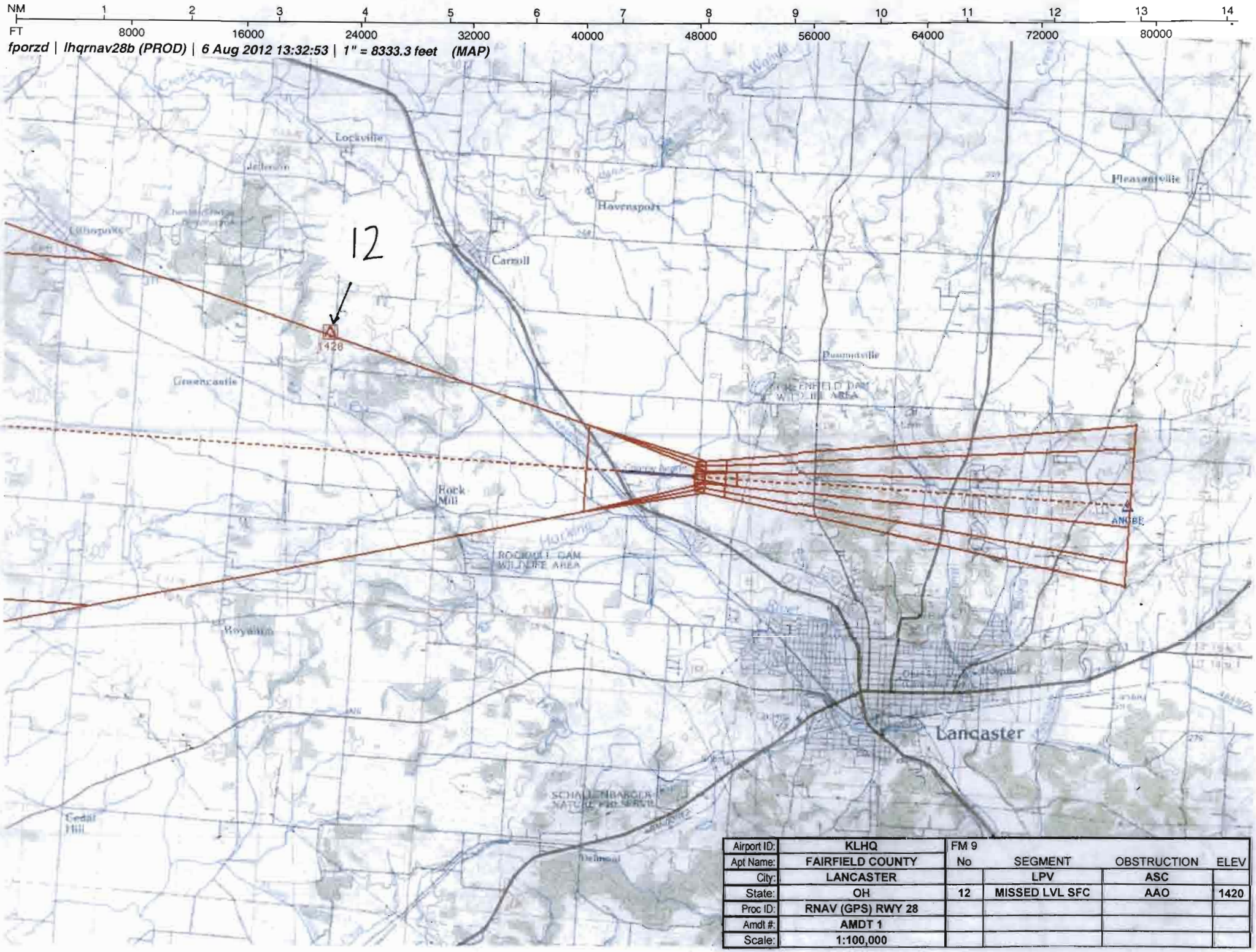
fporzd | lhqrnav28b (PROD) | 6 Aug 2012 13:26:35 | 1" = 41666.7 feet (MAP)



