Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 03/03/2011	Task #: 2011030331593901002	Request #: 20110303315939
Procedure: RNAV (GPS) RWY 32 ORIG		Airport ID: KFMM	Airport: FORT MORGAN MUNI		Reimbursable #:
City: FORT MORGAN	ST: CO	GPS #:		Estimated Chart Date: 07/26/2012	FICO #:
Fac ID:	Fac. Type: LNAV	Specialist: DAVID JENNER(Contractor)			

Procedure Review

P1

	Rec'd	Rel'd	Full Name	Comments
Lead:	02/03/2012	04/16/2012	STEVEN SZUKALA	
QA:	04/16/2012	04/16/2012	STEVEN SZUKALA	
Liaison:	04/16/2012		Alfonso	MAGVAR - CONCURRENT WITH AIRSPACE

MAG VAR

Procedure Comments:

Remark Type: INFORMATION

pk 7/1.f4

FORT MORGAN, CO FORT MORGAN MUNI (KFMM) RNAV (GPS) RWY 32, ORIG (LNAV) ENROUTE-NO FC: 5.29.12 PUB: 7.26.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): ECUDI, ORIG; JADEK, ORIG; HARPU, ORIG; KASEC, ORIG; LAYCE, ORIG.

CONTACT: ADOLFO URRUTIA, AJV-354 LEAD, 405.954.2079:

APP CRS	Rwy ldg	5219
324°	THRE	4501
	Apt Elev	4569

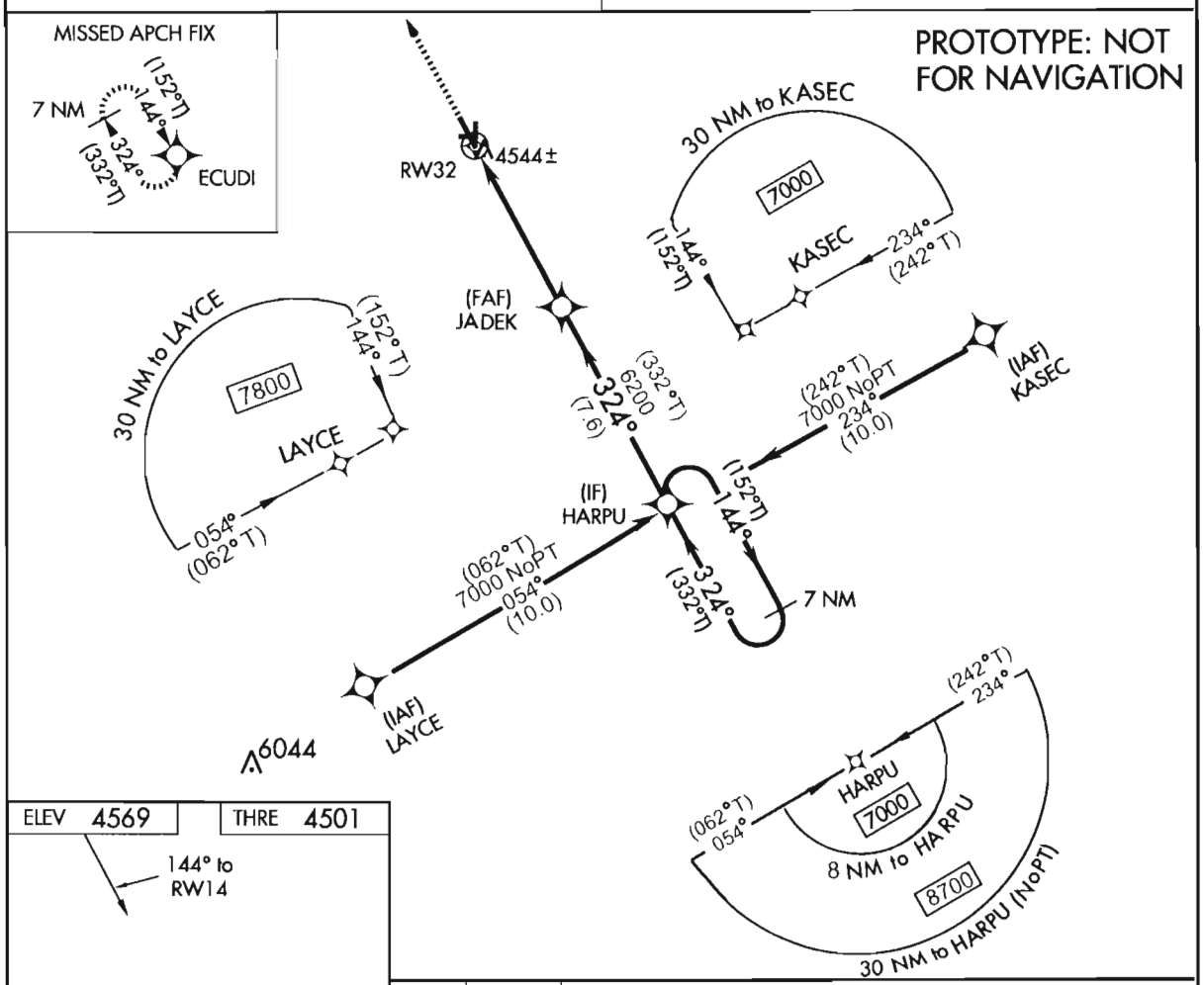
RNAV (GPS) RWY 32
FORT MORGAN MUNI (FMM)

When VGSI inop, Circling Rwy 14 NA at night. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Akron altimeter setting and increase all MDA 100 feet, and increase LNAV Cats C and D visibility ⅛ mile.

NA

MISSED APPROACH: Climb to 7000 direct ECUDI and hold.

