Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 01/30/2012	Task #: 2008061618983780003	Request #: 20080616189837
Procedure: RNAV (GPS) RWY 32 ORIG		Airport ID: KDXX	Airport: LAC QUI PARLE COUNTY		Reimbursable #:
City: MADISON	ST: MN	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID:	Fac. Type: Proc-S	Specialist: RODNEY RUMSEY			

Procedure Review

P1

LPV

MAG VAR

	Rec'd	Rel'd	Full Name	Comments
Lead:	04/24/2012	07/09/2012	STEVEN SZUKALA	
QA:	07/09/2012	07/09/2012	STEVEN SZUKALA	
Liaison:	07/09/2012		H. Spurlin	P1; MAGVAR

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

PKG 2 of 4

MADISON, MN; LAC QUI PARLE COUNTY (KDXX); RNAV (GPS) RWY 32, ORIG; ENROUTE-YES; FC BY 9/18/12; PUB 11/15/12.

ATTACHED FORMS: 8260-3, 8260-9, 8260-10.
8260-2 (S): CLAPS, REV 6 (INT) INFO; LALRE, ORIG; RISLE, REV 2 (INT); WERUL, ORIG; YIYNO, ORIG; ZIRER, ORIG.

CONTACT: LARRY STROUT/JILL OLSON, 405.954.5070/0414

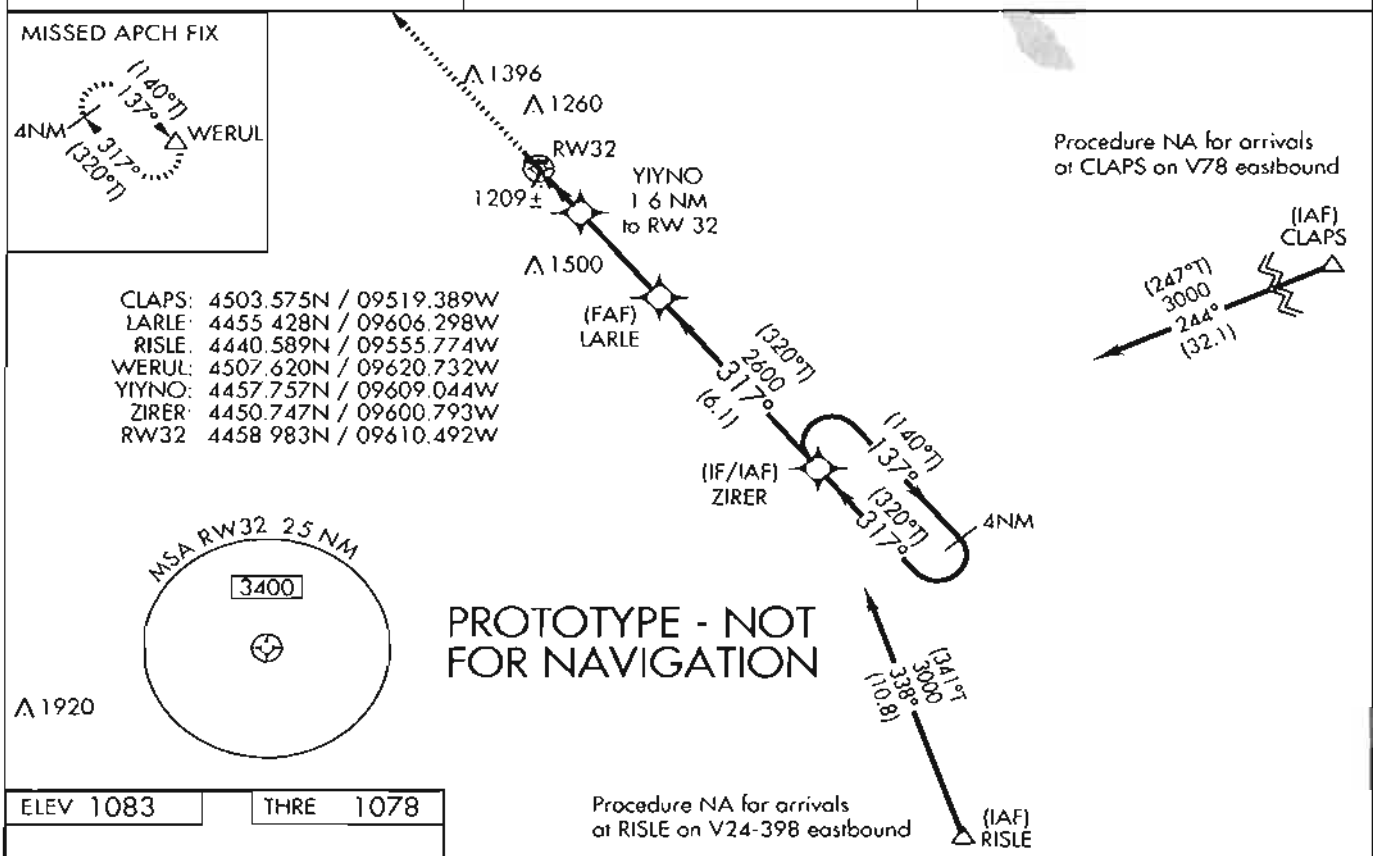
WAAS CH 53530 W32A	APP CRS 317°	Rwy ldg 3300 THRE 1078 Apt Elev 1083

RNAV (GPS) RWY 32
MADISON/LAC QUI PARLE COUNTY (DXX)

