Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 09/19/2011	Task #: 2011061422491741002	Request #: 20110614224917
Procedure: RNAV (GPS) RWY 20 AMDT 1		Airport ID: KAIO	**Airport:** ATLANTIC MUNI		Reimbursable #:
City: ATLANTIC	**ST:** IA	GPS #:		Estimated Chart Date: 05/31/2012	FICO #:
Fac ID:	**Fac. Type:** LPV		**Specialist:** KISSY MAXFIELD		

LPV

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	11/30/2011	01/17/2012	JOSE ALFONSO	
QA:	01/17/2012	01/20/2012	STEVEN SZUKALA	
Liaison:	01/20/2012		Terrell	

PI

Procedure Comments: **Remark Type:** INFORMATION

pkg 2 of 2

ATLANTIC, IA ATLANTIC MUNI (KAIO) RNAV (GPS) RWY 20, AMDT 1 (LPV) ENROUTE-NO FC: 4.17.12 PUB: 5.31.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): LINDE-INT, REV 10; MADUP-INT, REV 10; OYOLU, REV 1; PUYIG, REV 1; VAKUC, REV 1; YODUG, REV 1.

CONTACT: JOSE ALFONSO/STEVE BARNETT, AJV-353 LEADS, 405.954.6378/9568:

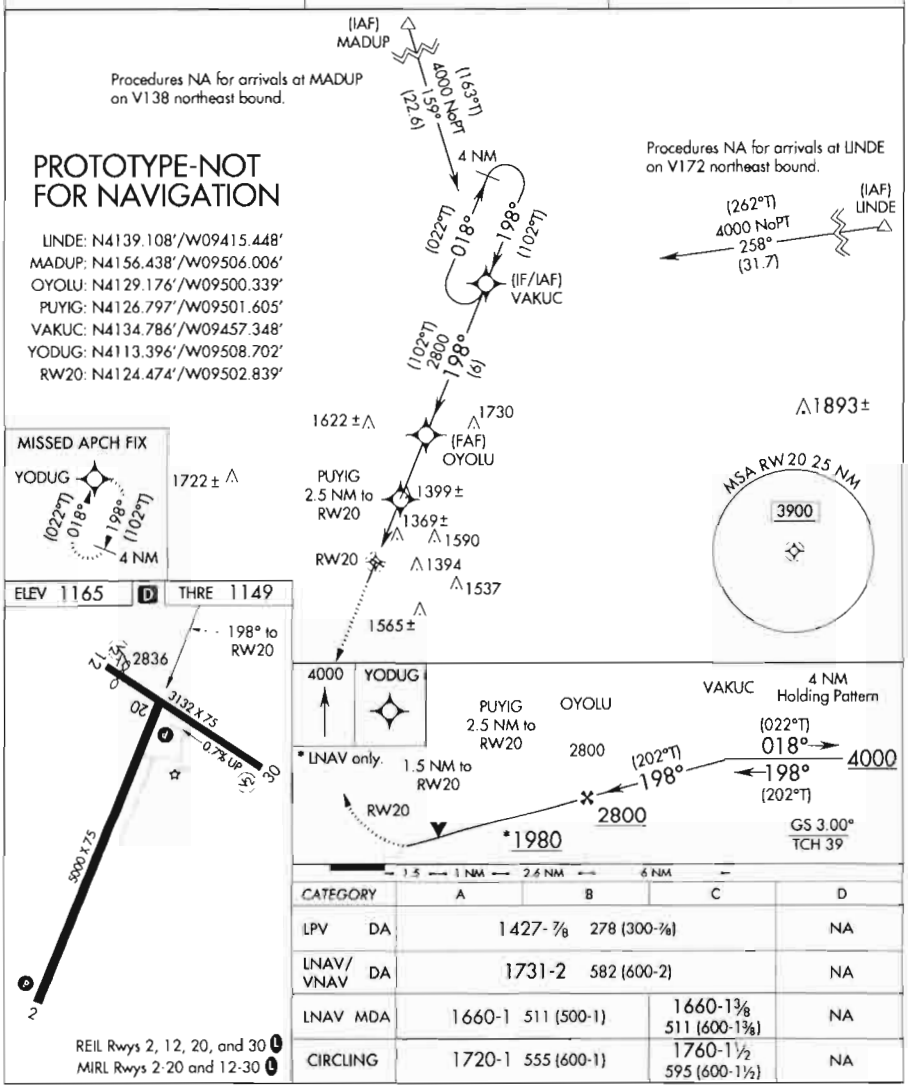
RNAV (GPS) RWY 20
ATLANTIC MUNI (AIO)

WAAS	APP CRS	Rwy Idg	5000
CH 82528	198°	THRE	1149
W20A		Apt Elev	1165

DME/DME RNP-0.3 NA. Baro-VNAV and VDP NA when using Harlan altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54C (130F). When local altimeter setting not received, use Harlan altimeter setting and increase all DA 49 feet and all MDA 60 feet, increase LPV visibility to 1⅛ all Cats, increase LNAV/VNAV visibility to 2¼ all Cats, increase LNAV Cat C visibility to 1⅝, increase Circling Cat C visibility to 1¾. When VGSI inop, Circling Rwy 12 NA at night. Circling Rwy 30 NA at night.