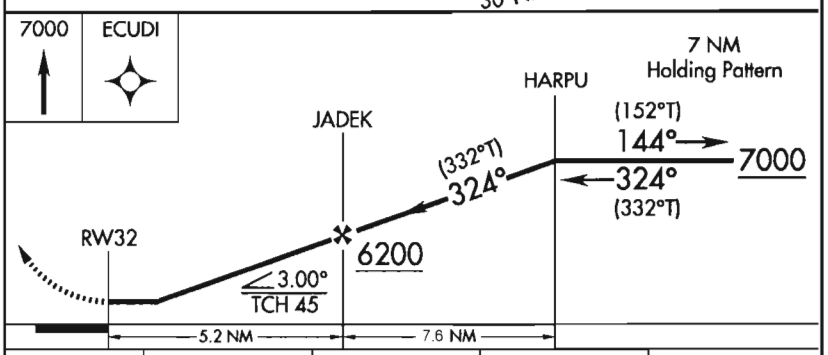
AWOS-3	UNICOM
132.95	123.05 (CTAF)



ELEV 4569 THRE 4501

144° to RW14

ECUDI: 4031.534/10356.451
HARPU: 4008.435/10340.155
JADEK: 4015.132/10344.858
KASEC: 4013.167/10328.659
LAYCE: 4003.685/10351.625
RW32: 4019.705/10348.079



CATEGORY	A	B	C	D
LNAV MDA	4800-1 299 (300-1)			
CIRCLING	4960-1 391 (400-1)	5020-1 451 (500-1)	5040-1½ 471 (500-1½)	5120-2 551 (600-2)

REIL Rwy 32
MIRL Rwy 14-32

AUTOMATED AL-10684 RNAV (GPS) RWY 32

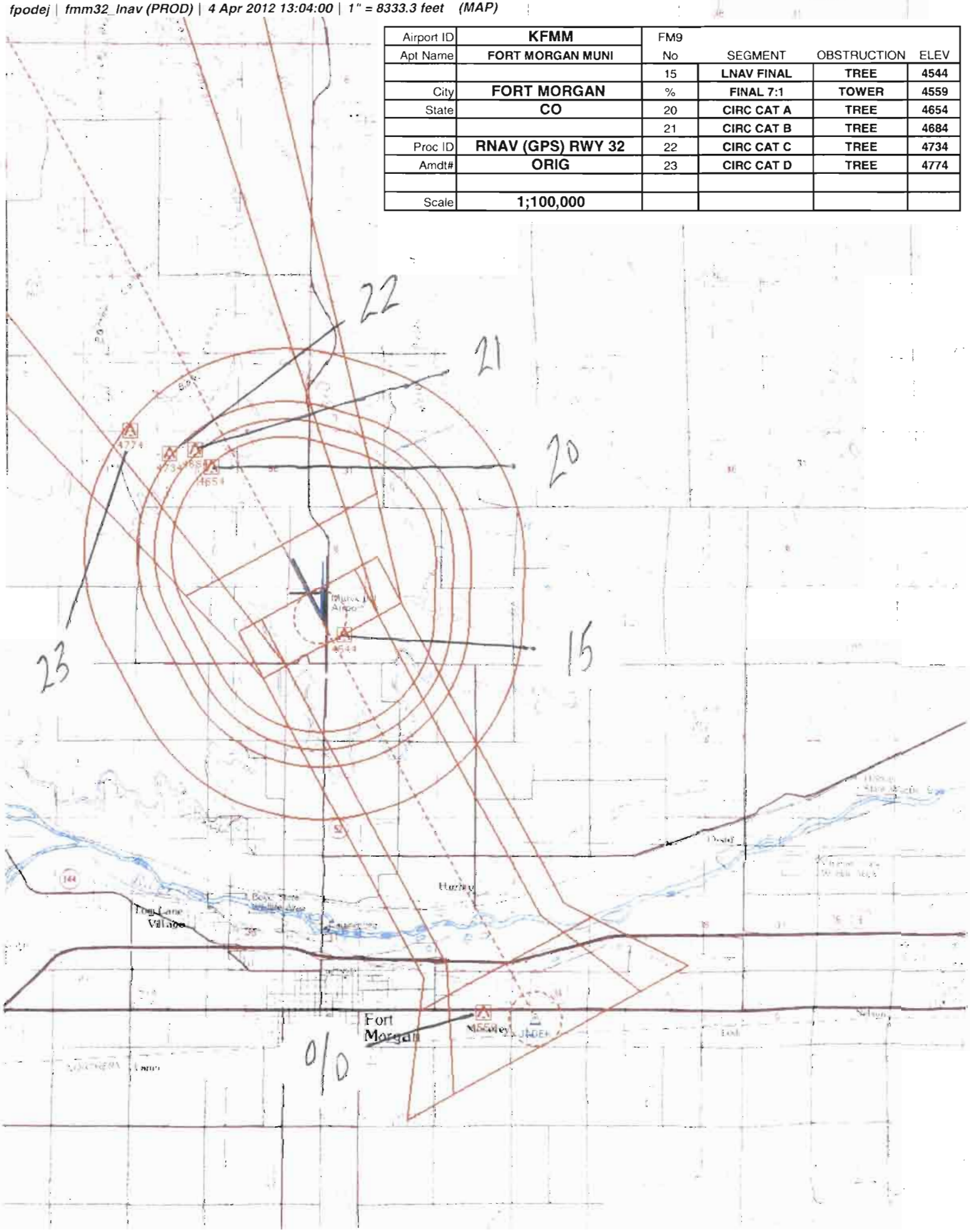
SW-1
20 MAR 2012
COMPILER: CW
REVIEWER:
DBL CHKR:
EFF DATE: FIG
UID: 32596

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpodej | fmm32_lnav (PROD) | 4 Apr 2012 13:04:00 | 1" = 8333.3 feet (MAP)

Airport ID	KFMM	FM9			
Apt Name	FORT MORGAN MUNI	No	SEGMENT	OBSTRUCTION	ELEV
		15	LNAV FINAL	TREE	4544
City	FORT MORGAN	%	FINAL 7:1	TOWER	4559
State	CO	20	CIRC CAT A	TREE	4654
		21	CIRC CAT B	TREE	4684
Proc ID	RNAV (GPS) RWY 32	22	CIRC CAT C	TREE	4734
Amdt#	ORIG	23	CIRC CAT D	TREE	4774
Scale	1;100,000				