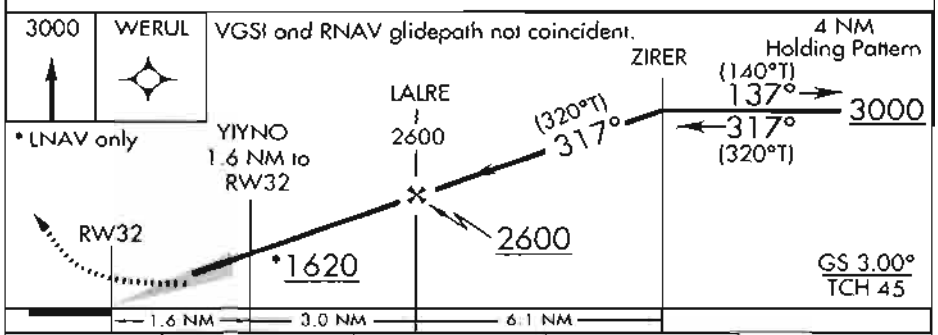
⚠ Baro-VNAV NA when using Appleton Muni altimeter setting. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -17°C (2°F) or above 54°C (130°F). When local altimeter setting not received, use Appleton Muni altimeter setting and increase all DA 46 feet, increase all MDA 60 feet, and visibility LNAV/VNAV all Cats to 1⅛ mile, LNAV Cat C to 1⅜ mile, Circling Cat C to 1¾ mile. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 3000 direct WERUL and hold.

AWOS-3	MINNEAPOLIS CENTER	UNICOM
341	128.5 306.2	122.8 (CTAF)



