Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 02/16/2010	Task #: 201002162540420600l	Request #: 20100216254042
Procedure: RNAV (GPS) RWY 10 AMDT 2		Airport ID: KELM	Airport: ELMIRA/CORNING RGNL		Reimbursable #:
City: ELMIRA/CORNING	ST: NY	GPS #:		Estimated Chart Date: 09/20/2012	FICO #: 1089768
Fac ID:	Fac. Type: LP Proc-w	Specialist: CHRISTOPHER COX			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	03/29/2012	07/09/2012	MARLON ROBINSON	
QA:	07/09/2012	07/10/2012	ERIC HILL	
Liaison:	07/10/2012		Alfonso	RESUBMIT -3, -9.

P1

Procedure Comments:

Remark Type: INFORMATION

ELMIRA/CORNING, NY ELMIRA/CORNING RGNL (KELM) RNAV (GPS) RWY 10, AMDT 2 (LP) ENROUTE-NO FC: 8.7.12 PUB: 9.20.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): CEKAN, REV 2; HABOM, REV 2; MIXUE, REV 2.

CONTACT: DON SMITH, AVJ-352 LEAD 405.954.1036

WAAS	APP CRS	Rwy Idg 5004
CH 70530 W10A	101°	THRE 934
		Apt Elev 955

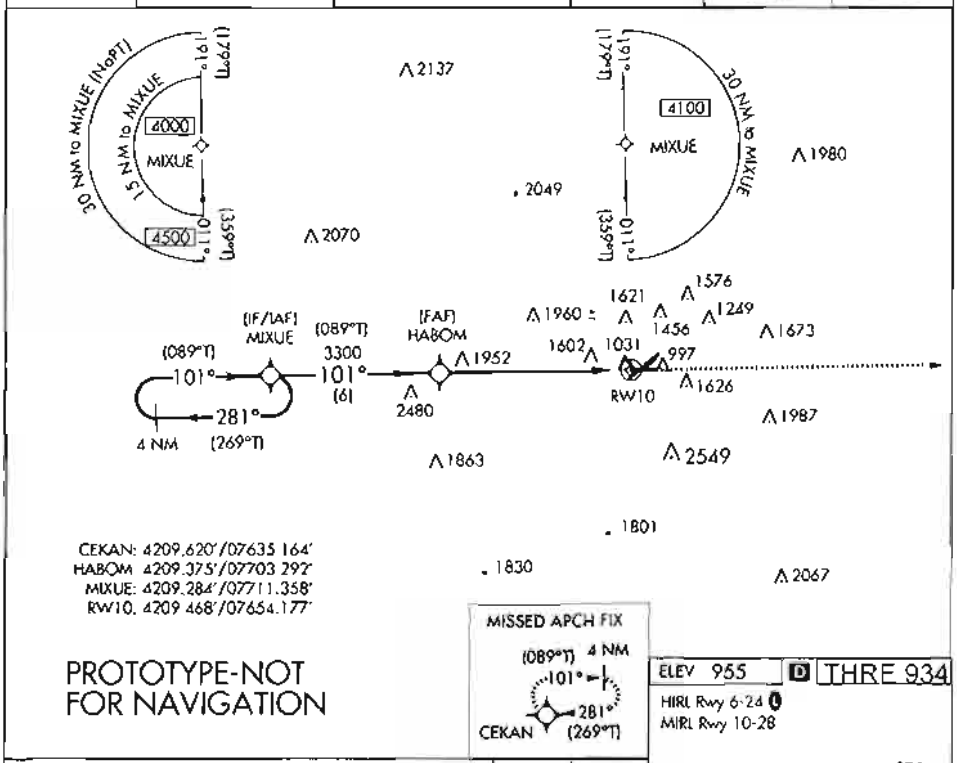
RNAV (GPS) RWY 10

ELMIRA/CORNING RGNL (ELM)

Circling Rwy 28 NA at night. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Penn Yan altimeter setting and increase all MDA 80 feet. Straight-in/Circling Rwy 10 procedure NA at night.

MISSED APPROACH: Climb to 4000 direct CEKAN and hold.

ATIS	ELMIRA APP CON *	ELMIRA TOWER *	GND CON	CLNC DEL	UNICOM
125.475	119.45 257.8	121.1 (CTAF) 257.8	121.9	121.9	122.95

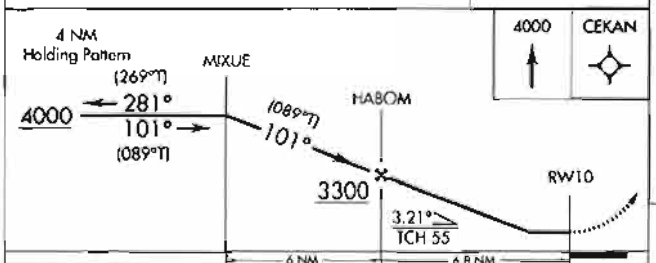


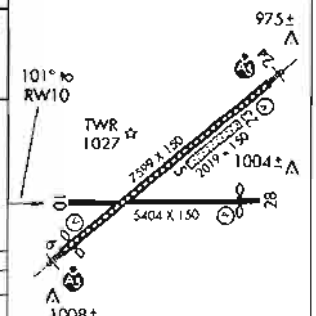
CEKAN: 4209.620'/07635.164'
HABOM: 4209.375'/07703.292'
MIXUE: 4209.284'/07711.358'
RW10: 4209.468'/07654.177'