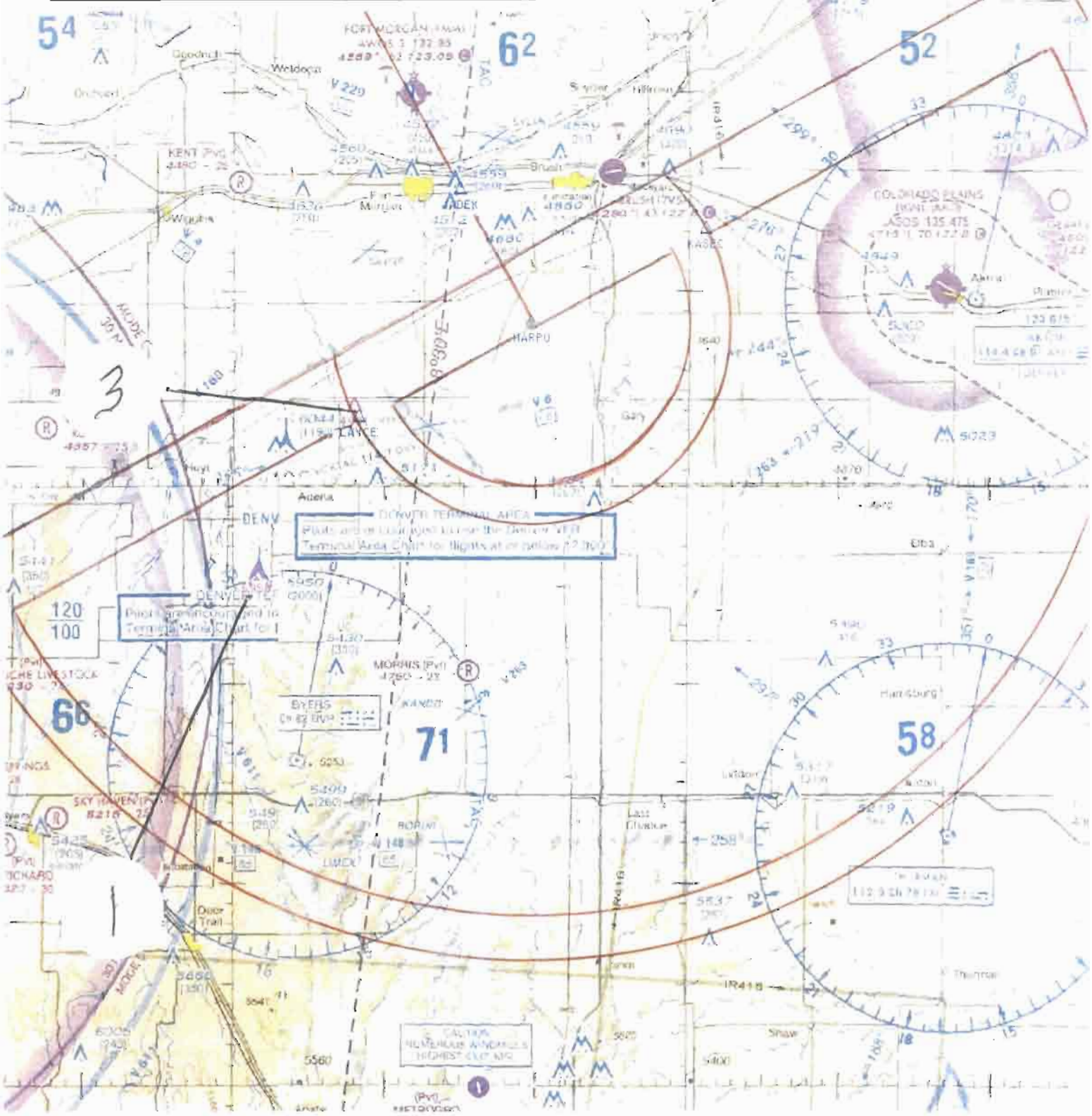


NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodej | fmm32_lnav (PROD) | 4 Apr 2012 08:37:12 | 1" = 41666.7 feet (MAP)