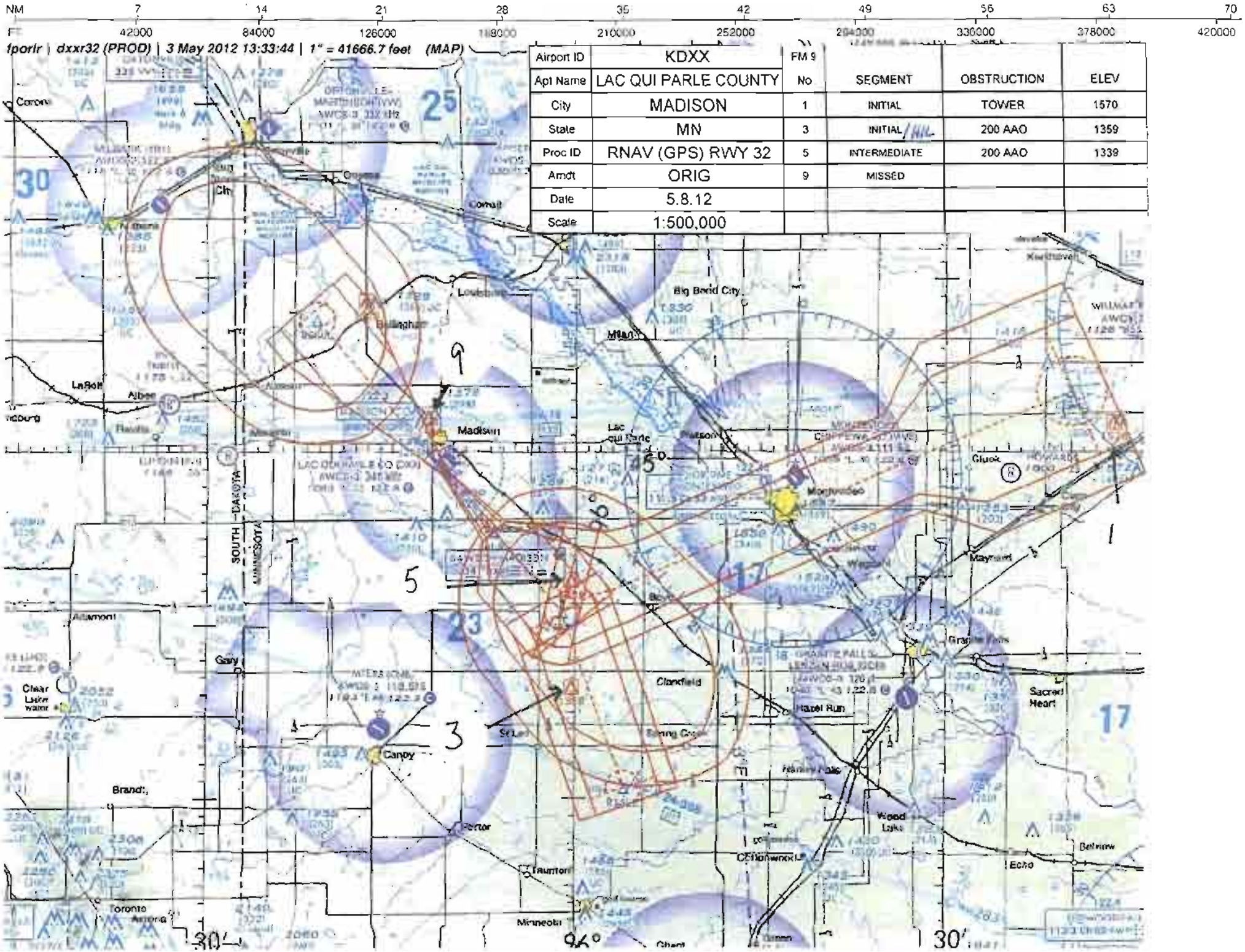
ELEV 1083	THRE 1078

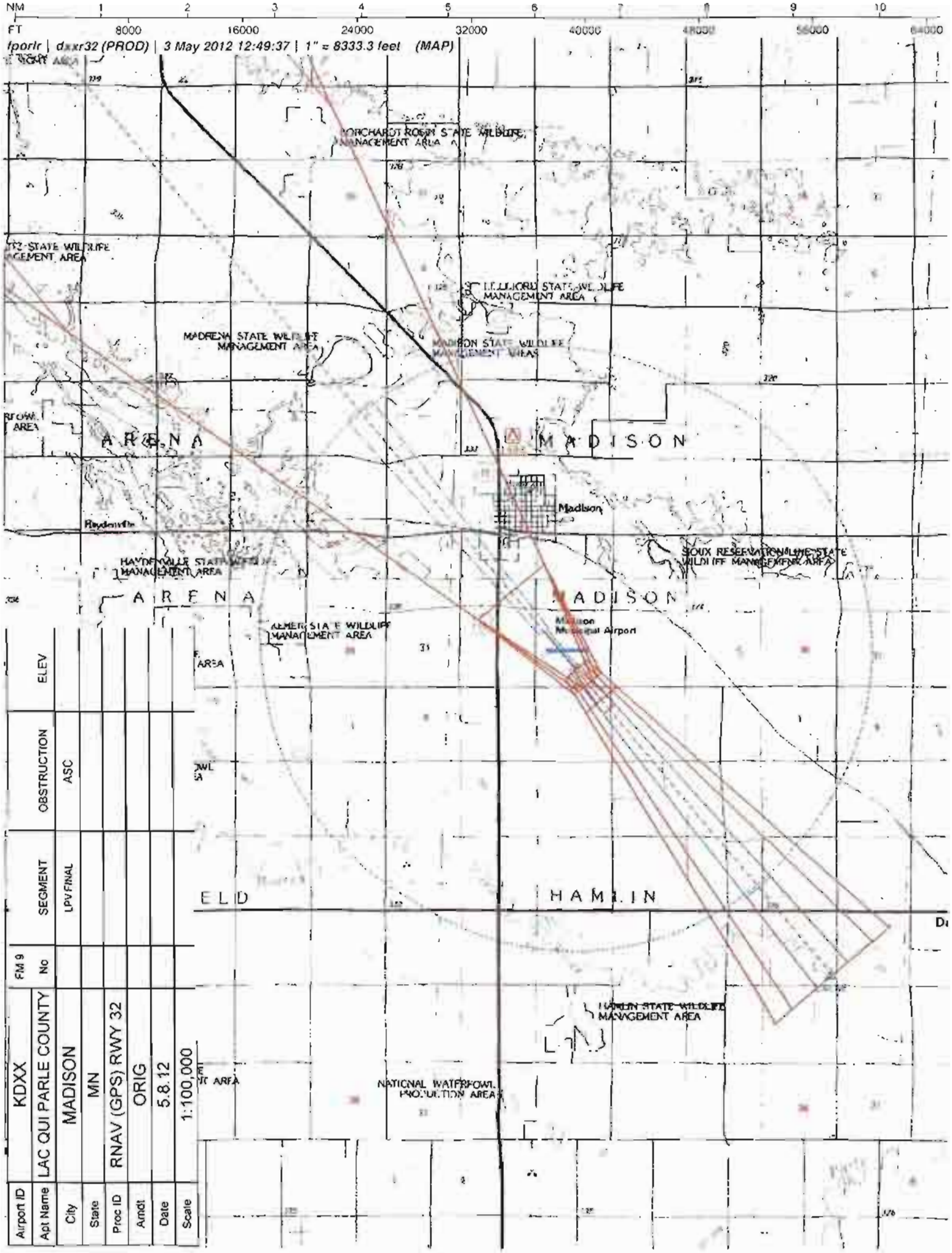


CATEGORY		A	B	C	D
LPV	DA	1278-¾ 200 (200-¾)			NA
LNAV/VNAV	DA	1359-⅞ 281 (300-⅞)			NA
LNAV	MDA	1460-1 382 (400-1)		1460-1⅛ 382 (400-1⅛)	NA
CIRCLING		1640-1 557 (600-1)		1640-1½ 557 (600-1½)	NA