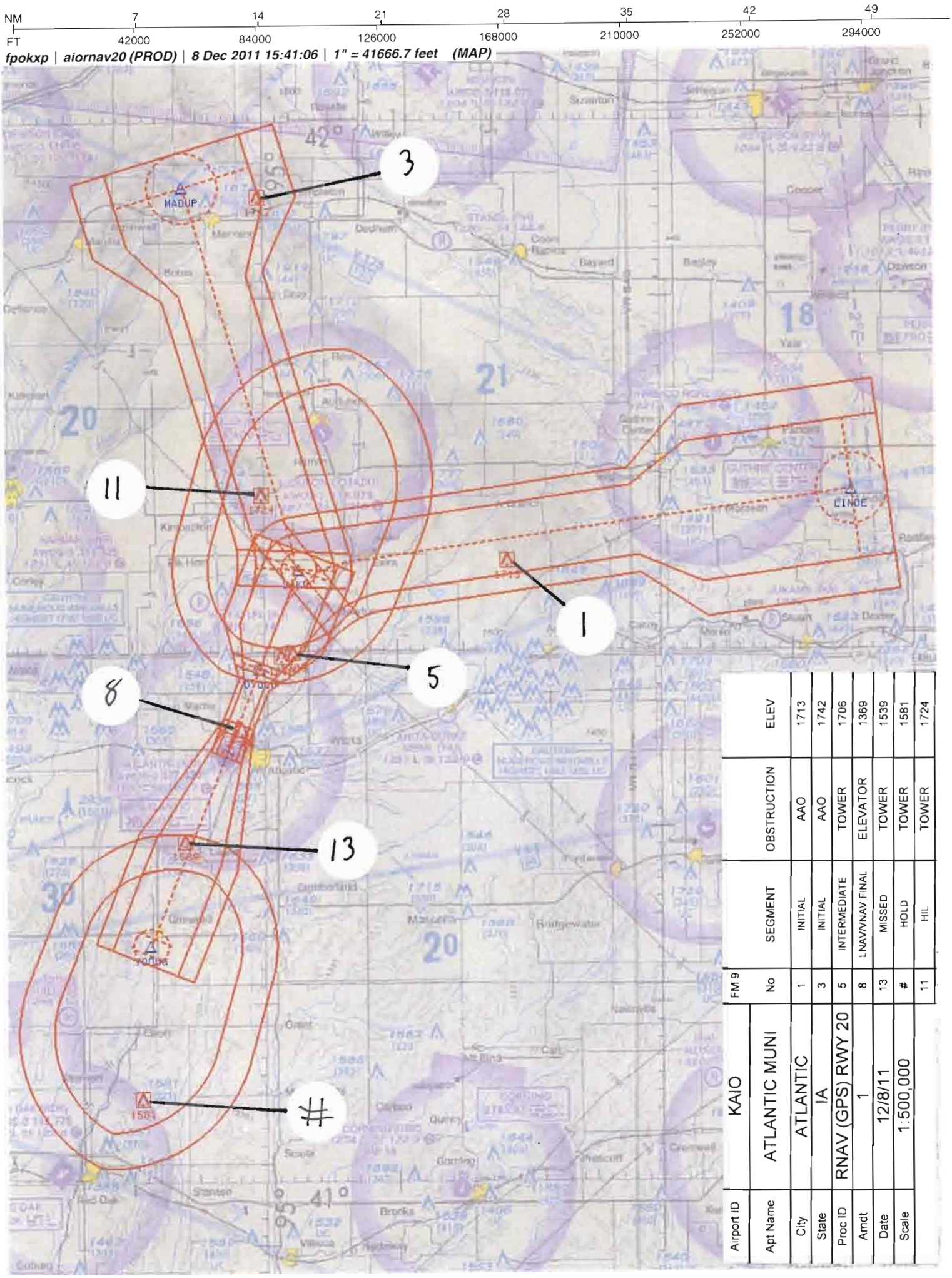
MISSED APPROACH: Climb to 4000 direct YODUG and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
127.825	119.6 290.4	122.7 (CTAF)



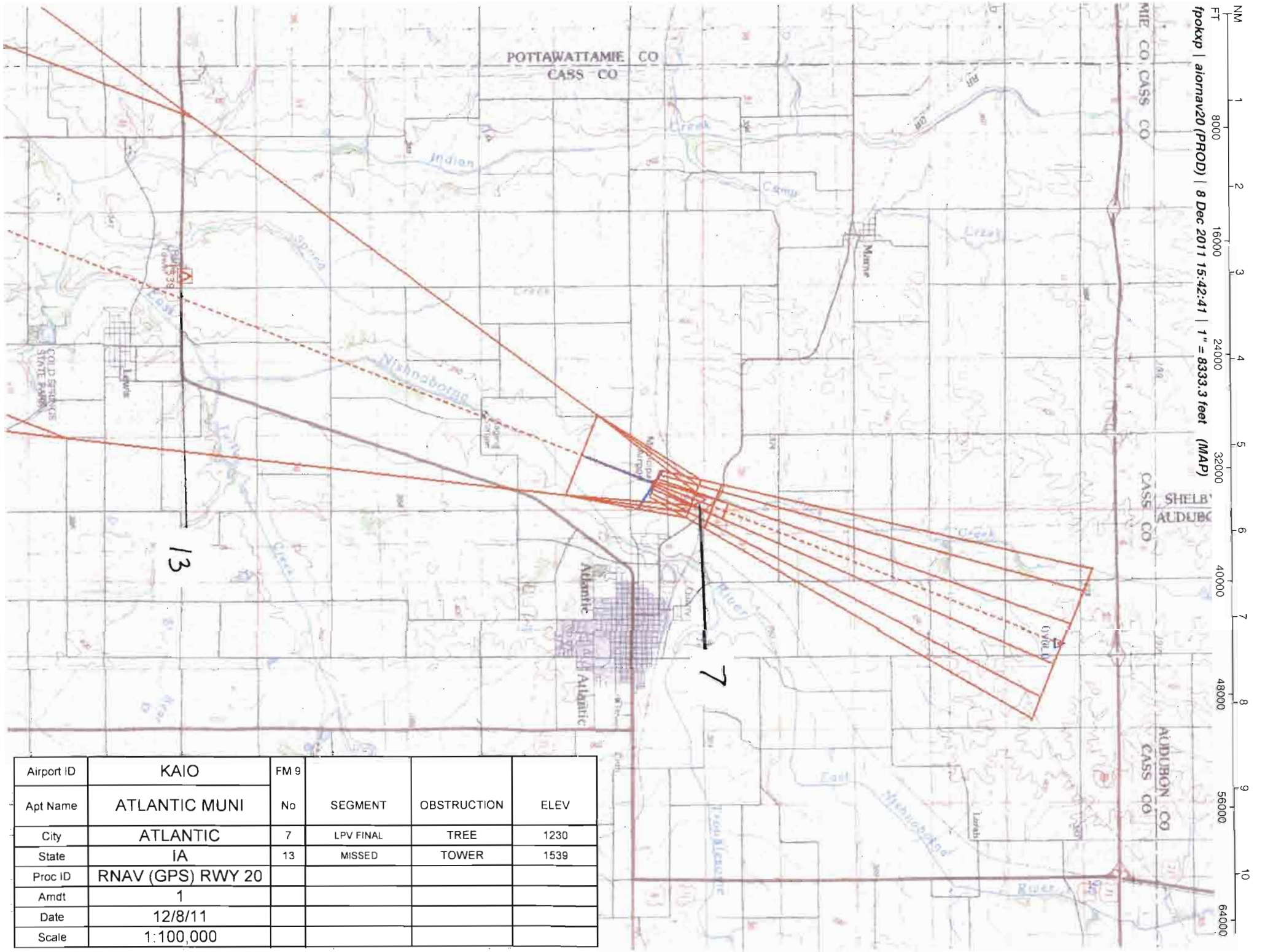
CATEGORY	A	B	C	D
LPV DA	1427-⅞	278 (300-⅞)		NA
LNAV/VNAV DA	1731-2	582 (600-2)		NA
LNAV MDA	1660-1	511 (500-1)	1660-1⅜ 511 (600-1⅜)	NA
CIRCLING	1720-1	555 (600-1)	1760-1½ 595 (600-1½)	NA