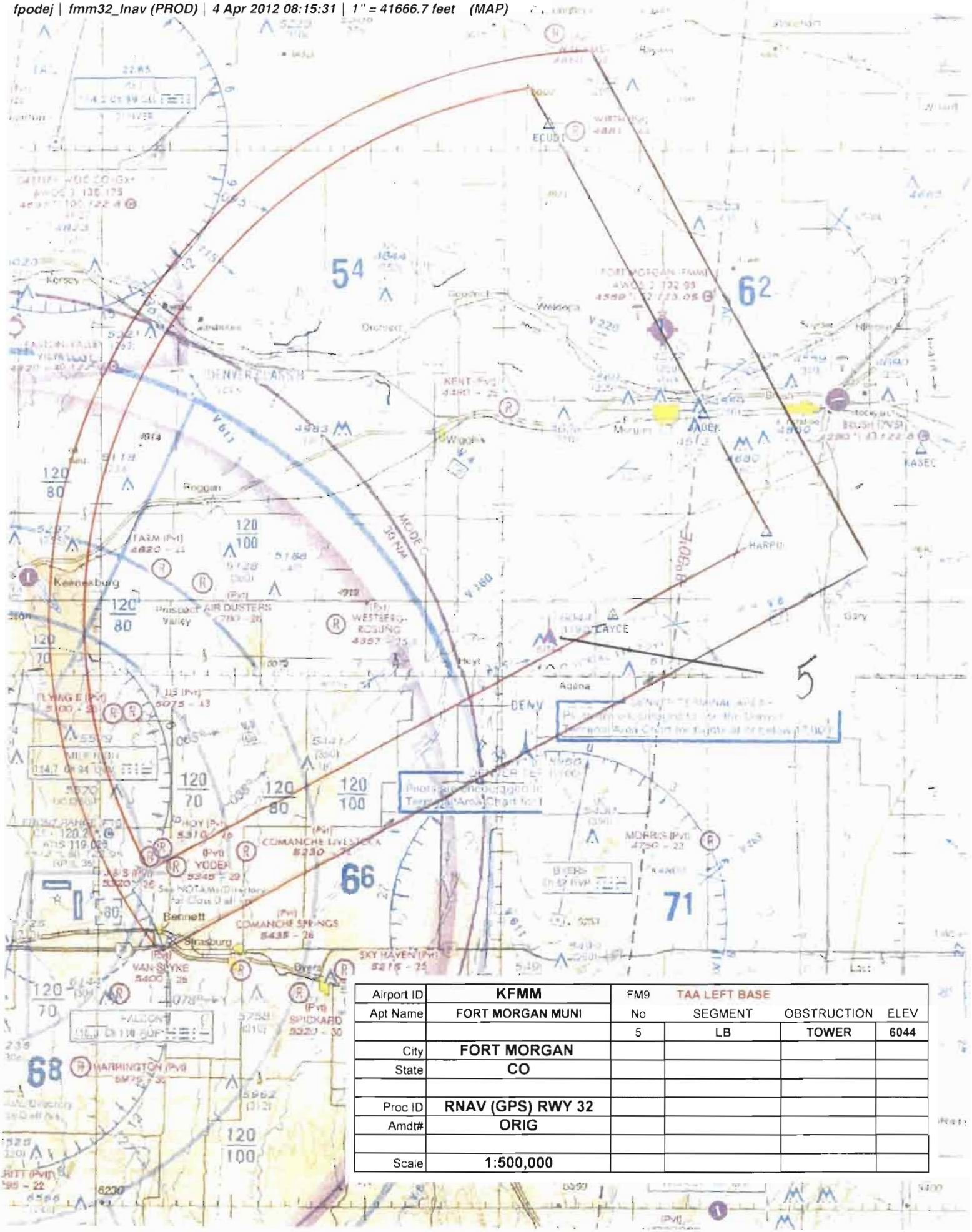
Airport ID	KFMM	FM 9	TAA STRAIGHT-IN		
Apt Name	FORT MORGAN MUNI	No	SEGMENT	OBSTRUCTION	ELEV
		1	STRAIGHT-IN	TOWER	6950
City	FORT MORGAN	3	S-IN SDF	AAO	4931
State	CO				
Proc ID	RNAV (GPS) RWY 32				
Amdt#	ORIG				
Scale	1: 500,000				



NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodej | fmm32_lnav (PROD) | 4 Apr 2012 08:15:31 | 1" = 41666.7 feet (MAP)