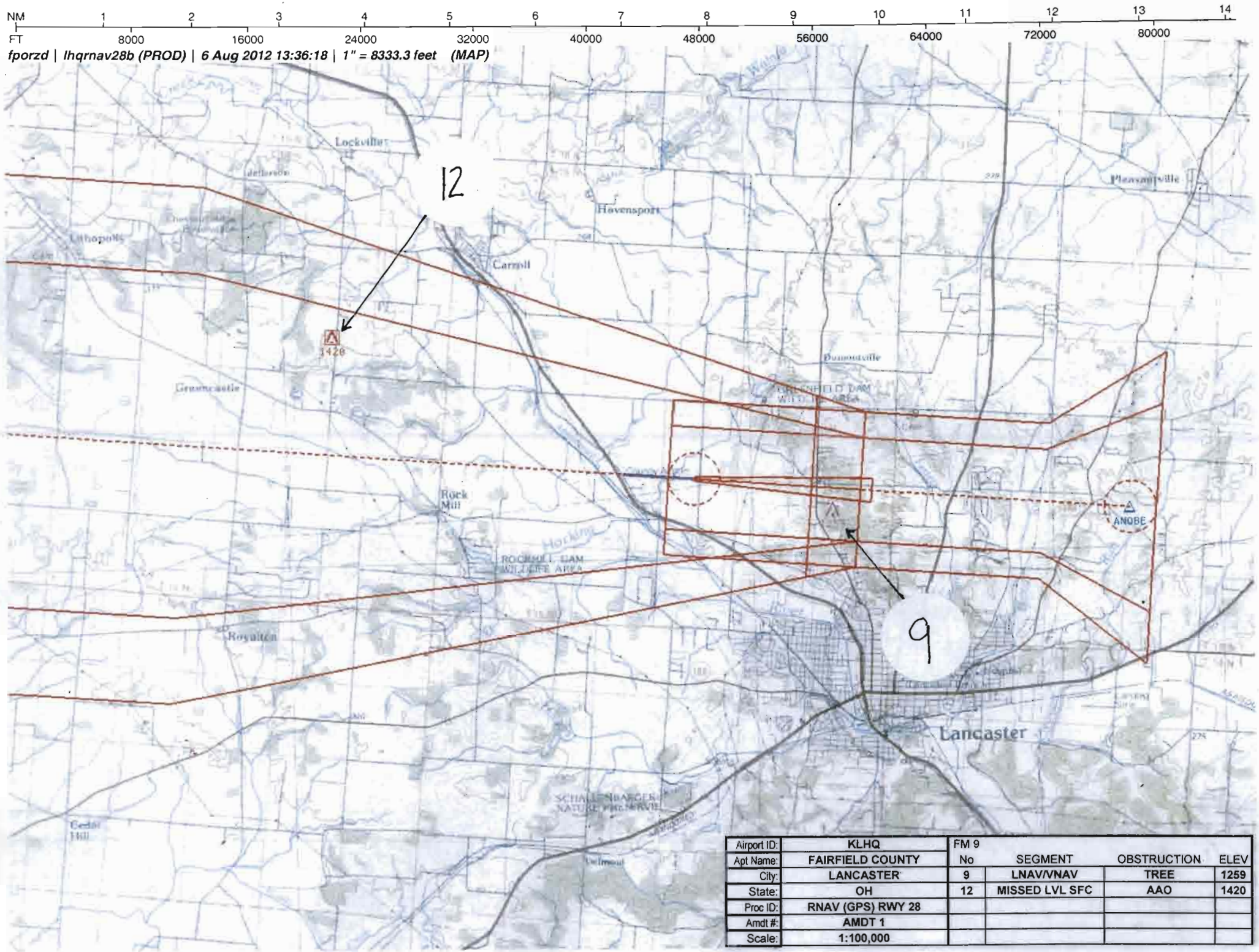
Airport ID:	KLHQ	FM 9			
Apt Name:	FAIRFIELD COUNTY	No	SEGMENT	OBSTRUCTION	ELEV
City:	LANCASTER	1	FEEDER	AAO	1420
State:	OH	7	INTERMEDIATE	TOWER	1317
Proc ID:	RNAV (GPS) RWY 28	10	HOLD-IN-LIEU	TOWER	1395
Amdt #:	AMDT 1		MISSED	ASC	
Scale:	1:500,000	12	MISSED LVL SFC	AAO	1420
		%	MISSED HOLDING	TOWER	1232



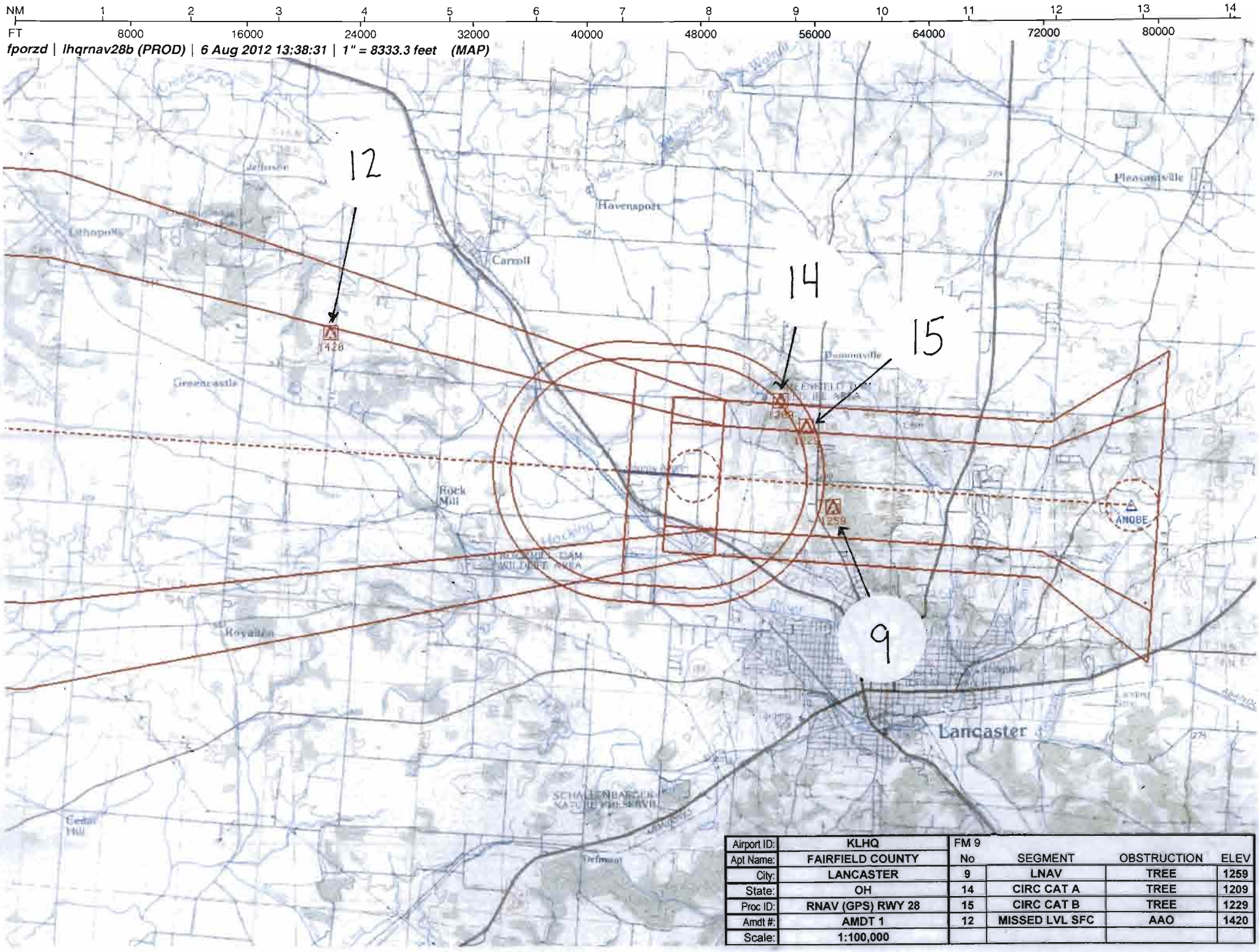
Airport ID:	KLHQ	FM 9			
Apt Name:	FAIRFIELD COUNTY	No	SEGMENT	OBSTRUCTION	ELEV
City:	LANCASTER	3	FEEDER	TOWER	1580
State:	OH	5	INITIAL	TOWER	1389
Proc ID:	RNAV (GPS) RWY 28	7	INTERMEDIATE	TOWER	1317
Amdt #:	AMDT 1		MISSED	ASC	
Scale:	1:500,000	12	MISSED LVL SFC	AAO	1420
		%	MISSED HOLDING	TOWER	1232