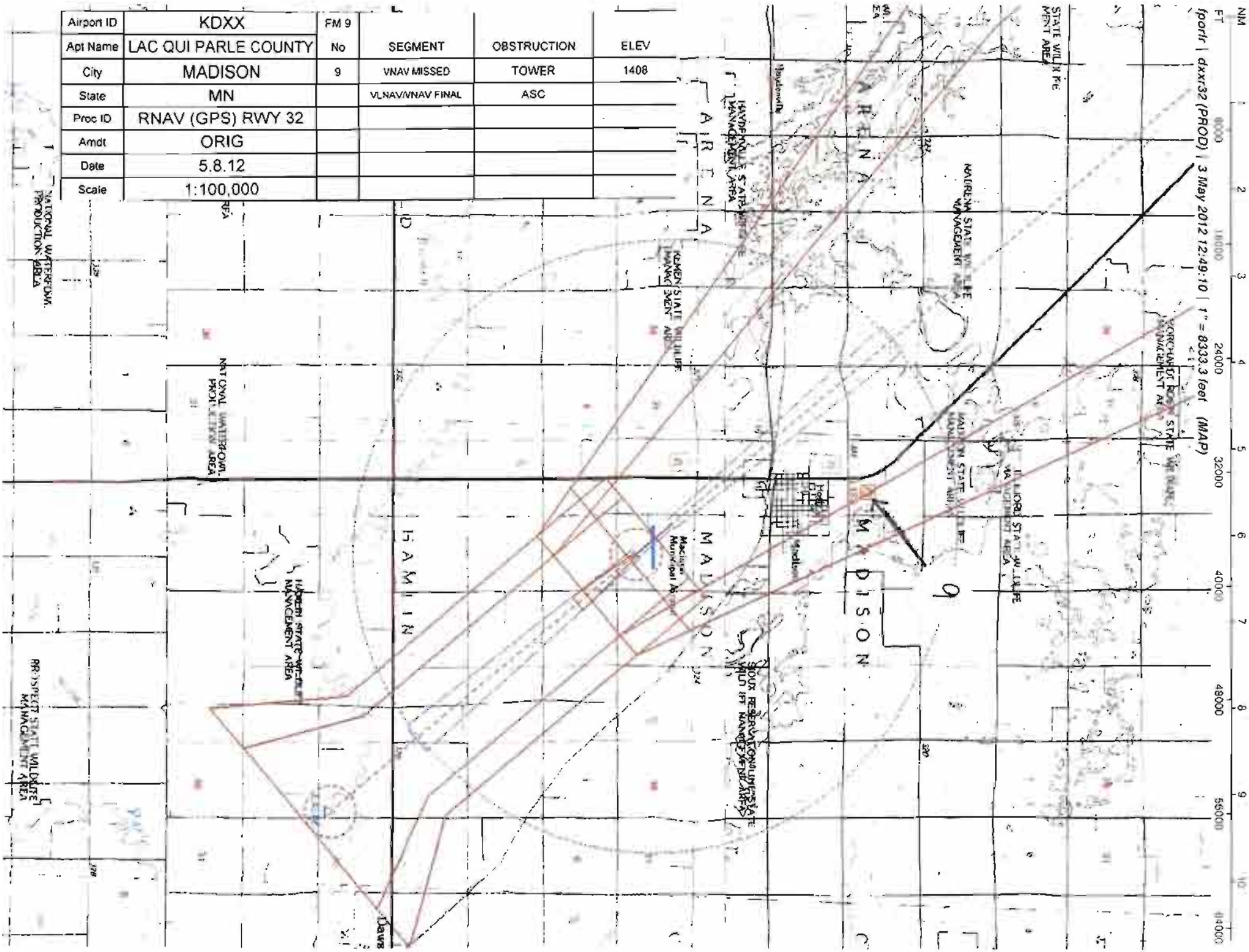
fporlr | dxxr32 (PROD) | 3 May 2012 13:33:44 | 1" = 41666.7 feet (MAP)

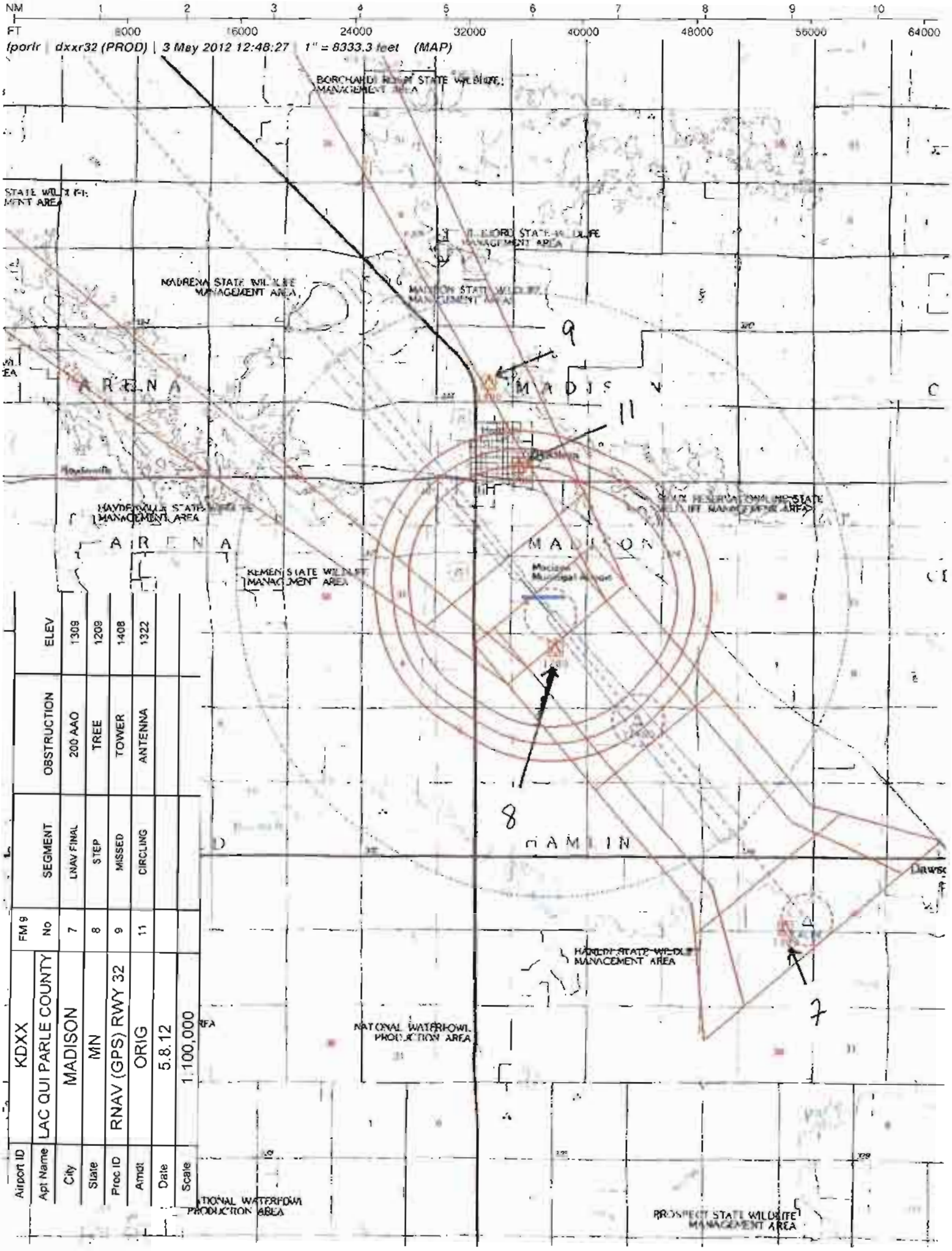
Airport ID	KDXX	FM 9			
Apt Name	LAC QUI PARLE COUNTY	No	SEGMENT	OBSTRUCTION	ELEV
City	MADISON	1	INITIAL	TOWER	1570
State	MN	3	INITIAL/HIL	200 AAO	1359
Proc ID	RNAV (GPS) RWY 32	5	INTERMEDIATE	200 AAO	1339
Amdt	ORIG	9	MISSED		
Date	5.8.12				
Scale	1:500,000				