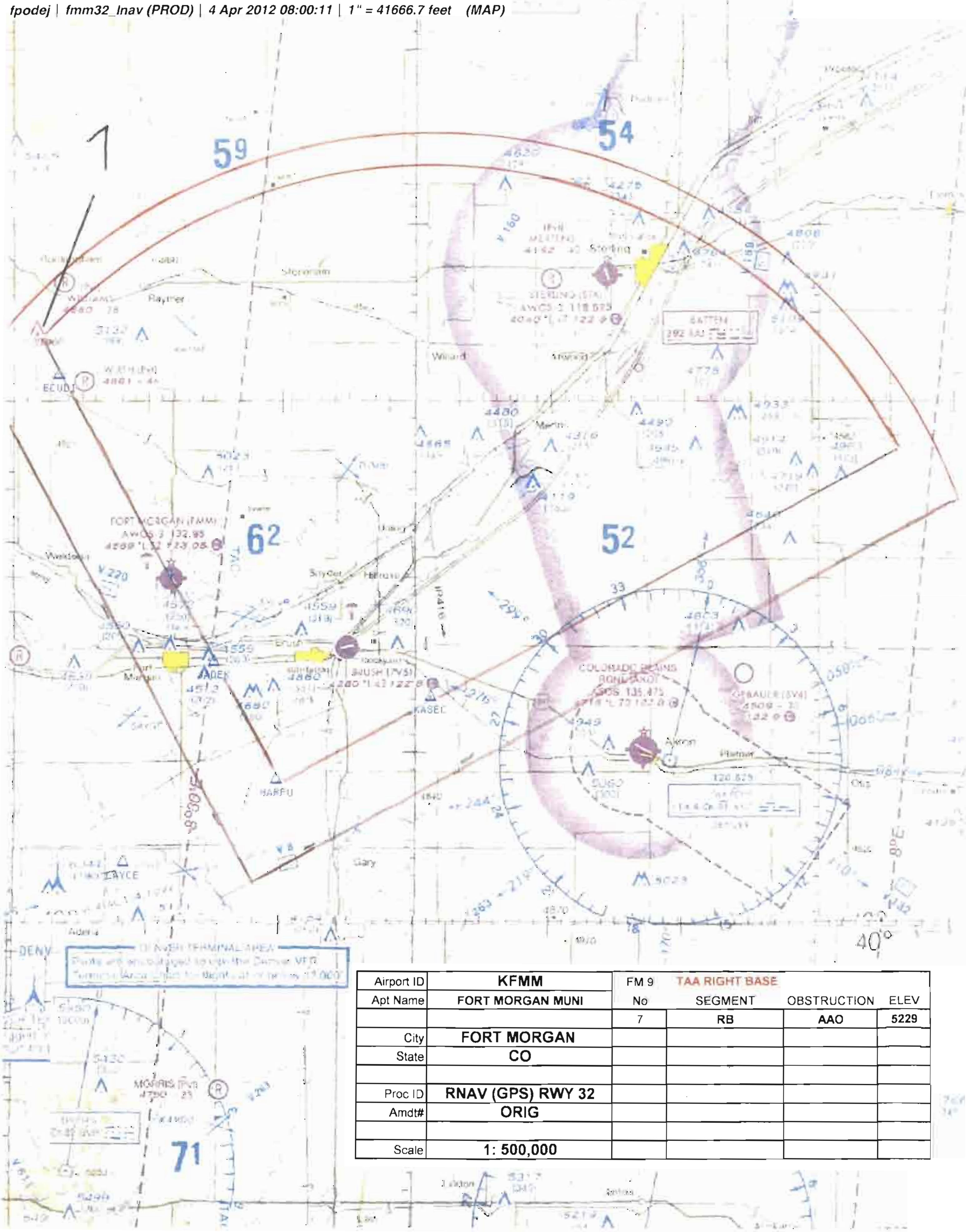


Airport ID	KFMM	FM9	TAA LEFT BASE		
Apt Name	FORT MORGAN MUNI	No	SEGMENT	OBSTRUCTION	ELEV
		5	LB	TOWER	6044
City	FORT MORGAN				
State	CO				
Proc ID	RNAV (GPS) RWY 32				
Amdt#	ORIG				
Scale	1:500,000				

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodej | fmm32_lnav (PROD) | 4 Apr 2012 08:00:11 | 1" = 41666.7 feet (MAP)



Airport ID	KFMM	FM 9	TAA RIGHT BASE		
Apt Name	FORT MORGAN MUNI	No	SEGMENT	OBSTRUCTION	ELEV
		7	RB	AAO	5229
City	FORT MORGAN				
State	CO				
Proc ID	RNAV (GPS) RWY 32				
Amdt#	ORIG				
Scale	1: 500,000				

NM 7 14 21 28 35 42 49

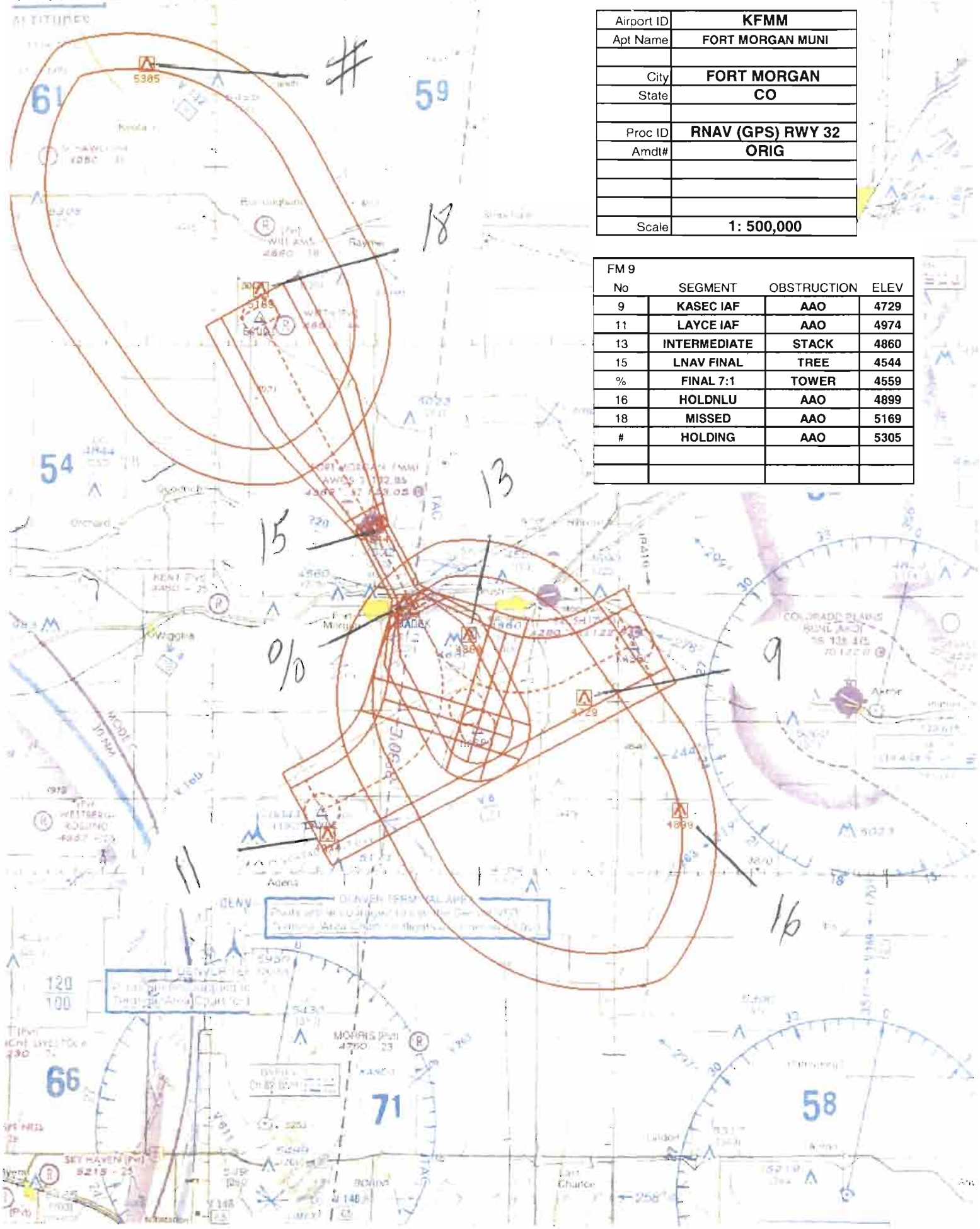
FT 42000 84000 126000 168000 210000 252000 294000

fpodej | fmm32_lnav (PROD) | 4 Apr 2012 13:02:55 | 1" = 41666.7 feet (MAP)