PROTOTYPE-NOT FOR NAVIGATION

ELEV 955 D THRE 934

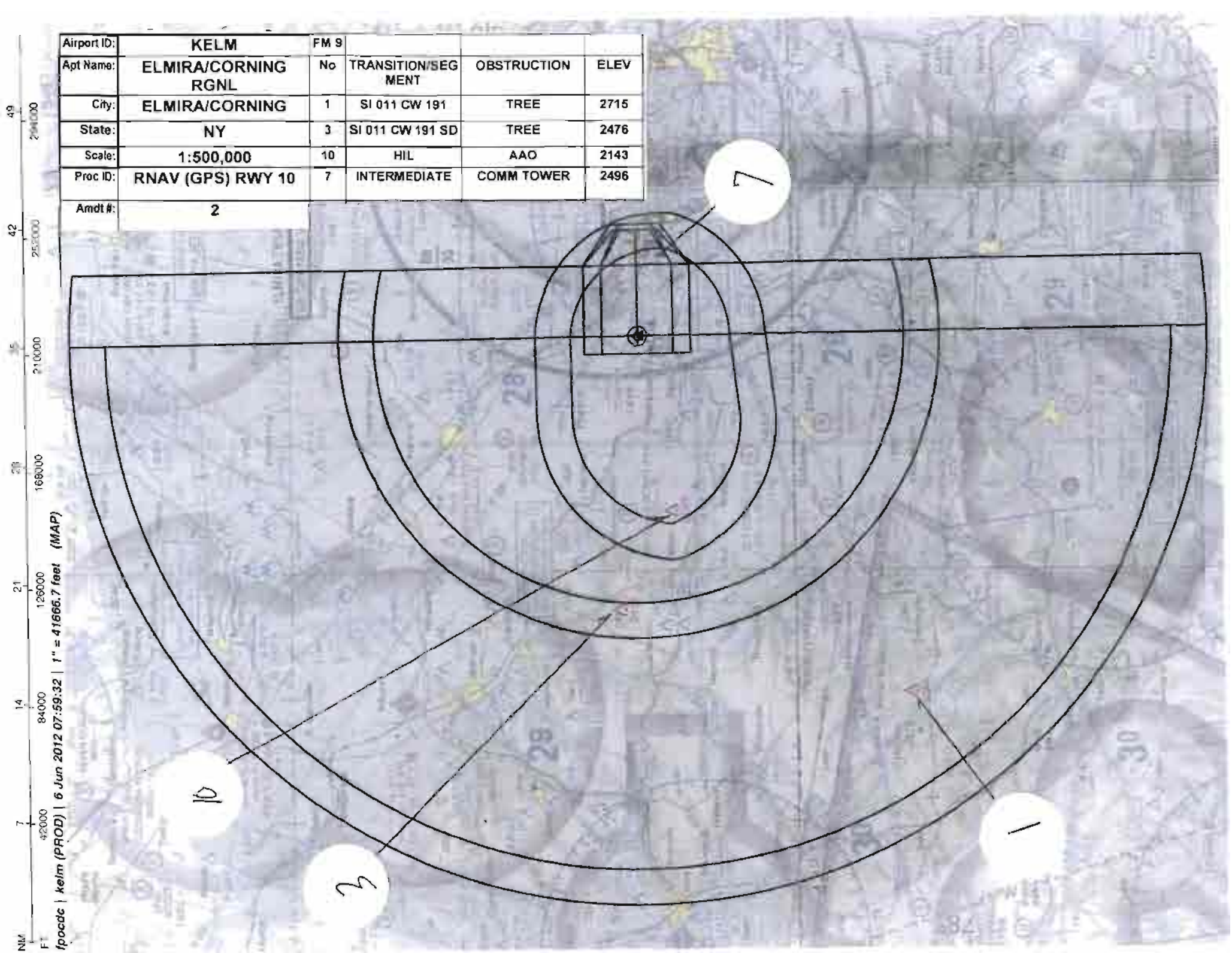
HIRL Rwy 6-24
MIRL Rwy 10-28



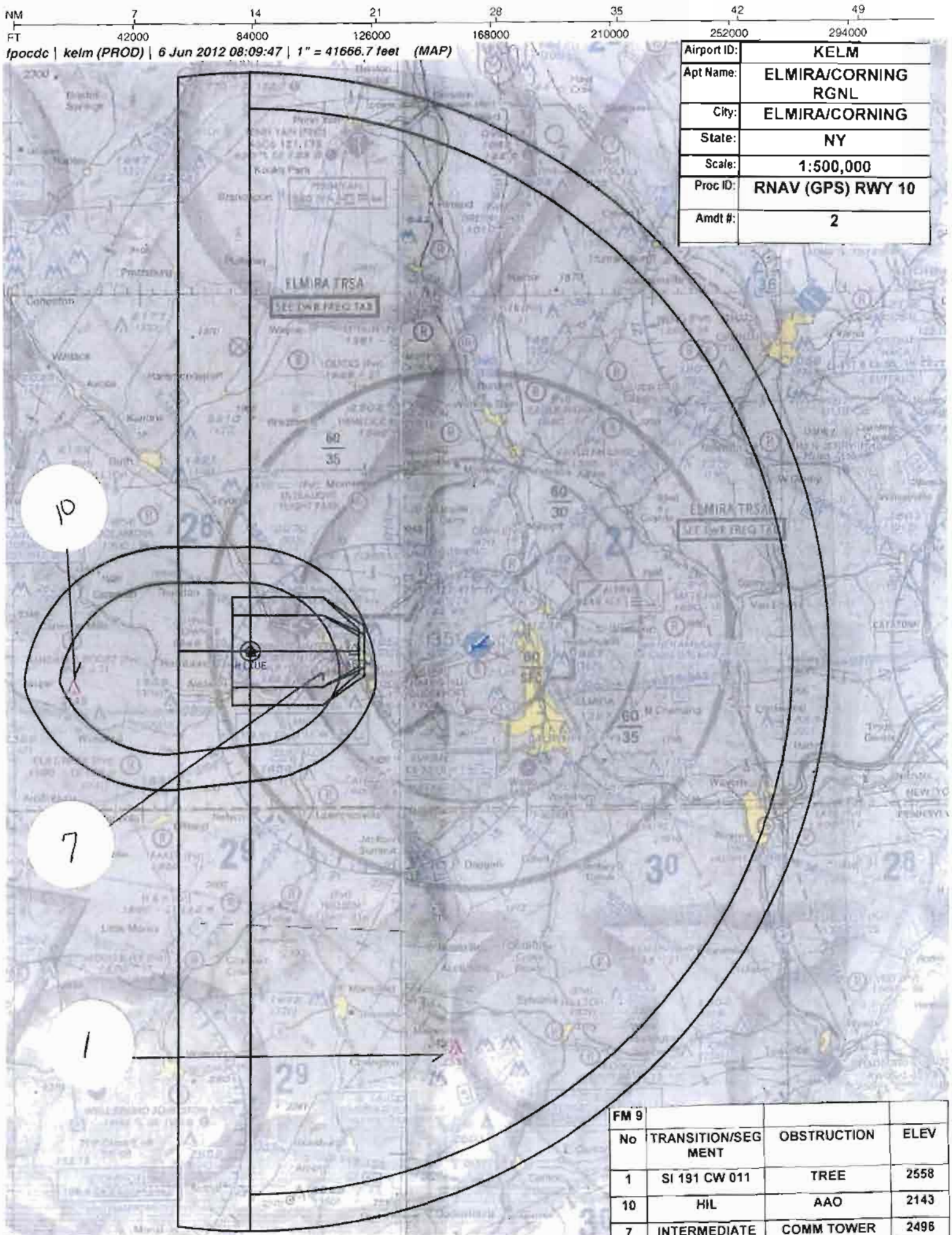


CATEGORY	A	B	C	D
LP MDA	2280-1¼ 1346 (1400-1¼)	2280-1½ 1346 (1400-1½)	2280-3 1346 (1400-3)	
LNAV MDA	2280-1¼ 1346 (1400-1¼)	2280-1½ 1346 (1400-1½)	2280-3 1346 (1400-3)	
CIRCLING	2280-1¼ 1325 (1400-1¼)	2280-1½ 1325 (1400-1½)	2280-3 1325 (1400-3)	