NM 1 2 3 4 5 6 7 8 9 10
FT 8000 16000 24000 32000 40000 48000 56000 64000
fporlr | dxxr32 (PROD) | 3 May 2012 12:49:37 | 1" = 8333.3 feet (MAP)
ORCHARD ROBIN STATE WILDLIFE MANAGEMENT AREA
MADRENA STATE WILDLIFE MANAGEMENT AREA
MADISON STATE WILDLIFE MANAGEMENT AREAS
ARENA
MADISON
Madison
HAYDEN VALLEY STATE WILDLIFE MANAGEMENT AREA
SIOUX RESERVATION LINE STATE WILDLIFE MANAGEMENT AREA
ARENA
MADISON
ALMER STATE WILDLIFE MANAGEMENT AREA
Madison Municipal Airport
ELD
HAMLIN
HAMLIN STATE WILDLIFE MANAGEMENT AREA
NATIONAL WATERFOWL PRODUCTION AREA
ELEV
OBSTRUCTION
ASC
SEGMENT
LPV FINAL
FM 9
No
KDXX
LAC QUI PARLE COUNTY
MADISON
MN
RNAV (GPS) RWY 32
ORIG
5.8.12
1:100,000
Airport ID
Apt Name
City
State
Proc ID
Amdt
Date
Scale

Airport ID	KDXX	FM 9			
Apt Name	LAC QUI PARLE COUNTY	No	SEGMENT	OBSTRUCTION	ELEV
City	MADISON	9	VNAV MISSED	TOWER	1408
State	MN		VLNAV/VNAV FINAL	ASC	
Proc ID	RNAV (GPS) RWY 32				
Amdt	ORIG				
Date	5.8.12				
Scale	1:100,000				





ELEV	OBSTRUCTION	SEGMENT	FM 9 No
1309	200 AAO	LNAV FINAL	7
1208	TREE	STEP	8
1408	TOWER	MISSED	9
1322	ANTENNA	CIRCLING	11

Airport ID	KDXX
Apt Name	LAC QUI PARLE COUNTY
City	MADISON
State	MN
Proc ID	RNAV (GPS) RWY 32
Amdt	ORIG
Date	5.8.12
Scale	1:100,000

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CLAPS (IAF)	ZIRER (NOPT) (FB)	243.67 / 32.08	3000
RISLE (IAF)	ZIRER (NOPT) (FB)	337.64 / 10.77	3000
ZIRER (IF/IAF)	LALRE (FB)	317.13 / 6.10	2600
LALRE (FAF)	YIYNO/1.60 NM TO RW32 (FB)	317.07 / 3.04	
YIYNO/1.60 NM TO RW32	RW32 (MAP) (FO)	317.04 / 1.60	
RW32 (MAP)	1278 MSL	317.04	
1278 MSL	WERUL (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW32

CLIMB TO 3000 DIRECT WERUL AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 136.89 INBOUND.
CHART FAS OBST: 1209 TREE 445830N/0961024W
DISTANCE TO THLD FROM 200 HATH: 0.49 NM.
WAAS CHANNEL # 53530
REFERENCE PATH ID: W32A
LTP HAE: 302.6 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE ZIRER, RT, 317.13 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 317.07 FAF: LALRE DIST FAF TO MAP: 4.64 THLD: 4.64
4. MIN. ALT: ZIRER 3000, LALRE 2600, YIYNO/1.60 NM TO RW32 1620*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: LALRE 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM: RW32 3400