Airport ID	**KFMM**
Apt Name	**FORT MORGAN MUNI**
City	**FORT MORGAN**
State	**CO**
Proc ID	**RNAV (GPS) RWY 32**
Amdt#	**ORIG**
Scale	**1: 500,000**

FM 9

No	SEGMENT	OBSTRUCTION	ELEV
9	KASEC IAF	AAO	4729
11	LAYCE IAF	AAO	4974
13	INTERMEDIATE	STACK	4860
15	LNAV FINAL	TREE	4544
%	FINAL 7:1	TOWER	4559
16	HOLDNLU	AAO	4899
18	MISSED	AAO	5169
#	HOLDING	AAO	5305



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
KASEC (IAF)	HARPU (NOPT) (FB)	233.84 / 10.00	7000
LAYCE (IAF)	HARPU (NOPT) (FB)	053.60 / 10.00	7000
HARPU (IF/IAF)	JADEK (FB)	323.72 / 7.60	6200
JADEK (FAF)	RW32 (MAP) (FO)	323.68 / 5.19	
RW32 (MAP)	4800 MSL	323.68	
4800 MSL	ECUDI (FO)		7000

MISSED APPROACH

LNAV: RW32

CLIMB TO 7000 DIRECT ECUDI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 143.55 INBOUND.
CHART FAS OBST: 4544 TREE 401925N/1034743W
4559 TOWER 401507N/1034537W
JADEK TO RW32: 3.00/45.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE HARPU, RT, 323.72 INBOUND, 7000 FT. IN LIEU OF PT (IAF)
3. FAC: 323.68 FAF: JADEK DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: HARPU 7000, JADEK 6200
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 8E EPOCH YEAR: 2015

MINIMUMS

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

ALTERNATE: N A X

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
LNAV MDA	4800	1	299	4800	1	299	4800	1	299	4800	1	299			
CIRCLING	4960	1	391	5020	1	451	5040	1 1/2	471	5140	2	571			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 14 NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AKRON ALTIMETER SETTING AND INCREASE ALL MDA 100 FT, AND INCREASE LNAV CATS C AND D VISIBILITY 1/8 MILE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4569 THRE: 4501 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FORT MORGAN, CO	FORT MORGAN MUNI	RNAV	RNAV (GPS) RWY 32, ORIG	AMDT: NONE
				DATED

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

COORDINATED WITH:

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

FLIGHT CHECKED BY		
NAME: JOHN DOY JEFFERS	FIFO FIOG	DATE: 05/08/2012
DEVELOPED BY		
NAME: ADOLFO URRUTIA (DAVID E. JENNER)	FIFO AJV-354	DATE: 03/09/2012
APPROVED BY		
NAME: DEZ SILAGYI MANAGER	FIFO AJV-354	DATE:

CHANGES:

1. ORIGINAL

REASONS:

1. PER FPT

PDF EDIT:
A.TERMINAL ROUTES: FROM COLUMN - (FAF) ADDED AFTER JADEK
B.TERMINAL ROUTES: ALTITUDE COLUMN (4800 MSL TO ECUDI (FO) 4800 DELETED AND 7000 ADDED.\

06/14/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/09/12.
1. CIRCLING CAT D CONTROLLING OBSTACLE CHANGED PER FLIGHT CHECK, 4D ACCURACY APPLIED
2. CIRCLING CAT D MDA CHANGED FROM 5120-2 (551) TO 5140-2 (571)

EFFECTIVE CONCURRENT WITH: AIRSPACE DOCKET 12-ANM-5.

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TAA

	FROM	TO	ALT
1.	234/30 CW 054/30 (NOPT)	234/8 CW 054/8 (FB)	8700
2.	234/8 CW 054/8	HARPU (IF/IAF) (FB)	7000
3.	054/30 CW 144/30	LAYCE (IAF) (FB)	7800
4.	144/30 CW 234/30	KASEC (IAF) (FB)	7000

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 4569 THRE: 4501	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FORT MORGAN, CO	AIRPORT NAME: FORT MORGAN MUNI	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:

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 PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ECUDI K20    W     N40313204W103562706                     E0083     NAR           ECUDI
        SUSAEAENRT   HARPU K20    W     N40082612W103400929                     E0081     NAR           HARPU
        SUSAEAENRT   JADEK K20    W     N40150790W103445146                     E0082     NAR           JADEK
        SUSAEAENRT   KASEC K20    W     N40131003W103283951                     E0080     NAR           KASEC
        SUSAEAENRT   LAYCE K20    W     N40034107W103513748                     E0082     NAR           LAYCE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFMMK2AFMM     0     052YHN40200230W103481463E008004569         1800018000C    MNAR    FORT MORGAN MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFMMK2FR32   AHARPU 010HARPUK2EA0EE AR   HF                    32370070    + 07000     18000                B JS
        SUSAP KFMMK2FR32   AKASEC 010KASECK2EA0E  A    IF                                        18000                B JS
        SUSAP KFMMK2FR32   AKASEC 020HARPUK2EA0EE B 010TF                     23380100    + 07000                          B JS
        SUSAP KFMMK2FR32   ALAYCE 010LAYCEK2EA0E  A    IF                                        18000                B JS
        SUSAP KFMMK2FR32   ALAYCE 020HARPUK2EA0EE B 010TF                     05360100    + 07000                          B JS
        SUSAP KFMMK2FR32   R      010HARPUK2EA0E  I    IF                                + 07000     18000                B JS
        SUSAP KFMMK2FR32   R      020JADEKK2EA1E  F 051TF                     32370076    + 06200                          B JS
        SUSAP KFMMK2FR32   R      020JADEKK2EA2WN          N          ALNAV                                                JS
        SUSAP KFMMK2FR32   R      030RW32 K2PG0GY M 031TF                     32370052      04546            -300          B JS
        SUSAP KFMMK2FR32   R      040         0  M     CA                     3237        + 04800                          B JS
        SUSAP KFMMK2FR32   R      050ECUDIK2EA0EY      DF                                + 07000                          B JS
        SUSAP KFMMK2FR32   R      060ECUDIK2EA0EE  R   HM                     14360070    + 07000                          B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFMMK2GRW32    0052193236 N40194230W103480474+1300    +1352504501000045060R
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: **4569** **THRE: 4501**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FORT MORGAN, CO	AIRPORT NAME: **FORT MORGAN MUNI**	**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
	HARPU	HARPU	010	IAF	HF	R	FO		323.7(331.7T)	007.0	AA 07000	
	KASEC	KASEC	010	IAF	IF		FB					
	KASEC	HARPU	020		TF		FB	1.0	233.8(241.8T)	010.0	AA 07000	
	LAYCE	LAYCE	010	IAF	IF		FB					
	LAYCE	HARPU	020		TF		FB	1.0	053.6(061.6T)	010.0	AA 07000	
		HARPU	010	FACF	IF		FB				AA 07000	
		JADEK	020	FAF	TF		FB	0.5	323.7(331.7T)	007.6	AA 06200	
		RW32	030	MAP	TF		FO	0.3	323.7(331.7T)	005.2	AT 04546	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		323.7(331.7T)		AA 04800	
	ECUDI	050		DF		FO				AA 07000	
	ECUDI	060		HM	R	FO		143.6(151.6T)	007.0	AA 07000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ECUDI	N403132.04	W1035627.06	N4031.534	W10356.451
	HARPU	N400826.12	W1034009.29	N4008.435	W10340.155
	JADEK	N401507.90	W1034451.46	N4015.132	W10344.858
	KASEC	N401310.03	W1032839.51	N4013.167	W10328.659
	LAYCE	N400341.07	W1035137.48	N4003.685	W10351.625
	RW32	N401942.30	W1034804.74	N4019.705	W10348.079