AUTOMATED AL-5314 RNAV (GPS) RWY 20
NC-3
12/19/11
COMPILER: AG
REVIEWER:
DBL CHKR:
EFF DATE: FIG
UID#: 24779

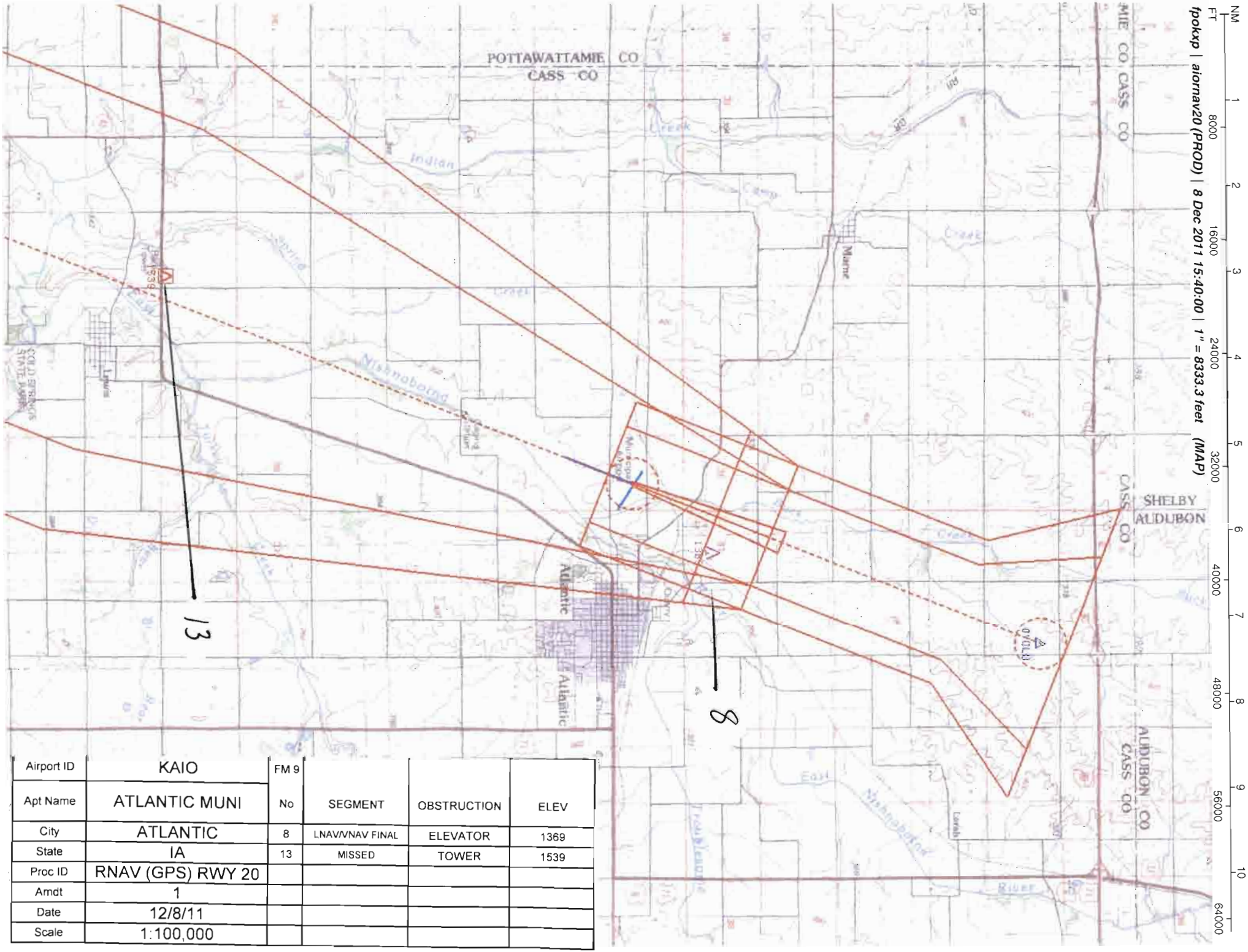


FM 9 No	SEGMENT	OBSTRUCTION	ELEV
1	INITIAL	AAO	1713
3	INITIAL	AAO	1742
5	INTERMEDIATE	TOWER	1706
8	LNAV/VNAV FINAL	ELEVATOR	1369
13	MISSED	TOWER	1539
#	HOLD	TOWER	1581
11	HIL	TOWER	1724