MAG VAR: 3E EPOCH YEAR: 2015

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	1278	1	200	1278	1	200	1278	1	200		NA				
LNAV/VNAV DA	1359	1	281	1359	1	281	1359	1	281		NA				
LNAV MDA	1460	1	382	1460	1	382	1460	1 1/8	382		NA				
CIRCLING	1640	1	557	1640	1	557	1640	1 1/2	557		NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING APPLETON MUNI ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE APPLETON MUNI ALTIMETER SETTING AND INCREASE ALL DA 46 FT, INCREASE ALL MDA 60 FT, AND VISIBILITY LNAV/VNAV ALL CATS TO 1 1/8 MILE, (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1083 THRE: 1078	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, MN	AIRPORT NAME: LAC QUI PARLE COUNTY	RNAV	RNAV (GPS) RWY 32, ORIG	AMDT: NONE
				DATED

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] **APT MGR, ZMP**

FLIGHT CHECKED BY		
NAME: **ROSS LARSON**	FIFO **FIOG**	DATE: **08/22/2012**
DEVELOPED BY		
NAME: **RODNEY L. RUMSEY**	FIFO **AJV-353**	DATE: **05/15/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES

1. ORIGINAL PROCEDURE.

REASONS:

1. FPO REQUEST.

9/10/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/15/2012.
1. VISIBILITY FOR LPV DA RAISED FROM 3/4 TO 1 MILE ALL CATS.
2. VISIBILITY FOR LVAN/VNAV DA RAISED FROM 7/8 TO 1 MILE ALL CATS.

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NOTES, (CONT.):
LNAV CAT C TO 1 3/8 MILE, CIRCLING CAT C TO 1 3/4 MILE.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT RISLE ON V24-398 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT CLAPS ON V78 EASTBOUND.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1083 THRE: 1078	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, MN	AIRPORT NAME: LAC QUI PARLE COUNTY	RNAV	RNAV (GPS) RWY 32, ORIG	AMDT: NONE
				DATED:

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:

QUALITY 2 CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDXX
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	445858.9550N
LTP/FTP LONGITUDE	0961029.5020W
LTP/FTP ELLIPSOIDAL HEIGHT	+03026
FPAP LATITUDE	450007.2200N
FPAP LONGITUDE	0961150.1800W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1744
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	EB16ACAE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03286
FPAP ORTHOMETRIC HEIGHT	+03286

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1083 THRE: 1078	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
MADISON, MN	AIRPORT NAME: LAC QUI PARLE COUNTY	RNAV	RNAV (GPS) RWY 32, ORIG	AMDT: NONE
				DATED:

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:

QUALITY 2 CHECKED

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 PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CLAPS K30    C   L N45033450W095192336                      E0023     NAR           CLAPS
        SUSAEAENRT   LALRE K30    W     N44552569W096061787                      E0029     NAR           LALRE
        SUSAEAENRT   RISLE K30    C   L N44403532W095554642                      E0028     NAR           RISLE
        SUSAEAENRT   WERUL K30    W     N45073717W096204394                      E0031     NAR           WERUL
        SUSAEAENRT   YIYNO K30    W     N44574540W096090263                      E0029     NAR           YIYNO
        SUSAEAENRT   ZIRER K30    W     N44504481W096004755                      E0028     NAR           ZIRER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDXXK3ADXX     0     033YHN44591117W096104029E003001083         1800018000C    MNAR    LAC QUI PARLE COUNTY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDXXK3FR32   ACLAPS 010CLAPSK3EA0E  A    IF                                          18000                A JS
        SUSAP KDXXK3FR32   ACLAPS 020ZIRERK3EA0EE B 010TF                     24370321    + 03000                      A JS
        SUSAP KDXXK3FR32   ARISLE 010RISLEK3EA0E  A    IF                                          18000                A JS
        SUSAP KDXXK3FR32   ARISLE 020ZIRERK3EA0EE B 010TF                     33760108    + 03000                      A JS
        SUSAP KDXXK3FR32   AZIRER 010ZIRERK3EA0EE AR   HF                     31710040    + 03000     18000            A JS
        SUSAP KDXXK3FR32   R      010ZIRERK3EA0E  I    IF                                 + 03000     18000            A JS
        SUSAP KDXXK3FR32   R      020LALREK3EA1E  F 051TF                     31710061    + 02600                 RW32  K3PGA JS
        SUSAP KDXXK3FR32   R      020LALREK3EA2WALPV       ALNAV/VNAV ALNAV                                              JS
        SUSAP KDXXK3FR32   R      021YIYNOK3EA0E S  031TF                     31710030    V 0162001633        -300      A JS
        SUSAP KDXXK3FR32   R      030RW32 K3PG0GY M 031TF                     31700016      01123             -300      A JS
        SUSAP KDXXK3FR32   R      040         0  M     CA                     3170        + 01278                     A JS
        SUSAP KDXXK3FR32   R      050WERULK3EA0EY      DF                                 + 03000                     A JS
        SUSAP KDXXK3FR32   R      060WERULK3EA0EE  R   HM                     13690040    + 03000                     A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDXXK3GRW32    0033003170 N44585896W096102950+0100    +0302601078000045075R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDXXK3PR32   RW32 001 0000W32A0N4458589550W09610295020+030260300N4500072200W096115018001067517440004 50F400350EB16ACAE
        SUSAP KDXXK3PR32   RW32 002E      +03286+03286LPV       53530

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

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 1083 THRE: 1078	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, MN	AIRPORT NAME: **LAC QUI PARLE COUNTY**	**RNAV**	**RNAV (GPS) RWY 32, ORIG**	AMDT: **NONE**
				DATED:

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:

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```
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KDXXK3SRW32 K3PG                0    18018003425                                                          M
```

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 1083 THRE: 1078	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, MN	AIRPORT NAME: LAC QUI PARLE COUNTY	RNAV	RNAV (GPS) RWY 32, ORIG	AMDT: NONE
				DATED:

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**

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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
	CLAPS	CLAPS	010	IAF	IF		FB					
	CLAPS	ZIRER	020		TF		FB	1.0	243.7(246.7T)	032.1	AA 03000	
	RISLE	RISLE	010	IAF	IF		FB					
	RISLE	ZIRER	020		TF		FB	1.0	337.6(340.6T)	010.8	AA 03000	
	ZIRER	ZIRER	010	IAF	HF	R	FO		317.1(320.1T)	004.0	AA 03000	
		ZIRER	010	FACF	IF		FB				AA 03000	
		LALRE	020	FAF	TF		FB	0.5	317.1(320.1T)	006.1	AA 02600	
		YIYNO	021	SDF	TF		FB	0.3	317.1(320.1T)	003.0	AA 01620 GS 01633	
		RW32	030	MAP	TF		FO	0.3	317.0(320.0T)	001.6	AT 01123	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		317.0(320.0T)		AA 01278	
	WERUL	050		DF		FO				AA 03000	
	WERUL	060		HM	R	FO		136.9(139.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CLAPS	N450334.50	W0951923.36	N4503.575	W09519.389
	LALRE	N445525.69	W0960617.87	N4455.428	W09606.298
	RISLE	N444035.32	W0955546.42	N4440.589	W09555.774
	WERUL	N450737.17	W0962043.94	N4507.620	W09620.732
	YIYNO	N445745.40	W0960902.63	N4457.757	W09609.044
	ZIRER	N445044.81	W0960047.55	N4450.747	W09600.793
	RW32	N445858.96	W0961029.50	N4458.983	W09610.492

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	01078	45

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: **1083**	**THRE: 1078**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
MADISON, MN	AIRPORT NAME: **LAC QUI PARLE COUNTY**		**RNAV**	**RNAV (GPS) RWY 32, ORIG**	AMDT: **NONE**
					DATED:

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.
INITIAL	CLAPS	ZIRER	1. TOWER (27-001375)	450123.00N/0951558.00W	1570 (5D)	1000	AT430	3000
			2. TERRAIN	445212.00N/0960000.00W	1136 (1100)		AS1500	2600
INITIAL	RISLE	ZIRER	3. 200 AAO	444603.00N/0960000.00W	1359 (2C)	1000	AT641	3000
			4. TERRAIN	444603.00N/0960000.00W	1159 (1200)		AS1500	2700
INTERMEDIATE	ZIRER (IF/IAF)	LALRE	5. 200 AAO	445212.00N/0960000.00W	1339 (2C)	500		1900
			6. TERRAIN	445212.00N/0960000.00W	1139 (1100)		AS1500	2600
FINAL: LPV	LALRE	RW32				ASC		1278/200
FINAL: LNAV/VNAV	LALRE	RW32	7. TREE	445830.00N/0961024.00W	1209 (2C)	PDA		1359/281
FINAL: LNAV	LALRE	YIYNO/1.60 NM TO RW32	8. 200 AAO	445515.00N/0960639.00W	1309 (2C)	250	RA46	1620
FINAL: LNAV STEPDOWN	YIYNO/1.60 NM TO RW32	RW32	7. TREE	445830.00N/0961024.00W	1209 (2C)	250		1460
2. HOLD-IN-LIEU-OF-PT	ZIRER	P-5	3. 200 AAO	444603.00N/0960000.00W	1359 (2C)	1000	AT641	3000
			4. TERRAIN	444603.00N/0960000.00W	1159 (1200)		AS1500	2700
3. MISSED APPROACH — MAP:	DA / DA / RW32	WERUL				ASC		3000
			9. TWR (KDXXT0155)	450134.55N/0961129.82W	1408 (2C)	1000		2500
ELEV:	1114/1209/1360		10. TERRAIN	450300.00N/0961706.00W	1149 (1100)		AS1500	2600

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	557	11. ANT (KDXXT0154)	450037.18N/0961100.62W	1322 (2C)	300		1640
CATEGORY B	1.5 NM	450	557	11. ANT (KDXXT0154)	450037.18N/0961100.62W	1322 (2C)	300		1640
CATEGORY C	1.7 NM	450	557	11. ANT (KDXXT0154)	450037.18N/0961100.62W	1322 (2C)	300		1640
CATEGORY D	2.3 NM	550							
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW32

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (27-000920)	031/ 13.3	2318 (5D)	3400					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 1083 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
MADISON, MN	LAC QUI PARLE COUNTY	RNAV	RNAV (GPS) RWY 32, ORIG	AGL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZMP ARTCC ATY FSS	[ ] N W S [ ] F A A [ ] A / C OTHER: AWOS-3	SOURCE: KDXX / KAQP DISTANCE: 16.2 HOURS REMOTE OPERATION: 0 / 24
SATISFACTORY ON: [X] V H F [X] U H F [ ] H F	LOCATION: KDXX	ADJUSTMENT: 0 / 60

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 14 (PCL), 32 (PCL)
	X	REIL 14
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4L 14 (PCL), 32 (PCL)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 14, 32
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 1078.1
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 45.0
9. FINAL APPROACH COURSE AIMING	X RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: RODNEY L. RUMSEY	DATE: 05/15/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

BARO-VNAV BASED ON STANDARD ISA DEVIATION. WEATHER HISTORY UNAVAILABLE DUE TO WEB SITE FAILURE.

VGSI DATA: 3.00/23.2

SERVICE A AVAILABLE AT KDXX AND KAQP.

VDP NA, LESS THAN .5NM AFTER STEPDOWN FIX.

LPV SLOPE: 34:1
LNAV/VNAV SLOPE: 23.44:1

TAA NOT APPLIED PER ATC REQUEST.

RASS PRESSURE PATTERNS SAME
KDXX 1082.7 MSL, KAQP 1021 MSL
RA = 46.
SEE ATTACHED AIRSPACE LETTER.

100 FT VEG USED PER FTW.