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	04501	45

QUALITY CHECKED

CITY AND STATE	ELEVATION: 4569 THRE: 4501	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FORT MORGAN, CO	AIRPORT NAME: FORT MORGAN MUNI	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.
STRAIGHT-IN AREA	234/30 CW 054/30	234/8 CW 054/8	1. TOWER (08-000971)	395521.84N/1035820.21W	6950 (2C)	2000	MT-250	8700
			2. TERRAIN	393848.00N/1035457.00W	5302 (5300)		AS1500	6800
STRAIGHT-IN AREA	234/8 CW 054/8	HARPU	3. AAO	400348.00N/1035151.00W	4931 (4E)	2000		7000
			4. TERRAIN	400348.00N/1035151.00W	4731 (4700)		AS1500	6200
LEFT BASE AREA	054/30 CW 144/30	LAYCE	5. TOWER (08-020356)	400201.21N/1035618.94W	6044 (5D)	2000	MT-244	7800
			6. TERRAIN	394457.00N/1042545.00W	5496 (5500)		AS1500	7000
RIGHT BASE AREA	144/30 CW 234/30	KASEC	7. AAO	403339.00N/1035806.00W	5259 (4E)	2000	MT-259	7000
			8. TERRAIN	403339.00N/1035806.00W	5059 (5100)		AS1500	6600
INITIAL	KASEC	HARPU	9. AAO	400945.00N/1033215.00W	4729 (4E)	1000	AT1271	7000
			10. TERRAIN	400945.00N/1033215.00W	4529 (4500)		AS1500	6000
INITIAL	LAYCE	HARPU	11. AAO	400157.00N/1035109.00W	4974 (4E)	1000	AT1026	7000
			12. TERRAIN	400409.00N/1035151.00W	4725 (4700)		AS1500	6200
INTERMEDIATE	HARPU (IF/IAF)	JADEK	13. STACK (08-000280)	401313.00N/1034047.00W	4860 (4D)	500	AT840	6200
			14. TERRAIN	400927.00N/1034248.00W	4528 (4500)		AS1500	6000
2. HOLD-IN-LIEU-OF-PT	HARPU	P-9	16. AAO	400321.00N/1032518.00W	4899 (4E)	1000	AT1101	7000
			17. TERRAIN	400321.00N/1032518.00W	4699 (4700)		AS1500	6200
3. MISSED APPROACH — MAP:	RW32	ECUDI				ASC		7000
			18. AAO	403155.36N/1035558.28W	5149 (4E)	1000		6200
ELEV:	4700		19. TERRAIN	403206.00N/1035603.00W	4938 (4900)		AS1500	6400
			20. TREE	402119.94N/1034942.01W	4654 (2C)	300		4960
			21. TREE	402132.25N/1034957.09W	4684 (2C)	300	HAA	5020
			22. TREE	402129.46N/1035020.16W	4734 (2C)	300		5040
			23. TOWER	401909.00N/1035041.40W	4780 (4D)	300	AC50	5140

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	391
CATEGORY B	1.5 NM	450	451
CATEGORY C	1.7 NM	450	471
CATEGORY D	2.3 NM	550	571
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
FORT MORGAN, CO	ELEVATION: 4569 AIRPORT NAME: FORT MORGAN MUNI	RNAV	RNAV (GPS) RWY 32, ORIG	ANM

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
DEN FSS ZDV ARTCC	X	N W S	OTHER: AWOS-3	SOURCE: KFMM / KAKO
		F A A		DISTANCE: 0 / 28.37
		A / C		HOURS REMOTE OPERATION: 24 / 24
SATISFACTORY ON: X V H F X U H F H F	LOCATION: KFMM			ADJUSTMENT: 0 / 0

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 32
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-2L 14
6. RUNWAY MARKINGS	BASIC	BSC-G 14, 32
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
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 (DAVID E. JENNER)	DATE: 03/09/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

VDP NOT ESTABLISHED - OBSTACLE PENETRATES 20:1.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

KFMM AWOS IS NOT ON SERVICE A, KAKO ASOS IS ON SERVICE A.

VGSI DATA: NONE.