Airport ID:	KELM	FM 9			
Apt Name:	ELMIRA/CORNING RGNL	No	TRANSITION/SEGMENT	OBSTRUCTION	ELEV
City:	ELMIRA/CORNING	1	SI 011 CW 191	TREE	2715
State:	NY	3	SI 011 CW 191 SD	TREE	2476
Scale:	1:500,000	10	HIL	AAO	2143
Proc ID:	RNAV (GPS) RWY 10	7	INTERMEDIATE	COMM TOWER	2496
Amdt #:	2				

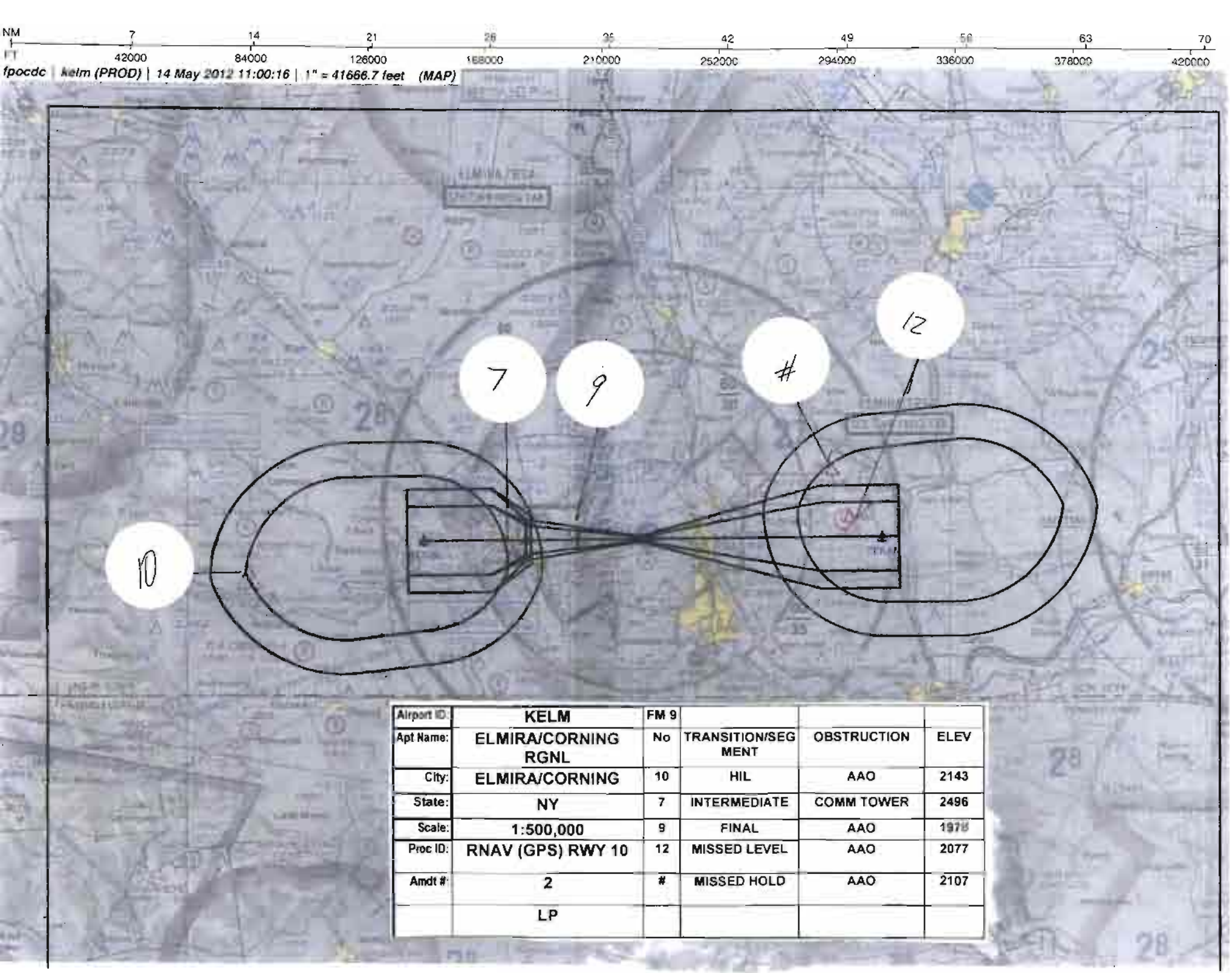


fpocdc | kelm (PROD) | 6 Jun 2012 07:59:32 | 1" = 41666.7 feet (MAP)