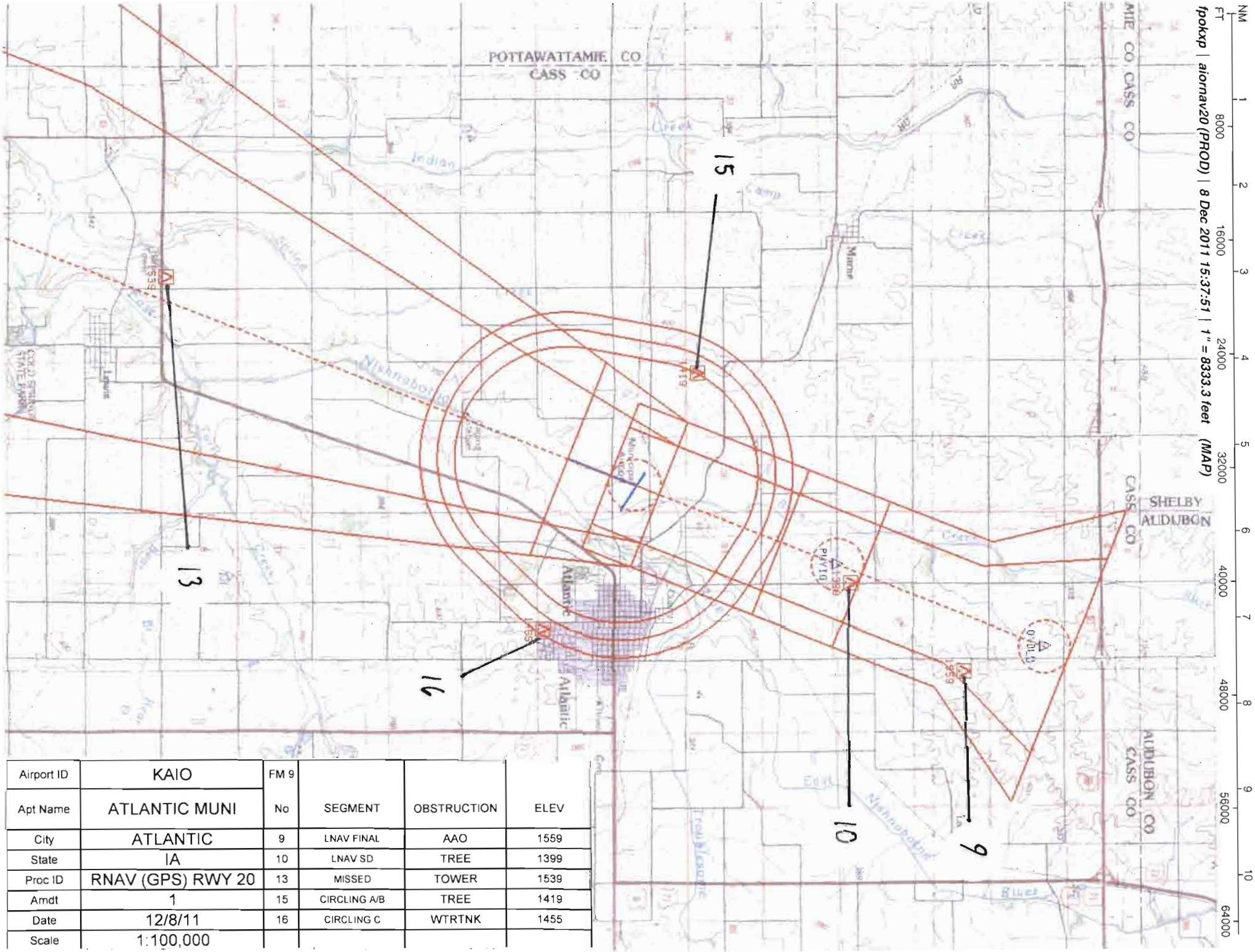
Airport ID	KAIO
Apt Name	ATLANTIC MUNI
City	ATLANTIC
State	IA
Proc ID	RNAV (GPS) RWY 20
Amdt	1
Date	12/8/11
Scale	1:500,000



Airport ID	KAIO	FM 9			
Apt Name	ATLANTIC MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City	ATLANTIC	7	LPV FINAL	TREE	1230
State	IA	13	MISSED	TOWER	1539
Proc ID	RNAV (GPS) RWY 20				
Amdt	1				
Date	12/8/11				
Scale	1:100,000				



Airport ID	KAIO	FM 9			
Apt Name	ATLANTIC MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City	ATLANTIC	8	LNAV/VNAV FINAL	ELEVATOR	1369
State	IA	13	MISSED	TOWER	1539
Proc ID	RNAV (GPS) RWY 20				
Amdt	1				
Date	12/8/11				
Scale	1:100,000				



Airport ID	KAIO	FM 9			
Apt Name	ATLANTIC MUNI	No	SEGMENT	OBSTRUCTION	ELEV
City	ATLANTIC	9	LNAV FINAL	AAO	1559
State	IA	10	LNAV SD	TREE	1399
Proc ID	RNAV (GPS) RWY 20	13	MISSED	TOWER	1539
Amdt	1	15	CIRCLING A/B	TREE	1419
Date	12/8/11	16	CIRCLING C	WTRTNK	1455
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
LINDE (IAF)	VAKUC (NOPT) (FB)	258.41 / 31.72	4000
MADUP (IAF)	VAKUC (NOPT) (FB)	159.28 / 22.59	4000
VAKUC (IF/IAF)	OYOLU (FB)	197.85 / 6.04	2800
OYOLU (FAF)	PUYIG/2.50 NM TO RW20 (FB)	197.82 / 2.56	
PUYIG/2.50 NM TO RW20	RW20 (MAP) (FO)	197.80 / 2.50	
RW20 (MAP)	1445 MSL	197.80	
1445 MSL	YODUG (FO)		4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW20

CLIMB TO 4000 DIRECT YODUG AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N VAKUC, RT, 197.85 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 197.82 FAF: OYOLU DIST FAF TO MAP: 5.06 THLD: 5.06
4. MIN. ALT: VAKUC 4000, OYOLU 2800, PUYIG/2.50 NM TO RW20 1980*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2800 GS ALT AT: OYOLU 2800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 39.0 34:1 IS CLEAR
8. MSA FROM: RW20 3900