RASS PRESSURE PATTERNS SAME
KFMM 4568.7, KAKO 4715.8
RA = 85.85.
SEE ATTACHED AIRSPACE LETTER.

TAA DEVELOPED PER ATC REQUEST.

TERPS PARAGRAPH 289 APPLIED TO 4559 TOWER
401507N/1034537W

15 FT VEGETATION AND 200 FT AAO USED IN PROCEDURE, VEGETATION HEIGHT PER FPT.

LP FINAL NOT DOCUMENTED BECAUSE THERE WAS NO DIFFERENCE IN THE MDA BETWEEN THE LNAV AND THE LP.

OBST # 13: REQUEST 4D ACCURACY CODE EVALUATION.

CIRCLING NA TO RWY 17/35 - TURF RWY.

TERPS VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
FPO NOTIFIED

20:1
RW 14 GRD (KFMMT004) 402030.88N-1034838.19W (1.37)
RW 14 GRD (KFMMT005) 402030.37N-1034838.67W (1.75)

34:1
RW32 RD (KFMMT0023) 401936.19N-1034804.60W (4.63)
RW32 BLDG (KFMMT0021) 401936.80N-1034757.37W (7.41)

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LNAV	JADEK	RW32	15. TREE	401925.43N/1034742.89W	4544 (2C)	250		4800

3. MISSED APPROACH	
MAP:	
ELEV:	

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

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 4569 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
FORT MORGAN, CO	FORT MORGAN MUNI	RNAV	RNAV (GPS) RWY 32, ORIG	ANM

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
SATISFACTORY ON:		N W S	OTHER:	SOURCE:
		F A A		DISTANCE:
		A / C		HOURS REMOTE OPERATION:
V H F / U H F / H F	LOCATION:			ADJUSTMENT:

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

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: ECUDI **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 403132.04N/1035627.06W **TYPE:** WP

AIRSPACE DOCKET: 12-ANM-5 **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	323.55	143.55	R		7	7000	14000	9	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	404515.00N/1040454.00W	5305	4E

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	KFMM	FORT MORGAN	CO (US)
IAP	RNAV (GPS) RWY 32		1	KFMM	FORT MORGAN	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/23/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JADEK **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 401507.90N/1034451.46W **TYPE:** WP

AIRSPACE DOCKET: 12-ANM-5 **FIX TYPE OF ACTION:** ESTABLISH

REMARKS:
USED 8260-54A FORMULA TO ESTABLISH PFAF LOCATION.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 32			KFMM	FORT MORGAN	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 03/07/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HARPU **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 400826.12N/1034009.29W **TYPE:** WP

AIRSPACE DOCKET: 12-ANM-5 **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	143.72	323.72	R		7	7000	14000	9	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	400245.00N/1032436.00W	4935	4E

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	KFMM	FORT MORGAN	CO (US)
IAP	RNAV (GPS) RWY 32		1	KFMM	FORT MORGAN	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/23/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KASEC **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 401310.03N/1032839.51W **TYPE:** WP

AIRSPACE DOCKET: 12-ANM-5 **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 32			KFMM	FORT MORGAN	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/23/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LAYCE **STATE:** CO **COUNTRY:** US

LATITUDE/LONGITUDE: 400341.07N/1035137.48W **TYPE:** WP

AIRSPACE DOCKET: 12-ANM-5 **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 32			KFMM	FORT MORGAN	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 03/16/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (DAVID JENNER)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZDV
ATC FACILITY:
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **FORT MORGAN** STATE: **CO**

AIRPORT NAME: **FORT MORGAN MUNI** ID: **KFMM**

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

DOCKET#: **12-ANM-5**
(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 **2.86**
   (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 **331.68**
4. High Terrain in **FINAL** segment containing 1000' point **4529**
5. Distance from **THLD** to 1500' point **4.79**
   (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 **331.68**
8. High Terrain in **FINAL** segment containing 1500' point **4529**
9. Threshold Coordinates (if straight-in) ... **401942.30N** / **1034804.74W**
10. ARP Coordinates ..... **402002.30N** / **1034814.63W**
11. Runway Approach End and distance furthest from ARP ..... RWY **14**
    Distance **0.51** NM
12. FAF Coordinates ..... **401507.90N** / **1034451.46W**

REMARKS: Approach/Drawing attached.

TAA: KASEC (IAF) 401310.03N-1032839.51W; LAYCE (IAF) 400341.07N-1035137.48W
HARPU (IF/IAF) 400826.12N-1034009.29W RADIUS: 30 NM

Federal Aviation Administration

Memorandum

Date:

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Dez Silagyi, Manager, Terminal Procedures & Charting Services, Western Team, AJV-354

Subject: **ACTION:** Magnetic Variation Change

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

RNAV (GPS) RWY 14, ORIG
RNAV (GPS) RWY 32, ORIG

Estimated Chart Date: 07/26/2012

Runway Numbers are not affected.

Please publish these changes in the National Flight Data Digest.

COLORADO

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
Fort Morgan	Fort Morgan Muni	Airport	KFMM / FMM	Old 11 ° East New 8 ° East	2015

If you have any questions please notify Dez Silagyi, dez.silagyi@faa.gov (405) 954-9977.

cc: SEA-FPT, AVJ-3rf
AJV-354; DSilagyi :sbj::x7537:02/14/2012 :U:\AVN100\100Public\MAGVAR\MAGVAR Letters 2012\MV Request MV Change for @Airport , Fort Morgan, CO KFMM) Requestor:DJenner, AJW-3762:[CPavelko

CONCURRENCES	
ROUTING SYMBOL	AJV-34 SBaker
INITIALS/SIG	
DATE	
ROUTING SYMBOL	AJV-354 Lead
INITIALS/SIG	
DATE	
ROUTING SYMBOL	AJV-354 DSilagyi
INITIALS/SIG	
DATE	
ROUTING SYMBOL	AJV-341 PGetz
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	
ROUTING SYMBOL	
INITIALS/SIG	
DATE	