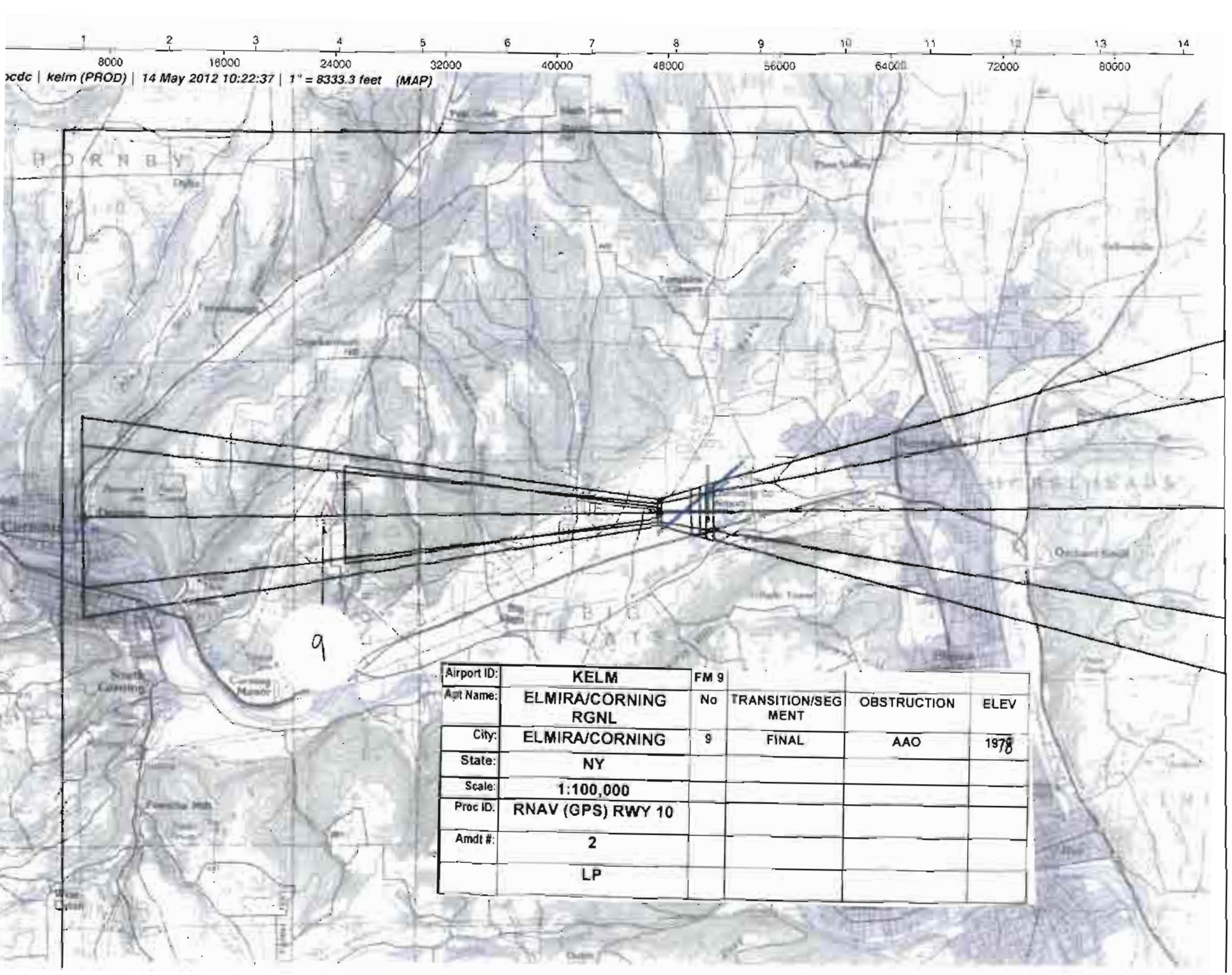


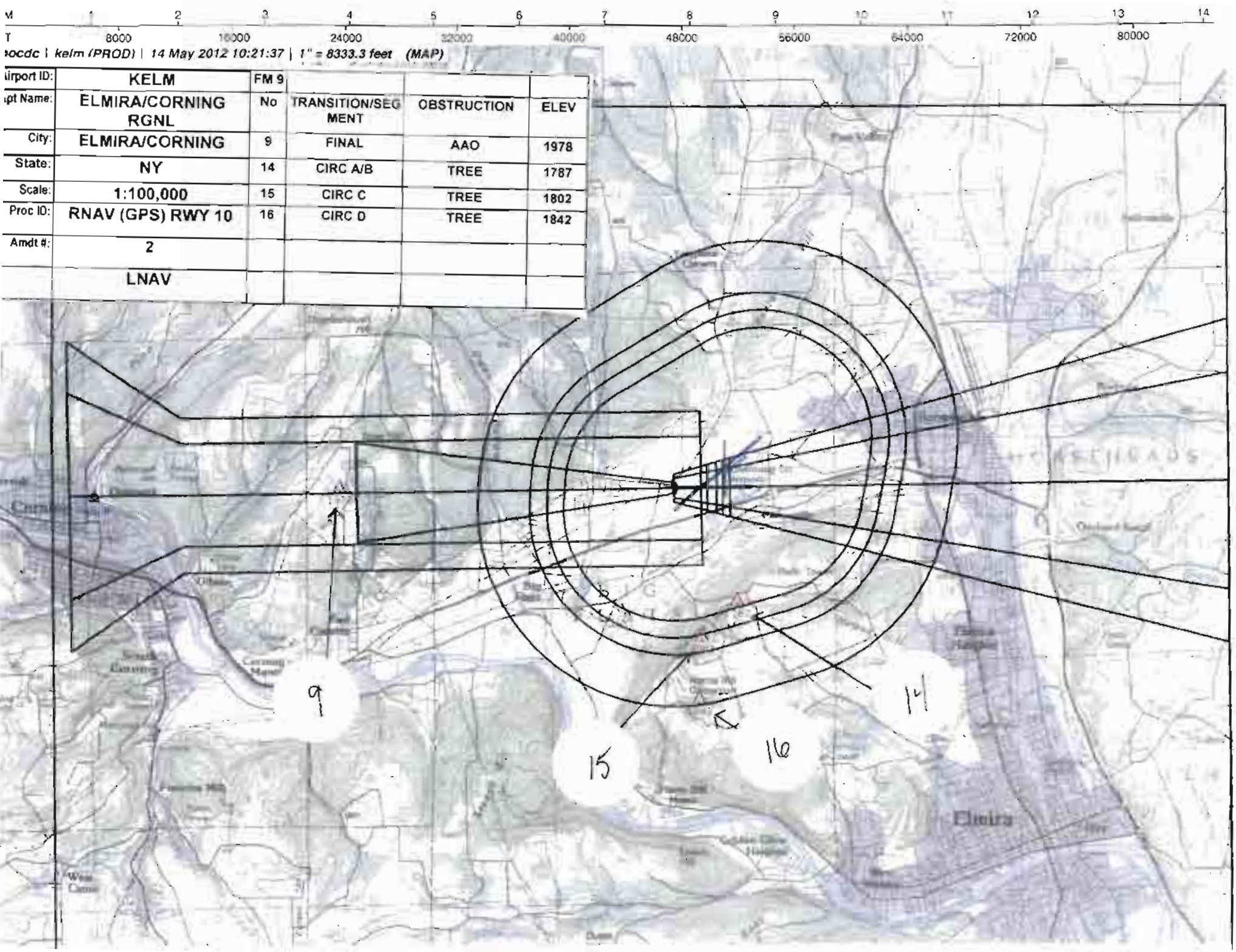
Airport ID:	KELM
Apt Name:	ELMIRA/CORNING RGNL
City:	ELMIRA/CORNING
State:	NY
Scale:	1:500,000
Proc ID:	RNAV (GPS) RWY 10
Amdt #:	2