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 017.72 INBOUND.
CHART FAS OBST: 1399 TREE 412652N/0950119W
DISTANCE TO THLD FROM 296 HATH: 0.81 NM.
CHART VDP AT 1.48 MILES TO RW20*
*LNAV ONLY.
WAAS CHANNEL # 82528
REFERENCE PATH ID: W20A
LTP HAE: 322.6 M

MAG VAR: 4E EPOCH YEAR: 1995

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	1445	1	296	1445	1	296	1445	1	296		NA				
LNAV/VNAV DA	1731	2	582	1731	2	582	1731	2	582		NA				
LNAV MDA	1660	1	511	1660	1	511	1660	1 3/8	511		NA				
CIRCLING	1720	1	555	1720	1	555	1760	1 1/2	595		NA				

NOTES:
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HARLAN ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARLAN ALTIMETER SETTING AND INCREASE (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1165 THRE: 1149 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ATLANTIC, IA	ATLANTIC MUNI	RNAV	RNAV (GPS) RWY 20, AMDT 1	AMDT: ORIG-A
				DATED 06/04/2009

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

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] **AMGR, ZMP**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:
JOSE ALFONSO (KISSY MAXFIELD)	**AJV-353**	**12/07/2011**

APPROVED BY		
NAME:	FIFO	DATE:
LARRY H STROUT **MANAGER**	**AJV-353**	

CHANGES:

1. VAKUC TO OYOLU DISTANCE CHANGED FROM 6.11 TO 6.04.
2. PUYIG TO MISSED DISTANCE CHANGED FROM 2.9 TO 2.5.
3. REMOVED 34:1 IS NOT CLEAR.
4. CHANGED FAF TO MAP DISTANCE FROM 4.99 TO 5.06.
5. ADDED LPV AND LNAV/VNAV LINES OF MINIMUMS.
6. ADDED BARO-VNAV NA WHEN USING HARLAN ALTIMETER SETTING NOTE.
7. ADDED UNCOMPENSATED BARO-VNAV NOTE.
8. UPDATED BACKUP ALTIMETER SETTING NOTE.
9. ADDED CIRCLING NA NOTE.
10. ADDED PROCEDURE NA FOR ARRIVALS AT MADUP.
11. ADDED PROCEDURE NA FOR ARRIVALS AT LINDE.
12. ADDED VDP.
13. LNAV CAT C VISIBILITY CHANGED FROM 1 1/2 TO 1 3/8.
14. LNAV HAT CHANGED FROM 508 TO 511.
SEE 8260-10

REASONS:

1, 4. OYOLU MOVED TO PFAF LOCATION.
2. MOVED SDF FOR A MORE STABLE DESCENT.
3, 17. NO 34:1 PENETRATIONS.
5, 16. PER FPT REQUEST.
6, 7. ADDED LNAV/VNAV LINE OF MINIMUM.
9. CIRCLING 20:1 PENETRATIONS TO RWY 12/30.
10, 11. TURN GREATER THAN 90 DEGREE.
12. OBSTACLES NO LONGER PENETRATE VDP SURFACES.
13. UPDATED TO 8260.18D CHANGE 20 CRITERIA.
14, 15. CALCULATED USING THRESHOLD ELEVATION.

PDF EDITS:
1. ADDED FAF TO OYOLU.
2. REMOVED 1980* ALTITUDE.
3. CHANGED ALTITUDE 1427 TO 4000.

QUALITY 2 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
ALL DA 49 FEET AND ALL MDA 60 FEET, INCREASE LPV VISIBILITY TO 1 1/8 ALL CATS, INCREASE LNAV/VNAV VISIBILITY TO 2 1/4 ALL CATS, INCREASE LNAV CAT C VISIBILITY TO 1 5/8, INCREASE CIRCLING CAT C VISIBILITY TO 1 3/4.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 12 NA AT NIGHT.
CHART PLANVIEW NOTE: PROCEDURES NA FOR ARRIVALS AT MADUP ON V138 NORTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURES NA FOR ARRIVALS AT LINDE ON V172 NORTHEAST BOUND.
CHART NOTE: CIRCLING RWY 30 NA AT NIGHT.

QUALITY 2 CHECKED

CITY AND STATE		FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	
ATLANTIC, IA	**ELEVATION: 1165 THRE: 1149** AIRPORT NAME: **ATLANTIC MUNI**	**RNAV**	**RNAV (GPS) RWY 20, AMDT 1**	SUP: AMDT: **ORIG-A** DATED: **06/04/2009**

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

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.

15. CIRCLING HAA CAT A/B CHANGED FROM 560 TO 555, CAT C CHANGED FROM 560 TO 595.

16. REMOVED CAT D LINE OF MINIMUM.

17. REMOVED VISIBILITY REDUCTION BY HELICOPTER NOTE.

REASONS:

QUALITY 2 CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAIO
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	412428.4390N
LTP/FTP LONGITUDE	0950250.3550W
LTP/FTP ELLIPSOIDAL HEIGHT	+03226
FPAP LATITUDE	412305.6600N
FPAP LONGITUDE	0950334.3000W
THRESHOLD CROSSING HEIGHT (TCH)	00039.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	FA5D739F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03502
FPAP ORTHOMETRIC HEIGHT	+03502

QUALITY 2 CHECKED

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

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:

QUALITY 2 CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   LINDE K30    C   L N41390645W094152686                    E0018     NAR           LINDE
        SUSAEAENRT   MADUP K30    C   L N41562625W095060037                    E0024     NAR           MADUP
        SUSAEAENRT   OYOLU K30    W     N41291057W095002036                    E0024     NAR           OYOLU
        SUSAEAENRT   PUYIG K30    W     N41264779W095013632                    E0024     NAR           PUYIG
        SUSAEAENRT   VAKUC K30    W     N41344713W094572089                    E0023     NAR           VAKUC
        SUSAEAENRT   YODUG K30    W     N41132374W095084214                    E0025     NAR           YODUG