Airport ID:	KLHQ	FM 9			
Apt Name:	FAIRFIELD COUNTY	No	SEGMENT	OBSTRUCTION	ELEV
City:	LANCASTER		LPV	ASC	
State:	OH	12	MISSED LVL SFC	AAO	1420
Proc ID:	RNAV (GPS) RWY 28				
Amdt #:	AMDT 1				
Scale:	1:100,000				



Airport ID:	KLHQ	FM 9			
Apt Name:	FAIRFIELD COUNTY	No	SEGMENT	OBSTRUCTION	ELEV
City:	LANCASTER	9	LNAV/VNAV	TREE	1259
State:	OH	12	MISSED LVL SFC	AAO	1420
Proc ID:	RNAV (GPS) RWY 28				
Amdt #:	AMDT 1				
Scale:	1:100,000				



Airport ID:	KLHQ	FM 9			
Apt Name:	FAIRFIELD COUNTY	No	SEGMENT	OBSTRUCTION	ELEV
City:	LANCASTER	9	LNAV	TREE	1259
State:	OH	14	CIRC CAT A	TREE	1209
Proc ID:	RNAV (GPS) RWY 28	15	CIRC CAT B	TREE	1229
Amdt #:	AMDT 1	12	MISSED LVL SFC	AAO	1420
Scale:	1:100,000				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TARTO	FAIRF (FO)	043.75 / 15.77	3000
APE VORTAC	NUMDE (FB)	152.18 / 19.42	3000
NUMDE (IAF)	FAIRF (NOPT) (FB)	206.43 / 8.90	3000
FAIRF (IF/IAF)	ANOBE (FB)	280.18 / 5.47	2800
ANOBE (FAF)	RW28 (MAP) (FO)	280.11 / 5.05	
RW28 (MAP)	1068 MSL	280.11	
1068 MSL	HASPI (FO)		2700

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW28

CLIMB TO 2700 DIRECT HASPI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 099.87 INBOUND.
CHART FAS OBST: 1259 TREE 394452N/0823648W
DISTANCE TO THLD FROM 200 HATH: 0.39 NM.
CHART VDP AT 1.72 MILES TO RW28*
*LNAV ONLY.
WAAS CHANNEL # 69628
REFERENCE PATH ID: W28A
LTP HAE: 230.6 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E FAIRF, RT, 280.18 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 280.11 FAF: ANOBE DIST FAF TO MAP: 5.05 THLD: 5.05
4. MIN. ALT: FAIRF 3000, ANOBE 2800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: ANOBE 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.50 TCH: 55.0 34:1 IS NOT CLEAR
8. MSA FROM: RW28 3100

MAG VAR: 6W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1068	3/4	200	1068	3/4	200		NA			NA				
LNAV/VNAV DA	1641	2 1/2	773	1641	2 1/2	773		NA			NA				
LNAV MDA	1520	1	652	1520	1	652		NA			NA				
CIRCLING	1520	1	652	1540	1	672		NA			NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING RICKENBACKER INTL ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE

QUALITY CHECKED

CITY AND STATE	ELEVATION: 868 THRE: 868	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LANCASTER, OH	AIRPORT NAME: FAIRFIELD COUNTY	RNAV	RNAV (GPS) RWY 28, AMDT 1	AMDT: ORIG
				DATED 04/10/2008

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[X] YES [ ] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] ZID, CMH APP CON, AMGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: ADOLFO URRUTIA (RALPH DUMAR)	FIFO AJV-354	DATE: 06/12/2012

APPROVED BY		
NAME: DEZ SILAGYI MANAGER	FIFO AJV-354	DATE:

CHANGES:

1. CHANGED TDZE TO THRE.
2. DELETED WAYPOINTS COMID, FANAP, AND BOTH INITIAL SEGMENTS.
3. DELETED FEEDER ROUTE BETWEEN TARTO AND FANAP.
4. DELETED FEEDER ROUTE BETWEEN APPLETON VORTAC AND COMID.
5. REPLACED IF/IAF DIPAC WITH FAIRF AND MOVED WAYPOINT 1.49 NM WEST ON V45.
6. REPLACED HOLD-IN-LIEU OF PT AT DIPAC WITH HOLD-IN-LIEU AT FAIRFAT 3000FT.
7. ADDED IAF NUMDE AND INITIAL SEGMENT TO FAIRF AT 3000FT.
8. ADDED FEEDER ROUTE BETWEEN APPLETON VORTAC AND NUMDE AT 3000FT.
9. ADDED FEEDER ROUTE BETWEEN TARTO AND FAIRF AT 3000FT.
10. MOVED FAF ANOBE .76 NM WEST TO NEW LPV PFAF.
11. MOVED MAP 279FT. EAST FROM DISPLACED THRESHOLD TO APPROACH END RWY 28.
12. SHORTENED INTERMEDIATE SEGMENT BETWEEN FAIRF AND ANOBE FROM 6.2 NM TO 5.5 NM.
13. SHORTENED FINAL SEGMENT FROM 5.9 NM TO 3.3 NM FROM ANOBE TO VDP AND 1.7 NM FROM VDP TO RWY 28.
14. CHANGED BACK UP ALTIMETER NOTE TO READ "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED,