FM 9			
No	TRANSITION/SEGMENT	OBSTRUCTION	ELEV
1	SI 191 CW 011	TREE	2558
10	HIL	AAO	2143
7	INTERMEDIATE	COMM TOWER	2496



Airport ID:	KELM	FM 9			
Apt Name:	ELMIRA/CORNING RGNL	No	TRANSITION/SEGMENT	OBSTRUCTION	ELEV
City:	ELMIRA/CORNING	10	HIL	AAO	2143
State:	NY	7	INTERMEDIATE	COMM TOWER	2496
Scale:	1:500,000	9	FINAL	AAO	1978
Proc ID:	RNAV (GPS) RWY 10	12	MISSED LEVEL	AAO	2077
Amdt #:	2	#	MISSED HOLD	AAO	2107
	LP				


1 2 3 4 5 6 7 8 9 10 11 12 13 14
8000 16000 24000 32000 40000 48000 56000 64000 72000 80000
ocdc | kelm (PROD) | 14 May 2012 10:22:37 | 1" = 8333.3 feet (MAP)
BORNBY
9
Airport ID: KELM
Apt Name: ELMIRA/CORNING RGNL
City: ELMIRA/CORNING
State: NY
Scale: 1:100,000
Proc ID. RNAV (GPS) RWY 10
Amdt #: 2
LP
FM 9
No
TRANSITION/SEGMENT
FINAL
OBSTRUCTION
AAO
ELEV
1978


M 1 2 3 4 5 6 7 8 9 10 11 12 13 14
T 8000 16000 24000 32000 40000 48000 56000 64000 72000 80000
aocdc | kelm (PROD) | 14 May 2012 10:21:37 | 1" = 8333.3 feet (MAP)
Airport ID: KELM
Apt Name: ELMIRA/CORNING RGNL
City: ELMIRA/CORNING
State: NY
Scale: 1:100,000
Proc ID: RNAV (GPS) RWY 10
Amdt #: 2
LNAV
FM 9
No
TRANSITION/SEGMENT
OBSTRUCTION
ELEV
9 FINAL AAO 1978
14 CIRC A/B TREE 1787
15 CIRC C TREE 1802
16 CIRC D TREE 1842
9
15
16
14
Elmira

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
MIXUE (IF/IAF)	HABOM (FB)	101.08 / 6.00	3400
HABOM (FAF)	RW10 (MAP) (FO)	101.17 / 6.78	
RW10 (MAP)	1355 MSL	101.17	
1355 MSL	CEKAN (FO)		4000

MISSED APPROACH

LP: RW10
LNAV: RW10

CLIMB TO 4000 DIRECT CEKAN AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 281.49 INBOUND.
FAS OBST: 1978 AAO 420925N/0765928W
WAAS CHANNEL # 70530
REFERENCE PATH ID: W10A
HABOM TO RW10: 3.35/55
LTP HAE: 251.9 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W MIXUE, RT, 101.08 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
3. FAC: 101.17 FAF: HABOM DIST FAF TO MAP: 6.78 THLD: 6.78
4. MIN. ALT: MIXUE 4000, HABOM 3400
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: 12W EPOCH YEAR: 2000

MINIMUMS

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

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
LP MDA	2280	1 1/4	1346	2280	1 1/2	1346	2280	3	1346	2280	3	1346			
LNAV MDA	2280	1 1/4	1346	2280	1 1/2	1346	2280	3	1346	2280	3	1346			
CIRCLING	2280	1 1/4	1325	2280	1 1/2	1325	2280	3	1325	2280	3	1325			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PENN YAN ALTIMETER SETTING AND INCREASE ALL MDA 80 FT.
(SEE FORM 8260-10)

@ CAT A, B 1500-2, CAT C, D 1500-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 955 THRE: 934 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ELMIRA/CORNING, NY	ELMIRA/CORNING RGNL	RNAV	RNAV (GPS) RWY 10, AMDT 2	AMDT: 1
				DATED 01/18/2007

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	X	X ZNY, ZOB, ELM APP CON, APT MGR

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
CHRISTOPHER COX	AJV-352	05/02/2012

APPROVED BY

NAME:		FIFO	DATE:
DARRYEL ADAMS	MANAGER	AJV-352	

CHANGES:

1. REMOVED LEFT AND RIGHT TAA BASES AND THEIR ASSOCIATED INITIAL SEGS.
2. ADDED LP LINE OF MINIMA.
3. RAISED LNAV MDA/HATH FROM 2120/1178 TO 2280/1346.
4. INCREASED CIRC MDA/HAA FROM 2120/1165 TO 2280/1325
5. ADDED BACKUP ALTIMETER SETTING AND ASSOCIATED NOTES.
6. ADDED SI/CIRC RESTRICTION TO RWY 10.
7. ADDED RWY 28 NIGHT RESTRICTION.
8. ADDED HELICOPTER VIS REDUCTION NOTE.
9. REMOVED 'WP' FROM MISSED APPROACH INSTRUCTIONS.
10. ADDED ALTERNATE MINS.
11. REMOVED FINAL SDF.