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIOK3AAIO     0     050YHN41241380W095025550E004001165         1800018000C    MNAR    ATLANTIC MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIOK3FR20   ALINDE 010LINDEK3EA0E  A    IF                                          18000                A JS
        SUSAP KAIOK3FR20   ALINDE 020VAKUCK3EA0EE B 010TF                    25840317    + 04000                      A JS
        SUSAP KAIOK3FR20   AMADUP 010MADUPK3EA0E  A    IF                                          18000                A JS
        SUSAP KAIOK3FR20   AMADUP 020VAKUCK3EA0EE B 010TF                    15930226    + 04000                      A JS
        SUSAP KAIOK3FR20   AVAKUC 010VAKUCK3EA0EE AR   HF                    19790040    + 04000     18000            A JS
        SUSAP KAIOK3FR20   R      010VAKUCK3EA0E  I    IF                                + 04000     18000            A JS
        SUSAP KAIOK3FR20   R      020OYOLUK3EA1E  F 051TF                    19790060    + 02800                RW20  K3PGA JS
        SUSAP KAIOK3FR20   R      020OYOLUK3EA2WALPV       ALNAV/VNAV ALNAV                                           JS
        SUSAP KAIOK3FR20   R      021PUYIGK3EA0E S  031TF                    19780026    V 0198001984      -300         A JS
        SUSAP KAIOK3FR20   R      030RW20 K3PG0GY M 031TF                    19780025      01188           -300         A JS
        SUSAP KAIOK3FR20   R      040         0  M     CA                    1978        + 01445                      A JS
        SUSAP KAIOK3FR20   R      050YODUGK3EA0EY       DF                              + 04000                      A JS
        SUSAP KAIOK3FR20   R      060YODUGK3EA0EE  R    HM                    01770040    + 04000                      A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIOK3GRW20    0050001978 N41242844W095025036-0100     +0322601149000039075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIOK3PR20   RW20 001 0000W20A0N4124284390W09502503550+032260300N4123056600W0950334300010675122400039OF400500FA5D739F
        SUSAP KAIOK3PR20   RW20 002E      +03502+03502LPV       82528