SEE 8260-10

REASONS:

1, 18-20, 21, 23. PER CRITERIA.
2-9, 22. PER FPT.
10, 15-16. PER UPDATED RNAV CRITERIA.
11. DISPLACED THRESHOLD REMOVED BY AIRPORT AUTHORITY.
12-13. DUE TO MOVING IF, PFAF/FAF, AND MAP, AND ADDING VDP.
14. ADDED LPV AND LNAV/VNAV MINIMUMS. VISIBILITY INCREASE DUE TO UPDATED CRITERIA.
17. TO MITIGATE OBSTACLE PENETRATIONS ON LPV FINAL.
24. HATH MEASURED FROM RWY THLD; UPDATED VISIBILITY CRITERIA.

08/06/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/12/2012.
1. CHANGED CA ALTITUDE FROM 1188 MSL TO 1068 MSL
2. DELETED CAT C MINIMUMS.
3. LOWERED LPV CAT A AND B DA FROM 1188 TO 1068, HATh FROM 320 TO 200, AND VISIBILITY FROM 7/8 TO 3/4.

SEE 8260-10

QUALITY 1 CHECKED

Bearings, headings, courses, 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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: VDP NA WITH RICKENBACKER INTL ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT APE VORTAC AIRWAY RADIALS 090 CW 235.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TARTO ON V493 SOUTHBOUND.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RICKENBACKER INTL ALTIMETER SETTING AND INCREASE ALL DA 48 FEET; INCREASE ALL MDA 60 FEET.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 868 THRE: 868	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LANCASTER, OH	AIRPORT NAME: FAIRFIELD COUNTY	RNAV	RNAV (GPS) RWY 28, AMDT 1	AMDT: ORIG
				DATED: 04/10/2008

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

CHANGES CONT.
USE RICKENBACKER INTL ALTIMETER SETTING AND INCREASE ALL DA 48 FEET, AND LPV VISIBILITY 1/8 MILE; INCREASE ALL MDA 60 FEET, LNAV VISIBILITY CAT C 1/8 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE". 15. CHANGED RADIALS IN PLANVIEW NOTE FROM 117 CW 168 TO 090 CW 235. 16. ADDED PLANVIEW NOTE "PROCEDURE NA FOR ARRIVALS AT TARTO ON V493 SOUTHBOUND". 17. CHANGED DESCENT ANGLE FROM 3.05 TO 3.50 AND TCH FROM 40 TO 55. 18. CHANGED PROFILE NOTE "VGSI AND DESCENT ANGLES NOT COINCIDENT" TO "VGSI AND RNAV GLIDEPATH NOT COINCIDENT". 19. ADDED VDP AT 1.7 NM FROM RWY 28 AND ASSOCIATED NOTE "*LNAV ONLY". 20. ADDED NOTE "VDP NA WITH RICKENBACKER INTL ALTIMETER SETTING". 21. ADDED BARO-VNAV ASSOCIATED NOTES FOR BACK-UP ALTIMETER SOURCE USE AND TEMPERATURE RANGE USE. 22. ADDED LPV LINE OF MINIMUMS DA 1188, VISIBILITY 7/8, HATh 320. 23. ADDED LNAV/VNAV LINE OF MINIMUMS DA 1641, VISIBILITY 2 1/2, HATh 773. 24. LOWERED LNAV HATH FROM 656 TO 652 AND INCREASED CAT C VISIBILITY FROM 1 3/4 TO 1 7/8.

REASONS:

REASONS CONT.
4. ADDITONAL FLIGHT DATA: CHANGED "DISTANCE TO THLD FROM 320 HATH: 0.71NM" TO "DISTANCE TO THLD FROM 200 HATH: 0.39NM.
5. CHANGED BACKUP ALTIMETER NOTE TO "CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE RICKENBACKER INTL ALTIMETER SETTING AND INCREASE ALL DA 48 FEET; INCREASE ALL MDA 60 FEET".
6. FAS DATA BLOCK INFORMATION: CHANGED VERTICAL ALERT LIMIT (VAL) FROM 50 TO 35.
7. UPDATED AERONAUTICAL RADIO , INC (ARINC) CODING.

QUALITY CHECKED

Bearings, headings, courses, 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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLHQ
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	394518.5585N
LTP/FTP LONGITUDE	0823853.5935W
LTP/FTP ELLIPSOIDAL HEIGHT	+02306
FPAP LATITUDE	394524.8300N
FPAP LONGITUDE	0824048.8400W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	8DFDC262

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02646
FPAP ORTHOMETRIC HEIGHT	+02646

QUALITY CHECKED

CITY AND STATE	ELEVATION: 868 THRE: 868	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LANCASTER, OH	AIRPORT NAME: FAIRFIELD COUNTY	RNAV	RNAV (GPS) RWY 28, AMDT 1	AMDT: ORIG
				DATED: 04/10/2008