REASONS:

1. ATC/EFPT REQ.
2. EFPT REQ.
3. 8260.19E 2-74 B - NEW OBSTACLE.
4. RAISED MDA - CIRCLING DRIVEN BY SI MINS.
5. 8260.19E 8-55 F(4) REDUNDANCY TO PREVENT PUBLISHING THE NOTE NA WHEN LOCAL ALTIMETER SETTING NOT RECEIVED.
6. 8260.3B 3.2.2D (2)(C) AND 8260.19E 8-54 M(G) OBSTACLES PENETRATE 20:1 VISUAL SURFACE AND NO VGSI IS INSTALLED
7. 8260.19E 8-54 M(H) OBSTACLES PENETRATE VISUAL SURFACES AND VGSI IS UNVERIFIED
8. 8260.19E 8-54 I(3) TO PREVENT HELICOPTERS FROM REDUCING REQUIRED VISIBLITY 1/2 OF THE PUBLISHED MINIMUM FOR CAT A
9. 8260.19E 8-56 D(9)
10. 8260.19E 8-53 B LOCAL ALTIMETER MONITORING SUPPORTS ALTERNATE MINS
11. NOT FEASIBLE WITH APPLICATION OF ADVERSE ASSUMPTION IN THE FINAL SEGMENT.

07/09/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/02/2012.
1. PER F/C PILOT PRESSLER, INCREASED ALL MDA FROM 2280 TO 2380. MDA BRINGS THE AIRCRAFT TO CLOSE TO THE HILL IN FINAL.

08/27/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/02/2012.
1. PER F/C PILOT BILL SETTLEMIRE, INCREASED GPA FROM 3.21 TO 3.35 BY INCREASING FAF ALT FROM 3300 TO 3400.
2. CHANGED MDA BACK TO THE ORIGINAL 2280 FROM THE 07/09/2012 UPDATED COPY'S 2380.
3. CRC REMAINDER CHANGED FROM 63033691 TO CA876443.

NOTES, (CONT.):
CHART NOTE: STRAIGHT-IN /CIRCLING RWY 10 PROCEDURES NA AT NIGHT.
CHART NOTE: CIRCLING TO RWY 28 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	011/30 CW 191/30 (NOPT)	011/15 CW 191/15	4500
2.	011/15 CW 191/15	MIXUE (IF/IAF) (FB)	4000
3.	191/30 CW 011/30	MIXUE (IF/IAF) (FO)	4100

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:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KELM
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	420928.0685N
LTP/FTP LONGITUDE	0765410.6060W
LTP/FTP ELLIPSOIDAL HEIGHT	+02519
FPAP LATITUDE	420929.1870N
FPAP LONGITUDE	0765210.8175W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.35
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	CA876443

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02848
FPAP ORTHOMETRIC HEIGHT	+02848

QUALITY CHECKED

CITY AND STATE	ELEVATION: 955 THRE: 934 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ELMIRA/CORNING, NY	ELMIRA/CORNING RGNL	RNAV	RNAV (GPS) RWY 10, AMDT 2	AMDT: 1
				DATED: 01/18/2007

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:

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      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CEKAN K60    W     N42093720W076350984                      W0120     NAR           CEKAN
        SUSAEAENRT   HABOM K60    W     N42092252W077031749                      W0117     NAR           HABOM
        SUSAEAENRT   MIXUE K60    W     N42091701W077112145                      W0116     NAR           MIXUE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KELMK6AELM     0     080YHN42093548W076533028W012000955         1800018000C    MNAR    ELMIRA/CORNING RGNL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KELMK6FR10   AMIXUE 010MIXUEK6EA0EE AR   HF                    10110040    + 04000     18000                A JS
        SUSAP KELMK6FR10   R       010MIXUEK6EA0E  I    IF                                + 04000     18000                A JS
        SUSAP KELMK6FR10   R       020HABOMK6EA1E  F 051TF                    10110060    + 03400                          A JS
        SUSAP KELMK6FR10   R       020HABOMK6EA2WALP        N          ALNAV                                                JS
        SUSAP KELMK6FR10   R       030RW10 K6PG0GY M 031TF                    10120068      00989            -335          A JS
        SUSAP KELMK6FR10   R       040         0  M     CA                    1012        + 01355                          A JS
        SUSAP KELMK6FR10   R       050CEKANK6EA0EY      DF                              + 04000                          A JS
        SUSAP KELMK6FR10   R       060CEKANK6EA0EE  R   HM                    28150040    + 04000                          A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KELMK6GRW10    0054041013 N42092807W076541061+0200    +02519009340000551 50R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
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        SUSAP KELMK6PR10   RW10 002E      +02848+02848LP        70530
```

CITY AND STATE	ELEVATION: **955** **THRE: 934**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ELMIRA/CORNING, NY	AIRPORT NAME: **ELMIRA/CORNING RGNL**	**RNAV**	**RNAV (GPS) RWY 10, AMDT 2**	AMDT: **1**
				DATED: **01/18/2007**

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
	MIXUE	MIXUE	010	IAF	HF	R	FO		101.1(089.1T)	004.0	AA 04000	
		MIXUE	010	FACF	IF		FB				AA 04000	
		HABOM	020	FAF	TF		FB	0.5	101.1(089.1T)	006.0	AA 03400	
		RW10	030	MAP	TF		FO	0.3	101.2(089.2T)	006.8	AT 00989	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		101.2(089.2T)		AA 01355	
	CEKAN	050		DF		FO				AA 04000	
	CEKAN	060		HM	R	FO		281.5(269.5T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEKAN	N420937.20	W0763509.84	N4209.620	W07635.164
	HABOM	N420922.52	W0770317.49	N4209.375	W07703.292
	MIXUE	N420917.01	W0771121.45	N4209.284	W07711.358
	RW10	N420928.07	W0765410.61	N4209.468	W07654.177

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	00934	55

CITY AND STATE	ELEVATION: **955** **THRE: 934**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ELMIRA/CORNING, NY	AIRPORT NAME: **ELMIRA/CORNING RGNL**	**RNAV**	**RNAV (GPS) RWY 10, AMDT 2**	AMDT: **1**
				DATED: **01/18/2007**

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.
STRAIGHT-IN AREA	011/30 CW 191/30	011/15 CW 191/15	1. TREE	415251.00N/0773942.00W	2715 (3E)	2000	MT-215	4500
			2. TERRAIN	415251.00N/0773942.00W	2615 (2600)		AS1500	4100
STRAIGHT-IN AREA	011/15 CW 191/15	MIXUE	3. TREE	421003.00N/0773306.00W	2476 (3E)	2000	MT-476	4000
			4. TERRAIN	421003.00N/0773306.00W	2376 (2400)		AS1500	3900
STRAIGHT-IN AREA	191/30 CW 011/30	MIXUE	5. TREE	414540.00N/0765530.00W	2558 (2C)	2000	MT-458	4100
			6. TERRAIN	414540.00N/0765530.00W	2458 (2500)		AS1500	4000
INTERMEDIATE	MIXUE (IF/IAF)	HABOM	7. COMMUNICATION	420830.71N/0770438.84W	2496 (1A)	500	XP404	3400
			(K7N1T4888)					
			8. TERRAIN	421003.00N/0771218.00W	1766 (1800)		AS1500	3300
FINAL: LP	HABOM	RW10	9. AAO	420924.98N/0765928.34W	1978 (2C)	250	XL39	2280
FINAL: LNAV	HABOM	RW10	9. AAO	420924.98N/0765928.34W	1978 (2C)	250	XL39	2280
2. HOLD-IN-LIEU-OF-PT	MIXUE	P-5	10. AAO	420654.00N/0772515.00W	2143 (3E)	1000	AT857	4000
			11. TERRAIN	420654.00N/0772515.00W	1943 (1900)		AS1500	3400
3. MISSED APPROACH MAP:	RW10 / RW10	CEKAN				ASC		4000
			12. AAO	421018.00N/0763745.00W	2077 (3E)	1000		3100
ELEV:	2141/2141		13. TERRAIN	421018.00N/0763745.00W	1877 (1900)		AS1500	3400

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.		
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	1425
CATEGORY B	1.5 NM		450		1425
CATEGORY C	1.7 NM		450		1425
CATEGORY D	2.3 NM		550		1425
CATEGORY E	4.5 NM		550		

14. TREE	420804.91N/0765312.34W	1787 (2C)	300	SI	2280
14. TREE	420804.91N/0765312.34W	1787 (2C)	300	SI	2280
15. TREE	420740.49N/0765345.98W	1802 (2C)	300	SI	2280
16. TREE	420656.31N/0765348.98W	1842 (2C)	300	SI	2280

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	ELEVATION: 955	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ELMIRA/CORNING, NY	AIRPORT NAME: ELMIRA/CORNING RGNL	RNAV	RNAV (GPS) RWY 10, AMDT 2	AEA

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ELM APP CON ZNY ARTCC SATISFACTORY ON:	N W S / F A A / A / C — OTHER: ASOS	SOURCE: KELM / KPEO DISTANCE: 0 / 29.51 HOURS REMOTE OPERATION: 24 / BACKUP
X V H F X U H F H F	LOCATION:	ADJUSTMENT: 0 / 0

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

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 24 (PCL), 06 (PCL)
	X	HIRL 24 (PCL), 06 (PCL)
	X	MIRL 10, 28
		REIL
		TDZ
	X	C/L 24, 06
	X	OTHER (SPECIFY) PAPI-4L 28, 24 VASI-4L 06

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 24, 06
	INSTRUMENT	NPI-G 10, 28
7. RUNWAY VISUAL RANGE	APPROACH	24
	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: CHRISTOPHER COX	DATE: 05/02/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RASS PRESSURE PATTERNS SAME
KELM 955, KPEO 988
RA = 72.6.
SEE ATTACHED AIRSPACE LETTER.

LPV AND LNAV/VNAV NOT DEVELOPED: GQS NOT CLEAR AND APPROACH TYPES NOT REQUESTED.

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

R28 20:1
989 TREE (KELMT0047) 420932.000 N / 0765250.250 W (2.48)
971 TREE (36-021913) 420927.780 N / 0765254.670 W (1.45)

R10 20:1 (10 HIGHEST PENETRATIONS LISTED, 113 TOTAL)
1675 TREE (KELMT6584) 420944.680 N / 0765630.500 W (224.92)
1681 TREE (KELMT0916) 420944.330 N / 0765633.430 W (219.87)
1573 TREE (KELMT0731) 420942.640 N / 0765608.110 W (207.09)
1566 TREE (KELMT0720) 420941.650 N / 0765607.180 W (203.530)
1673 TREE (KELMT0921) 420941.080 N / 0765636.200 W (201.220)
1659 TREE (KELMT6623) 420940.950 N / 0765632.740 W (200.240)
1541 TREE (36-021909) 420941.200 N / 0765601.770 W (198.870)
1653 TREE (36-021941) 420939.700 N / 0765634.180 W (188.730)
1622 TREE (KELMT0892) 420944.310 N / 0765626.030 W (188.730)
1565 TREE (KELMT0754) 420942.400 N / 0765611.270 W (187.180)

34:1 (HIGHEST TEN PENETRATIONS LISTED, 438 TOTAL)
1675 TREE (KELMT6584) 420944.680 N / 0765630.500 W (437.260)
1681 TREE (KELMT0916) 420944.330 N / 0765633.430 W (436.760)