                1         2         3         4         5         6         7         8         9         0         1         2
```

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: **1165** THRE: **1149**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTIC, IA	AIRPORT NAME: **ATLANTIC MUNI**	**RNAV**	**RNAV (GPS) RWY 20, AMDT 1**	AMDT: **ORIG-A**
				DATED: **06/04/2009**

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

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:

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```
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAIOK3SRW20 K3PG                0   18018003925                                                                        M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 1165 THRE: 1149	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTIC, IA	AIRPORT NAME: ATLANTIC MUNI	RNAV	RNAV (GPS) RWY 20, AMDT 1	AMDT: ORIG-A
				DATED: 06/04/2009

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

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**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	LINDE	LINDE	010	IAF	IF		FB					
	LINDE	VAKUC	020		TF		FB	1.0	258.4(262.4T)	031.7	AA 04000	
	MADUP	MADUP	010	IAF	IF		FB					
	MADUP	VAKUC	020		TF		FB	1.0	159.3(163.3T)	022.6	AA 04000	
	VAKUC	VAKUC	010	IAF	HF	R	FO		197.9(201.9T)	004.0	AA 04000	
		VAKUC	010	FACF	IF		FB				AA 04000	
		OYOLU	020	FAF	TF		FB	0.5	197.9(201.9T)	006.0	AA 02800	
		PUYIG	021	SDF	TF		FB	0.3	197.8(201.8T)	002.6	AA 01980 GS 01984	
		RW20	030	MAP	TF		FO	0.3	197.8(201.8T)	002.5	AT 01188	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		197.8(201.8T)		AA 01445	
	YODUG	050		DF		FO				AA 04000	
	YODUG	060		HM	R	FO		017.7(021.7T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LINDE	N413906.45	W0941526.86	N4139.108	W09415.448
	MADUP	N415626.25	W0950600.37	N4156.438	W09506.006
	OYOLU	N412910.57	W0950020.36	N4129.176	W09500.339
	PUYIG	N412647.79	W0950136.32	N4126.797	W09501.605
	VAKUC	N413447.13	W0945720.89	N4134.786	W09457.348
	YODUG	N411323.74	W0950842.14	N4113.396	W09508.702
	RW20	N412428.44	W0950250.36	N4124.474	W09502.839

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20	01149	39

CITY AND STATE	ELEVATION: **1165** THRE: **1149**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ATLANTIC, IA	AIRPORT NAME: **ATLANTIC MUNI**	**RNAV**	**RNAV (GPS) RWY 20, AMDT 1**	AMDT: **ORIG-A**
				DATED: **06/04/2009**

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

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.
INITIAL	LINDE	VAKUC	1. AAO	413448.00N/0944133.00W	1713 (4E)	1000	AT1287	4000
			2. TERRAIN	413451.00N/0944130.00W	1513 (1500)		AS1500	3000
INITIAL	MADUP	VAKUC	3. AAO	415527.00N/0950018.00W	1742 (4E)	1000	AT1258	4000
			4. TERRAIN	415527.00N/0950051.00W	1542 (1500)		AS1500	3000
INTERMEDIATE	VAKUC (IF/IAF)	OYOLU	5. TOWER (19-001591)	412939.60N/0945746.02W	1706 (2C)	500	AT594	2800
			6. TERRAIN	413451.00N/0945745.00W	1454 (1500)		AS1000	2500
FINAL: LPV	OYOLU	RW20	7. TREE (KAIOT0297)	412455.79N/0950234.44W	1230 (2C)	34:1	AC20 MA46	1445/296
FINAL: LNAV/VNAV	OYOLU	RW20	8. ELEVATOR	412519.10N/0950145.45W	1369 (4D)	23.4:1	AC50	1731/582
			(19-020226)					
FINAL: LNAV	OYOLU	PUYIG/2.50 NM TO	9. AAO	412810.35N/0945957.64W	1559 (2C)	250	RA49 DG122	1980
		RW20						
FINAL: LNAV STEPDOWN	PUYIG/2.50 NM TO	RW20	10. TREE	412652.08N/0950119.35W	1399 (2C)	250		1660
	RW20							
2. HOLD-IN-LIEU-OF-PT	VAKUC	P-5	11. TOWER (19-002083)	413835.70N/0950008.40W	1724 (2B)	1000	AT1276	4000
			12. TERRAIN	414054.00N/0950118.00W	1516 (1500)		AS1500	3000
3. MISSED APPROACH MAP:	DA / DA / RW20	YODUG	7. TREE (KAIOT0297)	412455.79N/0950234.44W	1230 (2C)	ASC	AC20	4000
			13. TOWER (19-000120)	411900.00N/0950603.00W	1539 (4D)	1000		2600
ELEV:	1238/1581/1560		14. TERRAIN	411330.00N/0951112.00W	1326 (1300)		AS1500	2800

4. CIRCLING AREA	DISTANCE	REQUIRED	ACTUAL	HT. ABV. ARPT.
CATEGORY A	1.3 NM	350	555	
CATEGORY B	1.5 NM	450	555	
CATEGORY C	1.7 NM	450	595	
CATEGORY D	2.3 NM	550		
CATEGORY E	4.5 NM	550		

15. TREE	412507.00N/0950433.00W	1419 (2C)	300		1720
15. TREE	412507.00N/0950433.00W	1419 (2C)	300		1720
16. WTRTNK	412320.12N/0950036.91W	1455 (2C)	300		1760

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW20

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (19-000450)	244/ 10.2	2836 (5D)	3900					

QUALITY 2 CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ATLANTIC, IA	ELEVATION: 1165 AIRPORT NAME: ATLANTIC MUNI	RNAV	RNAV (GPS) RWY 20, AMDT 1	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZMP ARTCC FOD FSS	N W S / F A A / A / C — OTHER: AWOS-3	SOURCE: KAIO / KHNR DISTANCE: 0 / 17.01 HOURS REMOTE OPERATION: 24
SATISFACTORY ON:		
X V H F X U H F H F	LOCATION: KAIO	ADJUSTMENT: 0 / 49

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

	ALS
	(S) SALS
	MALS
	HIRL
X	MIRL 12 (PCL), 02 (PCL), 20 (PCL), 30 (PCL)
X	REIL 12 (PCL), 02, 20, 30 (PCL)
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-2L 02, 20 PSIL 12, 30

5. APPROACH & RUNWAY LIGHTING

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 12, 02, 20, 30
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 1149.0
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 39.0

9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: JOSE ALFONSO (KISSY MAXFIELD)	DATE: 12/07/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

RASS PRESSURE PATTERNS SAME
KAIO 1165, KHNR 1231
RA=48.34

TAA NOT DEVELOPED PER ATC REQUEST.

VGSI DATA: 3.00/38.9

VEGETATION HEIGHT 80 FT USED PER FPO.

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL"
PENETRATIONS:
20:1:
RWY 12 (HIGHEST 5 PENETRATIONS LISTED):
1291 TREE (KAIOT0088) 412442.68N/0950324.92W (31.29)
1293 TREE (KAIOT0089) 412444.14N/0950325.42W (27.66)
1293 TREE (KAIOT0111) 412444.28N/0950327.56W (20.45)
1229 TREE (KAIOT0087) 412437.72N/0950313.58W (19.17)
1258 TREE (KAIOT0118) 412441.45N/0950320.33W (16.33)
RWY 30:
1183 TREE (KAIOT0334) 412418.82N/0950223.08W (37.20)
1170 TREE (KAIOT0320) 412417.31N/0950222.39W (17.83)
1189 TREE (KAIOT0324) 412412.21N/0950220.61W (17.08)

LPV SLOPE: 34:1
LNAV/VNAV: 23.4:1

AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION. HISTORICAL WEATHER DATA NOT AVAILABLE.

KAIO AWOS ON SERVICE A.
KHNR AWOS ON SERVICE A.

REQUEST FLIGHT CHECK 4D ACCURACY CODE ON OBSTACLE #8.

INTERMEDIATE SEGMENT OBSTACLE DIFFER FROM EACH INITIAL TRANSITION, USED HIGHEST TERRAIN..

BARO-VNAV NA ABOVE 88C (190F), CHARTED 54C (130F).

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

SEE ATTACHED AIRSPACE LETTER.

RADIO FIX AND HOLDING DATA RECORD

NAME: LINDE **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 413906.45N/0941526.86W **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	NEWTON	TNU	VOR/DME	L	258.65	261.65	52.21	52.21		3500	17500