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, 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 in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        APE   K5011670VTHA N40090383W082351788    N40090383W082351788W0060013542     NARAPPLETON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ANOBE K50    W     N39445701W082322173                      W0072     NAR           ANOBE
        SUSAEAENRT   FAIRF K50    C   L N39443324W082251705                      W0073     NAR           FAIRF
        SUSAEAENRT   HASPI K50    W     N39460950W082544783                      W0070     NAR           HASPI
        SUSAEAENRT   NUMDE K50    W   L N39525412W082211544                      W0074     NAR           NUMDE
        SUSAEAENRT   TARTO K50    C   L N39320507W082374805                      W0071     NAR           TARTO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLHQK5ALHQ     0     050YHN39452030W082392555W006000868         1800018000C    MNAR    FAIRFIELD COUNTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLHQK5FR28   AAPE   010APE  K5D 0V       IF                                          18000                A JS
        SUSAP KLHQK5FR28   AAPE   020NUMDEK5EA0E  A 020TF                    15220194    + 03000                         A JS
        SUSAP KLHQK5FR28   AAPE   030FAIRFK5EA0EE B 010TF                    20640089    + 03000                         A JS
        SUSAP KLHQK5FR28   ATARTO 010TARTOK5EA0E       IF                                          18000                A JS
        SUSAP KLHQK5FR28   ATARTO 020FAIRFK5EA0EY   020TF                    04380158    + 03000                         A JS
        SUSAP KLHQK5FR28   ATARTO 030FAIRFK5EA0EE AR   HF                    28020040    + 03000                         A JS
        SUSAP KLHQK5FR28   R      010FAIRFK5EA0E  I    IF                                + 03000     18000               A JS
        SUSAP KLHQK5FR28   R      020ANOBEK5EA1E  F 051TF                    28020055    + 02800                 RW28  K5PGA JS
        SUSAP KLHQK5FR28   R      020ANOBEK5EA2WALPV       ALNAV/VNAV ALNAV                                               JS
        SUSAP KLHQK5FR28   R      030RW28 K5PG0GY M 031TF                    28010051      00923            -350          A JS
        SUSAP KLHQK5FR28   R      040         0  M     CA                    2801        + 01068                         A JS
        SUSAP KLHQK5FR28   R      050HASPIK5EA0EY      DF                                + 02700                         A JS
        SUSAP KLHQK5FR28   R      060HASPIK5EA0EE  R   HM                    09990040    + 02700                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLHQK5GRW28    0050042800 N39451856W082385359-0200    +02306008680000055075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
```

CITY AND STATE	ELEVATION: 868 THRE: 868	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LANCASTER, OH	AIRPORT NAME: **FAIRFIELD COUNTY**	**RNAV**	**RNAV (GPS) RWY 28, AMDT 1**	AMDT: **ORIG**
				DATED: **04/10/2008**

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, 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 in feet RVR.

```
SUSAP KLHQK5PR28   RW28 001 0000W28A0N3945185585W08238535935+023060350N3945248300W082404884001067512240005 50F4003508DFDC262
SUSAP KLHQK5PR28   RW28 002E      +02646+02646LPV       69628
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLHQK5SRW28 K5PG                0   18018003125                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 868 THRE: 868	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LANCASTER, OH	AIRPORT NAME: FAIRFIELD COUNTY	RNAV	RNAV (GPS) RWY 28, AMDT 1	AMDT: ORIG
				DATED: 04/10/2008

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	APE	APE	010		IF		FB					
	APE	NUMDE	020	IAF	TF		FB	2.0	152.2(146.2T)	019.4	AA 03000	
	APE	FAIRF	030		TF		FB	1.0	206.4(200.4T)	008.9	AA 03000	
	TARTO	TARTO	010		IF		FB					
	TARTO	FAIRF	020		TF		FO	2.0	043.8(037.8T)	015.8	AA 03000	
	TARTO	FAIRF	030	IAF	HF	R	FO		280.2(274.2T)	004.0	AA 03000	
		FAIRF	010	FACF	IF		FB				AA 03000	
		ANOBE	020	FAF	TF		FB	0.5	280.2(274.2T)	005.5	AA 02800	
		RW28	030	MAP	TF		FO	0.3	280.1(274.1T)	005.1	AT 00923	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		280.1(274.1T)		AA 01068	
	HASPI	050		DF		FO				AA 02700	
	HASPI	060		HM	R	FO		099.9(093.9T)	004.0	AA 02700	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	APE	N400903.83	W0823517.88	N4009.064	W08235.298
	ANOBE	N394457.01	W0823221.73	N3944.950	W08232.362
	FAIRF	N394433.24	W0822517.05	N3944.554	W08225.284
	HASPI	N394609.50	W0825447.83	N3946.158	W08254.797
	NUMDE	N395254.12	W0822115.44	N3952.902	W08221.257
	TARTO	N393205.07	W0823748.05	N3932.085	W08237.801
	RW28	N394518.56	W0823853.59	N3945.309	W08238.893

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00868	55

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 868 THRE: 868	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LANCASTER, OH	AIRPORT NAME: **FAIRFIELD COUNTY**	**RNAV**	**RNAV (GPS) RWY 28, AMDT 1**	AMDT: **ORIG**
				DATED: **04/10/2008**

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	TARTO	FAIRF	1. AAO	393230.00N/0823854.00W	1420 (2C)	1000	AT580	3000
			2. TERRAIN	393349.80N/0823611.40W	1193 (1200)		AS1500	2700
FEEDER	APE VORTAC	NUMDE	3. TOWER (39-001336)	395648.00N/0822426.00W	1580 (5D)	1000	AT420	3000
			4. TERRAIN	400903.00N/0823518.00W	1352 (1400)		AS1500	2900
INITIAL	NUMDE	FAIRF	5. TOWER (39-004037)	394647.00N/0822337.60W	1389 (4D)	1000	AT611	3000
			6. TERRAIN	395136.00N/0822148.00W	1142 (1100)		AS1500	2600
INTERMEDIATE	FAIRF (IF/IAF)	ANOBE	7. TOWER (39-003520)	394416.00N/0822703.00W	1317 (4D)	500	AT983	2800
			8. TERRAIN	394545.00N/0822527.00W	1082 (1100)		AS1500	2600
FINAL: LPV	ANOBE	RW28				ASC		1068/200
FINAL: LNAV/VNAV	ANOBE	RW28	9. TREE	394452.00N/0823648.00W	1259 (2C)	20.09:1	AC20	1641/773
FINAL: LNAV	ANOBE	RW28	9. TREE	394452.00N/0823648.00W	1259 (2C)	250		1520
2. HOLD-IN-LIEU-OF-PT	FAIRF	P-5	10. TOWER (39-002182)	394529.00N/0821422.00W	1395 (5E)	1000	AT605	3000
			11. TERRAIN	394529.30N/0821651.30W	1189 (1200)		AS1500	2700
3. MISSED APPROACH — MAP:	DA / DA / RW28	HASPI				ASC		2700
			12. AAO	394653.50N/0824421.20W	1420 (6A)	1000		2500
ELEV:	891/1499/1420		13. TERRAIN	394653.50N/0824421.20W	1220 (1200)		AS1500	2700
			14. TREE	394606.00N/0823735.00W	1209 (2C)	300		1520
			15. TREE	394552.00N/0823712.00W	1229 (2C)	300		1540