1673 TREE (KELMT0921) 420941.080 N / 0765636.200 W (422.490)
1659 TREE (KELMT6623) 420940.950 N / 0765632.740 W (416.150)
1653 TREE (36-021941) 420939.700 N / 0765634.180 W (406.910)
1657 TREE (KELMT0925) 420939.600 N / 0765637.140 W (404.350)
1655 TREE (KELMT0924) 420942.550 N / 0765637.150 W (402.450)
1631 TREE (KELMT0907) 420941.210 N / 0765629.910 W (394.430)
1622 TREE (KELMT0892) 420944.310 N / 0765626.030 W (394.150)
1573 TREE (KELMT0731) 420942.640 N / 0765608.110 W (384.770)

CONT.

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
3. MISSED APPROACH	MAP:								
	ELEV:								

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	ACTUAL
CATEGORY A	1.3 NM	350	
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

CITY AND STATE	ELEVATION: 955 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ELMIRA/CORNING, NY	**ELMIRA/CORNING RGNL**	**RNAV**	**RNAV (GPS) RWY 10, AMDT 2**	**AEA**

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS OTHER:	SOURCE:
	☐ FAA	DISTANCE:
	☐ A/C	HOURS REMOTE OPERATION:
☐ VHF ☐ UHF ☐ HF	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:

CONTINUED.
100' VEG APPLIED

PROCEDURE DESIGN WAS REQUESTED BY EFPT TO REMAIN THE SAME AS WHAT IS PUBLISHED (AMDT 1). TAA CHANGE WAS COORDINATED.

XP - 08/17/12 FLIGHT CHECK RESULTS INDICATE A MINIMUM 3.30 DEGREES FINAL GPA REQUIRED TO ALLOW VNAV GUIDANCE. FAF ALT INCREASED FROM 3300 TO 3400 ACCORDINGLY TO ACHIEVE 3.35 DEGREES GPA.

RADIO FIX AND HOLDING DATA RECORD

NAME: CEKAN **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 420937.20N/0763509.84W **TYPE:** WP

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E		WP	101.49	281.49	R		4	4000	6000	5	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	421303.00N/0763909.00W	2107	3E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10		1	KELM	ELMIRA/CORNING	NY (US)
IAP	RNAV (GPS) RWY 28		1	KELM	ELMIRA/CORNING	NY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
REMOVED FAC 1
ADDED FIX USE
UPDATED LAT/LONG 382.61 FT WEST
ADDED PRECIPITOUS NOTE
UPDATED PAT 1 HOLDING INBOUND FROM 281.44 TO 281.49 MAG
UPDATED PAT 1 OBSTACLE

DEVELOPED BY: **DATE:** 05/02/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY, ZOB
ATC FACILITY: ELM APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HABOM **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 420922.52N/0770317.49W **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 10			KELM	ELMIRA/CORNING	NY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
DELETED FAC 1
UPDATED LAT LONG: 2053.60 FT EAST
ADDED FIX USE

DEVELOPED BY: **DATE:** 04/30/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY, ZOB
ATC FACILITY: ELM APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MIXUE **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 420917.01N/0771121.45W **TYPE:** WP

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W		WP	281.08	101.08	R		4	4000	6000	5	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	420654.00N/0772515.00W	2143	3E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10		1	KELM	ELMIRA/CORNING	NY (US)
IAP	RNAV (GPS) RWY 28		1	KELM	ELMIRA/CORNING	NY (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
DELETED FAC 1
ADDED FIX USE
UPDATED LAT LONG: 2065.91 FT EAST
ADDED PRECIPITOUS NOTE
UPDATED PAT 1 INBOUND HEADING FROM 101.06 TO 101.08
UPDATED PAT 1 OBSTACLE

DEVELOPED BY: **DATE:** 04/30/2012 **OFFICE:** AJV-352 **NAME:** CHRISTOPHER COX

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZNY, ZOB
ATC FACILITY: ELM APP CON
OTHER:

QUALITY 2 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **ELMIRA/CORNING** STATE: **NY**

AIRPORT NAME: **ELMIRA/CORNING RGNL** ID: **KELM**

PROCEDURE: **RNAV (GPS) RWY 10** AMDT: **2**

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	**5.11**
2. Width of (Enter appropriate segment, final, intermediate, etc.)	**FINAL**	segment at 1000' point	**1.20**
3. True Course of	**FINAL**	segment containing 1000' point	**089.17**
4. High Terrain in	**FINAL**	segment containing 1000' point	**1778**
5. Distance from (If 1500' point in PT maneuvering area or holding pattern note in remarks)	**THLD**	to 1500' point	**6.78**
6. Width of	**FINAL**	segment at 1500' point	**2.13**
7. True Course of	**FINAL**	segment containing 1500' point	**089.17**
8. High Terrain in	**FINAL**	segment containing 1500' point	**1778**

9. Threshold Coordinates (if straight-in) ... **420928.07N** / **0765410.61W**

10. ARP Coordinates ..... **420934.80N** / **0765331.30W**

11. Runway Approach End and distance furthest from ARP ..... RWY **22**

Distance **0.68** NM

12. FAF Coordinates ..... **420922.52N** / **0770317.49W**

REMARKS: Approach/Drawing attached.

TAA SI ONLY IF: MIXUE (420917.01/0771121.45)

RADIO FIX AND HOLDING DATA RECORD

NAME: FAXIN **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 421416.61N/0771155.50W **TYPE:** WP

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MIXUE					359.06	5.00				17500

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

REMARKS:
FIX USE: ELMIRA/CORNING REGIONAL, ELMIRA, NY - RNAV (GPS) RWY 10

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/30/2004

REASON FOR REVISION:
PROCEDURE REBUILT DUE TO RWY CONSTRUCTION

DEVELOPED BY: **DATE:** 04/25/2003 **OFFICE:** AVN-110 **NAME:** LARRY BRANDENBURG

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** TERRY DEPLOIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: NYC
ARTCC: ZNY, ZOB
ATC FACILITY:
OTHER: ELM APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: JODAN **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 420416.45N/0771142.26W **TYPE:** WP

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MIXUE					179.06	5.00				17500

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

REMARKS:
FIX USE: ELMIRA/CORNING REGIONAL, ELMIRA, NY - RNAV (GPS) RWY 10

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/30/2004

REASON FOR REVISION:
PROCEDURE REBUILT DUE TO RUNWAY CONSTRUCTION

DEVELOPED BY: **DATE:** 04/25/2003 **OFFICE:** AVN-110 **NAME:** LARRY BRANDENBURG

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** TERRY DEPLOIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: NYC
ARTCC: ZNY, ZBW
ATC FACILITY:
OTHER: ELM APP CON

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WEXAS **STATE:** NY **COUNTRY:** US

LATITUDE/LONGITUDE: 420924.92N/0765925.18W **TYPE:** WP

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KELM R10					269.26	3.90				17500

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

REMARKS:
FIX USE: ELMIRA/CORNING REGIONAL, ELMIRA, NY - RNAV (GPS) RWY 10

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/28/2003

DEVELOPED BY: **DATE:** 04/28/2003 **OFFICE:** AVN-110 **NAME:** LARRY BRANDENBURG

APPROVED BY: **DATE:** **OFFICE:** AVN-110 **NAME:** TERRY DEPLOIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: NYC
ARTCC: ZNY, ZOB
ATC FACILITY:
OTHER: ELM APP CON