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CLAPS **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 450334.50N/0951923.36W **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	DARWIN	DWN	VORTAC	L	260.72	267.72	37.00	37.00		3300	17500
2	REDWOOD FALLS	RWF	VOR/DME	H	339.87	346.87		36.50		3300	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V78	1, 2				(US)
IAP	NDB RWY 14	1, 2		KBBB	BENSON	MN (US)
IAP	RNAV (GPS) RWY 32			KBBB	BENSON	MN (US)
IAP	RNAV (GPS) RWY 30			KCNB	CANBY	MN (US)
IAP	RNAV (GPS) RWY 32			KDXX	MADISON	MN (US)
IAP	RNAV (GPS) RWY 14			KMVE	MONTEVIDEO	MN (US)
IAP	RNAV (GPS) RWY 13			KBDH	WILLMAR	MN (US)
IAP	RNAV (GPS) RWY 31			KBDH	WILLMAR	MN (US)
IAP	VOR RWY 13	1, 2		KBDH	WILLMAR	MN (US)
IAP	VOR RWY 31	1, 2		KBDH	WILLMAR	MN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 07/29/2010

REASON FOR REVISION:
DELETED FAC 3
ADDED DIST FROM FAC 1 AND 2.
RAISED FAC 1 AND 2 MRA FROM 3000 TO 3300.
CHANGED FAC 2 MAG BRG/TRUE BRG FROM 339.88/346.80 TO 339.87/346.87.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/26/2010 **OFFICE:** AVN-120 **NAME:** DEANNA FIELDS

APPROVED BY: **DATE:** 05/26/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

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

INFORMATION ONLY

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LALRE **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 445525.69N/0960617.87W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 32			KDXX	MADISON	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/03/2012 **OFFICE:** AJV-353 **NAME:** RODNEY RUMSEY

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: RISLE **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 444035.32N/0955546.42W **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	REDWOOD FALLS	RWF	VOR/DME	H	283.34	290.34	36.59	36.59		3800	17500
2	MONTEVIDEO	MVE	VOR/DME	T	202.65	207.65	20.05	20.05		3800	12000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V24-398	1, 2				(US)
IAP	RNAV (GPS) RWY 33			KGDB	GRANITE FALLS	MN (US)
IAP	RNAV (GPS) RWY 32			KDXX	MADISON	MN (US)
IAP	RNAV (GPS) RWY 32			KMVE	MONTEVIDEO	MN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
UPDATED FAC 2 BEARING FROM 207.67T TO 207.65T AND DME FROM 20.06 TO 20.05.
ADDED WP TO FIX TYPE.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 06/19/2012 **OFFICE:** AJV-353 **NAME:** RODNEY RUMSEY

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER: MSP APP CON

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WERUL **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 450737.17N/0962043.94W **TYPE:** WP

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

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	NW		WP	316.89	136.89	R		4	3000	5000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-020176)	450815.54N/0961641.22W	1328	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 14		1	KDXX	MADISON	MN (US)
IAP	RNAV (GPS) RWY 32		1	KDXX	MADISON	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/03/2012 **OFFICE:** AJV-353 **NAME:** RODNEY RUMSEY

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: YIYNO **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 445745.40N/0960902.63W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 32			KDXX	MADISON	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/03/2012 **OFFICE:** AJV-353 **NAME:** RODNEY RUMSEY

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: ZIRER **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 445044.81N/0960047.55W **TYPE:** WP

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

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	SE		WP	137.13	317.13	R		4	3000	5000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	200 AAO	444603.00N/0960000.00W	1359	2C

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 14		1	KDXX	MADISON	MN (US)
IAP	RNAV (GPS) RWY 32		1	KDXX	MADISON	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 05/03/2012 **OFFICE:** AJV-353 **NAME:** RODNEY RUMSEY

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: **MADISON** STATE: **MN**

AIRPORT NAME: **LAC QUI PARLE COUNTY** ID: **KDXX**

PROCEDURE: **RNAV (GPS) RWY 32** AMDT: **ORIG**

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 **3.08**
   (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 **320.07**
4. High Terrain in **FINAL** segment containing 1000' point **1109**
5. Distance from **THLD** to 1500' point **4.64**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **2.00**
7. True Course of **FINAL** segment containing 1500' point **320.07**
8. High Terrain in **FINAL** segment containing 1500' point **1109**
9. Threshold Coordinates (if straight-in) ... **445858.96N** / **0961029.50W**
10. ARP Coordinates ..... **445911.17N** / **0961040.29W**
11. Runway Approach End and distance furthest from ARP ..... RWY **14**
    Distance **0.31** NM
12. FAF Coordinates ..... **445525.69N** / **0960617.87W**

REMARKS: Approach/Drawing attached.