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	652
CATEGORY B	1.5 NM	450	672
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW28

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TOWER (39-000604)	338/ 27.3	2028 (5D)	3100					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LANCASTER, OH	ELEVATION: 868 AIRPORT NAME: FAIRFIELD COUNTY	RNAV	RNAV (GPS) RWY 28, AMDT 1	AGL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
CMH APP CON ZID ARTCC DAY FSS		N W S	OTHER: ASOS	SOURCE: KLHQ / KLCK
		F A A		DISTANCE: 0 / 13.00
		A / C		HOURS REMOTE OPERATION: 24 / BACKUP
SATISFACTORY ON:				
X V H F X U H F H F	LOCATION: KLHQ			ADJUSTMENT: 0 / 48

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
	X	HIRL 10 (PCL), 28 (PCL)
		MIRL
	X	REIL 10 (PCL), 28 (PCL)
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4L 10, 28
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-F 10, 28
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.50	ELEV RWY THRESHOLD: 868.2
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 55.0
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: ADOLFO URRUTIA (RALPH DUMAR)	DATE: 06/12/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.50/13

KLHQ ASOS AND KLCK AWOS-3 ON SERVICE A.

BARO-VNAV NA BELOW -24C (-11F) OR ABOVE 54C (130F)
ACT -23C
DESCENT RATE: STANDARD TEMP 965 HIGH TEMP 1121
HIGH TEMPERATURE LIMIT, AND DESCENT VALUE DERIVED FROM AFS-400 CALCULATOR.
LOW TEMPERATURE LIMIT DERIVED FROM IAPA.

AHT: 34C

AVERAGE COLD TEMPERATURE AND AVERAGE HIGH TEMPERATURE BASED ON 5-YEAR HISTORY (2007-2011).

LPV SLOPE: 34:1
LNAV/VNAV SLOPE: 20.09:1

RASS PRESSURE PATTERNS SAME
KLHQ 868.2, KLCK 744
RA = 47.29.
SEE ATTACHED AIRSPACE LETTER.

100' VEGETATION HEIGHT PER FPT.

TAA NOT DEVELOPED PER FPT.

ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:

34:1
974 TREE (KLHQT032) 394523.03N/0823818.53W (32.32)
1037 TREE (KLHQT031) 394513.04N/0823743.75W (13.56)
945 TREE (KLHQT033) 394512.23N/0823821.16W (7.07)

34:1 PENETRATIONS PREVIOUSLY CONFIRMED BY FPT. APT MGR NOTIFIED.

5. 1389 TOWER (39-004037), 4D ACCURACY CODE FROM OE/AAA 2004-AGL-4920-OE.
7. 1317 TOWER (39-003520), 4D ACCURACY CODE FROM OE/AAA 2008-AGL-3772-OE.

PER FPT, OBSTACLES LISTED BELOW HAVE BEEN SURVEYED TO ACCURACY CODE 1A (SEE "LHQ THIRD PARTY SURVEY DATA" DATED 04/09/2012):
KLHQT027, TREE (HIGH POINT GROVE)
N394523.62N/0823830.18W, 962 MSL.
KLHQT028, TREE (HIGH POINT GROVE)
N394511.09N/0823834.11W, 927 MSL.
KLHQT031, TREE (HIGH POINT GROVE)
N394513.04N/0823743.75W, 1037 MSL.
KLHQT033, TREE (HIGH POINT GROVE)
N394512.23N/0823821.16W, 945 MSL.

GS ANGLE INCREASED TO 3.50 DUE TO OBSTACLE PENETRATION, TREE, 1009, 394524.00N/0823849.00W.

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ANOBE **STATE:** OH **COUNTRY:** US

LATITUDE/LONGITUDE: 394457.01N/0823221.73W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 28			KLHQ	LANCASTER	OH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
1. MOVED FIX 4616.84FT. (.76 NM) WEST TO NEW PFAF LOCATION.
2. DELETED FIX MAKE-UP FACILITY; NOT REQUIRED FOR WAYPOINTS.
3. DELETED DISPLACED THRESHOLD REMARK. DISPLACED THRESHOLD REMOVED.
4. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 06/05/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (RALPH DUMAR)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: CMH APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: APPLETON VORTAC **STATE:** OH **COUNTRY:** US

LATITUDE/LONGITUDE: 400903.83N/0823517.88W **TYPE:**

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	APPLETON	APE	VORTAC	H							45000

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	APE	VORTAC	055.00	235.00	R	1		3000	6000	4	5
2	NW	APE	VORTAC	328.00	148.00	L	1		2900	6000	4	5
3	S	APE	VORTAC	202.00	022.00	R	1		3000	6000	4	5
4	SE	APE	VORTAC	114.00	294.00	R	1		3000	6000	4	5
5	S	APE	VORTAC	194.00	014.00	R	1		3000	6000	4	5
6	NW		WP	328.00	148.00	L		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
2	200	TOWER (39-000783)	401344.22N/0823935.43W	1599	5D
3	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
4	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
5	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
6	200	TOWER (39-000783)	401344.22N/0823935.43W	1599	5D