2	FORT DODGE	FOD	VORTAC	H	171.33	178.33	57.56	57.56		4000	17500
3	DES MOINES	DSM	VORTAC	H	288.29	295.29	30.29	30.29		3500	17500
4	OMAHA	OVR	VORTAC	H	058.00	066.00	72.84	72.84		5500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TNU	VOR/DME	R-259	53	3000	17500
FOD	VORTAC	R-171	58	4000	17500
OVR	VORTAC	R-058	73	5500	17500

FIX RESTRICTIONS:
MRA ALL 5500

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	SE		WP	156.37	336.37	R		6	3500	10000	7	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	TOWER (19-001543)	412910.38N/0942930.48W	1703	2C
1	230	TOWER (19-001260)	412856.00N/0940443.00W	1493	5E

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 5500.
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

REMARKS:
NEWTON (FAC 1) AND FORT DODGE (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V172	1, 2				(US)
EN ROUTE	V175	2, 3				(US)
IAP	RNAV (GPS) RWY 20			KAIO	ATLANTIC	IA (US)
IAP	RNAV (GPS) RWY 25			KGFZ	GREENFIELD	IA (US)
IAP	RNAV (GPS) RWY 18			KGCT	GUTHRIE CENTER	IA (US)
IAP	RNAV (GPS) RWY 36			KGCT	GUTHRIE CENTER	IA (US)
IAP	RNAV (GPS) RWY 32			KEFW	JEFFERSON	IA (US)
IAP	NDB RWY 14	1, 2, 3, 4		KPRO	PERRY	IA (US)
IAP	NDB RWY 32	1, 2, 3, 4		KPRO	PERRY	IA (US)
IAP	RNAV (GPS) RWY 14		1	KPRO	PERRY	IA (US)
IAP	RNAV (GPS) RWY 32		1	KPRO	PERRY	IA (US)
IAP	RNAV (GPS) RWY 14			K3Y3	WINTERSET	IA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FAC 1 BEARING TO AIRWAY BEARING FROM 258.66/261.66 TO 258.65/261.65.
UPDATED FAC 3 BEARING TO AIRWAY BEARING FROM 288.36/25.36 TO 288.29/295.29 AND DISTANCE FROM FAC FROM 30.30/30.30 TO 30.29/30.29.
UPDATED FAC 4 DISTANCE FROM 72.83/72.83 TO 72.84/72.84.

DEVELOPED BY: **DATE:** 01/14/2012 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

QUALITY 2 CHECKED

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY: DSM APCH
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MADUP **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 415626.25N/0950600.37W **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	SIOUX CITY	SUX	VORTAC	L	104.51	113.51	59.74	59.74		5500	17500
2	OMAHA	OVR	VORTAC	H	023.52	031.52	54.54	54.54		4500	17500
3	FORT DODGE	FOD	VORTAC	H	215.00	222.00		53.89		3900	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FOD	VORTAC	R-215	54	3900	14500
SUX	VORTAC	R-105	60	5500	17500
OVR	VORTAC	R-024	55	4500	14500

FIX RESTRICTIONS:
MRA V138 5500

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

REMARKS:
SIOUX CITY (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V138	1, 2, 3				(US)
EN ROUTE	V175	1, 2				(US)
IAP	RNAV (GPS) RWY 20			KAIO	ATLANTIC	IA (US)
IAP	NDB RWY 32	1, 2		KADU	AUDUBON	IA (US)
IAP	NDB RWY 30	1, 2		KDNS	DENISON	IA (US)
IAP	RNAV (GPS) RWY 18			KGCT	GUTHRIE CENTER	IA (US)
IAP	GPS RWY 15			KHNR	HARLAN	IA (US)
IAP	RNAV (GPS) RWY 14			KEFW	JEFFERSON	IA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
CHANGED MAKEUP FACILITIES FAC 2 DISTANCE FROM FAC NM FROM 54.53 TO 54.54, AND BRG FROM 024.52/032.52 TO 23.52/031.52.

DEVELOPED BY: **DATE:** 12/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OYOLU **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412910.57N/0950020.36W **TYPE:** WP

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

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

REMARKS:
RNP PFAF CRITERIA APPLIED IAW 8260.54A FORMULA 2-16B.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 20			KAIO	ATLANTIC	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
REMOVED FAC 1 FROM FIX MAKE-UP FACILITIES.
MOVED FIX 414 FT SOUTHWEST.

DEVELOPED BY: **DATE:** 12/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PUYIG **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 412647.79N/0950136.32W **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 20			KAIO	ATLANTIC	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
REMOVED FIX MAKE-UP FACILITIES FAC 1.
MOVED FIX 2440 FEET SOUTHWEST.

DEVELOPED BY: **DATE:** 12/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VAKUC **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 413447.13N/0945720.89W **TYPE:** WP

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

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	N		WP	017.85	197.85	R		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-002083)	413836.00N/0950008.00W	1724	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 2		1	KAIO	ATLANTIC	IA (US)
IAP	RNAV (GPS) RWY 20		1	KAIO	ATLANTIC	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
REMOVED FAC 1 FROM FIX MAKE-UP FACILITIES.
MOVED HOLDING LIMITED TO ESTABLISHED PATTERN NOTE FROM REMARKS TO HOLDING RESTRICTIONS.
ADDED PRECIPITOUS TERRAIN REMARK.

DEVELOPED BY: **DATE:** 12/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: YODUG **STATE:** IA **COUNTRY:** US

LATITUDE/LONGITUDE: 411323.74N/0950842.14W **TYPE:** WP

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

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	S		WP	197.72	017.72	R		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (19-000216)	410420.00N/0950924.00W	1581	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 2		1	KAIO	ATLANTIC	IA (US)
IAP	RNAV (GPS) RWY 20		1	KAIO	ATLANTIC	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
ADDED PRECIPITOUS TERRAIN REMARK.
REMOVED FAC 1 FROM FIX MAKE-UP FACILITIES.
MOVED HOLDING LIMITED TO ESTABLISHED PATTERN NOTE FROM REMARK TO RESTRICTIONS.

DEVELOPED BY: **DATE:** 12/05/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (KISSY MAXFIELD)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

QUALITY 2 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **ATLANTIC** STATE: **IA**

AIRPORT NAME: **ATLANTIC MUNI** ID: **KAIO**

PROCEDURE: **RNAV (GPS) RWY 20** 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 (Enter THLD, FAF, ARP, FACILITY, as appropriate)	**THLD**	to 1000' point	**4.12**
2. Width of (Enter appropriate segment, final, intermediate, etc.)	**FINAL**	segment at 1000' point	**1.26**
3. True Course of	**FINAL**	segment containing 1000' point	**201.85**
4. High Terrain in	**FINAL**	segment containing 1000' point	**1454**
5. Distance from (If 1500' point in PT maneuvering area or holding pattern note in remarks)	**FAF**	to 1500' point	**4.01**
6. Width of	**INTERMEDIATE**	segment at 1500' point	**3.60**
7. True Course of	**INTERMEDIATE**	segment containing 1500' point	**201.85**
8. High Terrain in	**INTERMEDIATE**	segment containing 1500' point	**1454**

9. Threshold Coordinates (if straight-in) ... **412428.44N** / **0950250.36W**

10. ARP Coordinates ..... **412413.80N** / **0950255.50W**

11. Runway Approach End and distance furthest from ARP ..... RWY **2**

Distance **0.57** NM

12. FAF Coordinates ..... **412910.57N** / **0950020.36W**

REMARKS: Approach/Drawing attached.