REASON FOR NONSTANDARD HOLDING:
PAT 6 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUTION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CINCINNATI			KCVG	COVINGTON/CINCINNATI	KY (US)
DP	LOCKBOURNE			KLCK	COLUMBUS	OH (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
EN ROUTE	J178					(US)
EN ROUTE	J186					(US)
EN ROUTE	J30					(US)
EN ROUTE	J83					(US)
EN ROUTE	V12					(US)
EN ROUTE	V144					(US)
EN ROUTE	V19					(US)
EN ROUTE	V38					(US)
EN ROUTE	V43					(US)
EN ROUTE	V45					(US)
EN ROUTE	V493					(US)
EN ROUTE	V5					(US)
EN ROUTE	V523					(US)
EN ROUTE	V525					(US)
IAP	ILS OR LOC RWY 10L		1	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 10R		1	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 28L			KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 28R		1	KCMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 10L			KCMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 10R			KCMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 28L			KCMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 28R			KCMH	COLUMBUS	OH (US)
IAP	RNAV (RNP) Z RWY 28L			KCMH	COLUMBUS	OH (US)
IAP	RNAV (RNP) Z RWY 28R			KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 5R			KLCK	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 23L			KLCK	COLUMBUS	OH (US)
IAP	ILS RWY 5R (CAT II)			KLCK	COLUMBUS	OH (US)
IAP	NDB RWY 23L			KLCK	COLUMBUS	OH (US)
IAP	NDB RWY 5R			KLCK	COLUMBUS	OH (US)
IAP	TACAN RWY 23L			KLCK	COLUMBUS	OH (US)
IAP	TACAN RWY 23R			KLCK	COLUMBUS	OH (US)
IAP	TACAN RWY 5L			KLCK	COLUMBUS	OH (US)
IAP	TACAN RWY 5R			KLCK	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 9R (ALT MISS)		1	KOSU	COLUMBUS	OH (US)

QUALITY 2 CHECKED

IAP	RNAV (GPS) RWY 09R		KOSU	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 27L		KOSU	COLUMBUS	OH (US)
IAP	NDB RWY 10		KDLZ	DELAWARE	OH (US)
IAP	VOR RWY 28	4	KDLZ	DELAWARE	OH (US)
IAP	LOC RWY 28		KLHQ	LANCASTER	OH (US)
IAP	RNAV (GPS) RWY 28		KLHQ	LANCASTER	OH (US)
IAP	VOR OR GPS-A	5	KLHQ	LANCASTER	OH (US)
IAP	LOC/DME RWY 25		KMNN	MARION	OH (US)
IAP	GPS RWY 9		KMRT	MARYSVILLE	OH (US)
IAP	RNAV (GPS) RWY 10		K4I3	MOUNT VERNON	OH (US)
IAP	RNAV (GPS) RWY 28		K4I3	MOUNT VERNON	OH (US)
IAP	VOR OR GPS-A	3	K4I3	MOUNT VERNON	OH (US)
IAP	GPS RWY 27	6	KVTA	NEWARK	OH (US)
IAP	LOC RWY 9	2	KVTA	NEWARK	OH (US)
IAP	NDB OR GPS RWY 9	2	KVTA	NEWARK	OH (US)
IAP	VOR-A	2	KVTA	NEWARK	OH (US)
IAP	ILS OR LOC RWY 24		KSGH	SPRINGFIELD	OH (US)
IAP	ILS OR LOC RWY 22R		KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (CAT II)		KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (CAT III)		KILN	WILMINGTON	OH (US)
STAR	REDSTONE		KJVY	JEFFERSONVILLE	IN (US)
STAR	TIGRR (RNAV)		KCVG	COVINGTON	KY (US)
STAR	CINCE		KCVG	COVINGTON/CINCINNATI	KY (US)
STAR	CINCE		KK62	FALMOUTH	KY (US)
STAR	HEDEE		KK62	FALMOUTH	KY (US)
STAR	REDSTONE		KLOU	LOUISVILLE	KY (US)
STAR	DLAMP (RNAV)		KSDF	LOUISVILLE	KY (US)
STAR	REDSTONE		KSDF	LOUISVILLE	KY (US)
STAR	GEMNI		KDTW	DETROIT	MI (US)
STAR	CINCE		KI69	BATAVIA	OH (US)
STAR	HEDEE		KI69	BATAVIA	OH (US)
STAR	CINCE		KISZ	CINCINNATI	OH (US)
STAR	HEDEE		KISZ	CINCINNATI	OH (US)
STAR	CINCE		KLUK	CINCINNATI	OH (US)
STAR	HEDEE		KLUK	CINCINNATI	OH (US)
STAR	ZABER		KBKL	CLEVELAND	OH (US)
STAR	ZABER		KCGF	CLEVELAND	OH (US)
STAR	ZABER		KCLE	CLEVELAND	OH (US)
STAR	BREMN		KCMH	COLUMBUS	OH (US)
STAR	GUNNE		KCMH	COLUMBUS	OH (US)
STAR	BREMN		KLCK	COLUMBUS	OH (US)
STAR	GUNNE		KLCK	COLUMBUS	OH (US)
STAR	BREMN		KOSU	COLUMBUS	OH (US)
STAR	GUNNE		KOSU	COLUMBUS	OH (US)
STAR	BREMN		KTZR	COLUMBUS	OH (US)
STAR	GUNNE		KTZR	COLUMBUS	OH (US)
STAR	DANEI		KDAY	DAYTON	OH (US)
STAR	DANEI		KFFO	DAYTON	OH (US)
STAR	DANEI		KMGY	DAYTON	OH (US)
STAR	ZABER		K1G1	ELYRIA	OH (US)
STAR	CINCE		KHAO	HAMILTON	OH (US)
STAR	HEDEE		KHAO	HAMILTON	OH (US)
STAR	GUNNE		KLHQ	LANCASTER	OH (US)
STAR	ZABER		KLPR	LORAIN/ELYRIA	OH (US)
STAR	ZABER		K1G5	MEDINA	OH (US)
STAR	ZABER		K7G8	MIDDLEFIELD	OH (US)
STAR	DANEI		KMWO	MIDDLETOWN	OH (US)
STAR	GUNNE		KVTA	NEWARK	OH (US)
STAR	ZABER		K2G1	PAINESVILLE	OH (US)
STAR	DANEI		KSGH	SPRINGFIELD	OH (US)
STAR	ZABER		KLNN	WILLOUGHBY	OH (US)
STAR	FEWGA (RNAV)		KPIT	PITTSBURGH	PA (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
CHANGED FACILITY COORDINATES FROM 400903.82N/0823517.88W TO 400903.83N/0823517.88W.

DEVELOPED BY: **DATE:** 06/29/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (RALPH DUMAR)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZID
ATC FACILITY: CMH APP CON
OTHER: EASTERN FPO

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FAIRF **STATE:** OH **COUNTRY:** US

LATITUDE/LONGITUDE: 394433.24N/0822517.05W **TYPE:** WP, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	APPLETON	APE	VORTAC	H	168.49	162.49	25.67	25.67		3000	17500

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E		WP	100.18	280.18	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-002182)	394529.00N/0821422.00W	1395	5E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V45	1				(US)
IAP	RNAV (GPS) RWY 28			KLHQ	LANCASTER	OH (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (RALPH DUMAR)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZID
ATC FACILITY: CMH APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HASPI **STATE:** OH **COUNTRY:** US

LATITUDE/LONGITUDE: 394609.50N/0825447.83W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W		WP	179.87	099.87	R		4	2700	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-003710)	394655.80N/0824938.46W	1232	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10		1	KLHQ	LANCASTER	OH (US)
IAP	RNAV (GPS) RWY 28		1	KLHQ	LANCASTER	OH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
1. DELETED FIX MAKE-UP FACILITY; NOT REQUIRED FOR WAYPOINTS.
2. CHANGED CONTROLLING OBSTACLE FROM AAO, 1218FT. TO TOWER (39-003710), 1232FT.
3. MOVED HOLDING LIMITED REMARK TO HOLDING RESTRICTIONS.
4. ADDED PRECIPITOUS TERRAIN REMARK.
5. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 06/05/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (RALPH DUMAR)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: CMH APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NUMDE **STATE:** OH **COUNTRY:** US

LATITUDE/LONGITUDE: 395254.12N/0822115.44W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 28			KLHQ	LANCASTER	OH (US)
STAR	GAILL (RNAV)			KCMH	COLUMBUS	OH (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
1. ADDED RNAV (GPS) RWY 28 TO FIX USE.
2. ADDED IAP TO REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 06/06/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (RALPH DUMAR)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: CMH APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TARTO **STATE:** OH **COUNTRY:** US

LATITUDE/LONGITUDE: 393205.07N/0823748.05W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	APPLETON	APE	VORTAC	H	189.00	183.00	37.00	37.00		3000	17500
2	YELLOW BUD	XUB	VOR	T	093.22	088.22		16.16		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
XUB	VOR	R-093	17	3000	18000

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (39-001110)	393847.00N/0823743.00W	1618	5D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V493	1, 2				(US)
IAP	VOR RWY 23	1, 2		KRZT	CHILLICOTHE	OH (US)
IAP	VOR OR GPS RWY 19	1, 2		KCYO	CIRCLEVILLE	OH (US)
IAP	ILS OR LOC RWY 5L	1, 2		KLCK	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 5L			KLCK	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 5R			KLCK	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 10			KLHQ	LANCASTER	OH (US)
IAP	RNAV (GPS) RWY 28			KLHQ	LANCASTER	OH (US)
IAP	RNAV (GPS) RWY 25			KEOP	WAVERLY	OH (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
REMOVED FAC 3.
UPDATE FIX USE.

DEVELOPED BY: **DATE:** 01/24/2011 **OFFICE:** AVN-120 **NAME:** THOMAS KIRKPATRICK

APPROVED BY: **DATE:** 06/28/2011 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: CMH/LCK
OTHER:

INFO ONLY

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COMID **STATE:** OH **COUNTRY:** US

LATITUDE/LONGITUDE: 394925.98N/0822252.78W **TYPE:** WP

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	DIPAC					004.22	5.00				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	FAIRFIELD COUNTY - RNAV (GPS) RWY 28			KLHQ	LANCASTER	OH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/10/2008

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: CMH APP CON
OTHER:

CANCELLED

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FANAP **STATE:** OH **COUNTRY:** US

LATITUDE/LONGITUDE: 393927.12N/0822350.01W **TYPE:** WP

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	DIPAC					184.22	5.00				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	FAIRFIELD COUNTY - RNAV (GPS) RWY 28			KLHQ	LANCASTER	OH (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/10/2008

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZID
ATC FACILITY: CMH APP CON
OTHER:

CANCELLED

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **LANCASTER** STATE: **OH**

AIRPORT NAME: **FAIRFIELD COUNTY** ID: **KLHQ**

PROCEDURE: **RNAV (GPS) RWY 28** AMDT: **1**

DOCKET#: **NOT REQUIRED**
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **3.27**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **274.11**
4. High Terrain in **FINAL** segment containing 1000' point **1140**
5. Distance from **THLD** to 1500' point **4.65**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.76**
7. True Course of **FINAL** segment containing 1500' point **274.11**
8. High Terrain in **FINAL** segment containing 1500' point **1140**
9. Threshold Coordinates (if straight-in) ... **394518.56N** / **0823853.59W**
10. ARP Coordinates ..... **394520.30N** / **0823925.55W**
11. Runway Approach End and distance furthest from ARP ..... RWY **28**
    Distance **0.41** NM
12. FAF Coordinates ..... **394457.01N** / **0823221.73W**

REMARKS: Approach/Drawing attached.