Flight Procedure Tracking Form	Action: AMENDMENT	Task Type: IAP	Date Open: 09/20/2011	Task #: 2011092026112701002	Request #: 20110920261127
Procedure: RNAV (GPS) Y RWY 14 AMDT 2A		Airport ID: KFRG	Airport: REPUBLIC		Reimbursable #:
City: FARMINGDALE	ST: NY	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID:	Fac. Type:		Specialist: KELLY DEAN		

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:				
QA:	6/25			QUALITY 6/26/12 CHECKED
Liaison:				

Procedure Comments:

Remark Type: INFORMATION

P2 waiver LPV

NON-ENROUTE

WAIVER: 8260-19E PARA 8-54I(3): NOT CHART NOTE: "VISIBILITY REDUCTION BY HELICOPTERS NA."

FIG: ✓

PAS PACK SAT

ARI SAVED

WAAS CH 69612 W14A	APP CRS 146°	Rwy ldg 6157 THRE 77 Apt Elev 80

RNAV (GPS) Y RWY 14

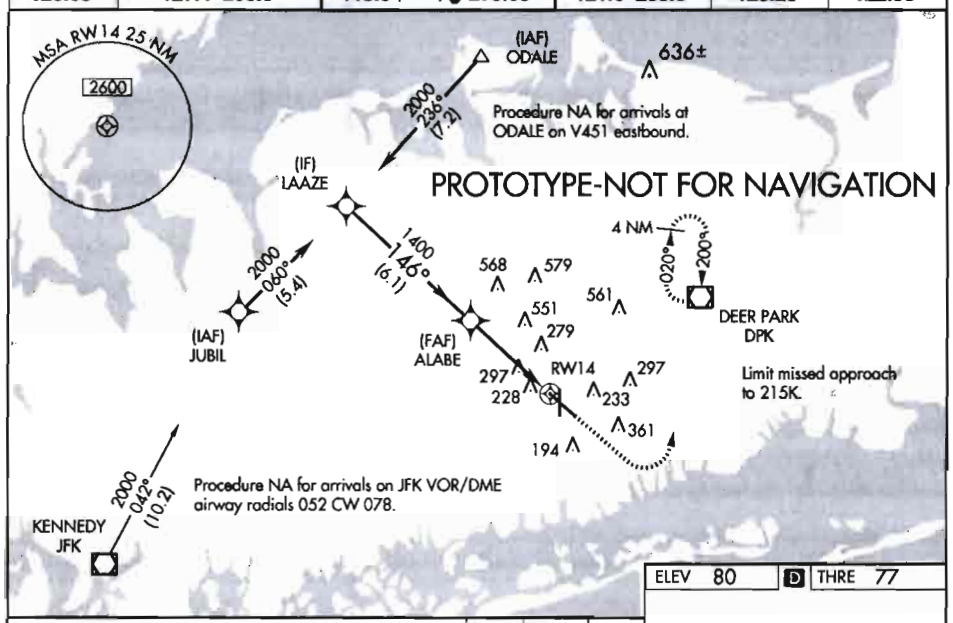
FARMINGDALE/REPUBLIC (FRG)

When VGSI inop, Circling Rwy 1 and Rwy 32 NA at night. Inop table does not apply to LPV. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. For inop MALSR: increase LNAV/VNAV all Cats visibility to 1; LNAV Cats A/B visibility to 1; LNAV Cats C/D visibility to 1⅜. Baro-VNAV and VDP NA when using Islip altimeter setting. When local altimeters setting not received, use Islip altimeter setting: increase LPV all Cats DA to 314; increase LNAV/VNAV all Cats DA to 426 and all MDA 40 feet; increase Circling Cats C/D visibility ¼ mile; inop table does not apply to LPV; for inop MALSR increase LNAV/VNAV all Cats visibility to 1⅛ and LNAV Cats A/B visibility to 1.

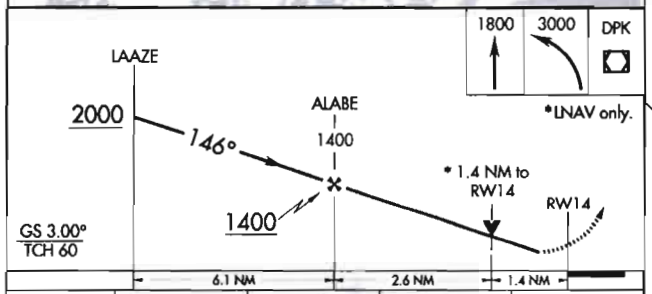
MALSR

MISSED APPROACH: Climb to 1800 then climbing left turn to 3000 direct DPK VOR/DME and hold, continue climb-in-hold to 3000.

ATIS	NEW YORK APP CON	REPUBLIC TOWER *	GND CON	CLNC DEL	UNICOM
126.65	127.4 269.6	118.8 (CTAF) 279.65	121.6 269.6	128.25	122.95



ELEV 80 D THRE 77



CATEGORY	A	B	C	D
LPV DA	277-¾ 200 (200-¾)			
LNAV/VNAV DA	389- ¾ 312 (400-¾)			
LNAV MDA	560-¾ 483 (500-¾)		560-1 483 (500-1)	
CIRCLING	560-1 480 (500-1)	600-1 520 (600-1)	720-1¾ 640 (700-1¾)	720-2 640 (700-2)

REIL Rwys 1, 19, and 32
MIRL Rwy 1-19
HIRL Rwy 14-32

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
JFK VOR/DME	JUBIL (FB)	041.86 / 10.17	2000
JUBIL (IAF)	LAAZE (FB)	059.58 / 5.38	2000
ODALE (IAF)	LAAZE (FB)	236.18 / 7.20	2000
LAAZE (IF)	ALABE (FB)	146.13 / 6.05	1400
ALABE (FAF)	RW14 (MAP) (FO)	146.20 / 3.97	
RW14 (MAP)	1800 MSL	146.20	1800
1800 MSL	DPK VOR/DME (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 3000 DIRECT DPK VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT LAAZE
3. FAC: 146.20 FAF: ALABE DIST FAF TO MAP: 3.97 THLD: 3.97
4. MIN. ALT: LAAZE 2000, ALABE 1400
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1400 GS ALT AT: ALABE 1400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 59.7 34:1 IS NOT CLEAR
8. MSA FROM: RW14 2600

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 200.00 INBOUND.
CHART FAS OBST: 228 TANK 404411N/0732614W
CHART FAS OBST: 297 TANK 404451N/0732647W
568 AAO 404702N/0732759W.
DISTANCE TO THLD FROM 200 HATH: 0.44 NM.
CHART VDP AT 1.36 MILES TO RW14*
*LNAV ONLY.
WAAS CHANNEL # 69612
REFERENCE PATH ID: W14A
LTP HAE: -7.5 M

MAG VAR: 14W EPOCH YEAR: 2000

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	277	3/4	200	277	3/4	200	277	3/4	200	277	3/4	200			
LNAV/VNAV DA	389	3/4	312	389	3/4	312	389	3/4	312	389	3/4	312			
LNAV MDA	560	3/4	483	560	3/4	483	560	1	483	560	1	483			
CIRCLING	560	1	480	600	1	520	720	1 3/4	640	720	2	640			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 1 AND RWY 32 NA AT NIGHT.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 80 THRE: 77	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
FARMINGDALE, NY	AIRPORT NAME: REPUBLIC		RNAV (GPS) Y RWY 14, AMDT 2A	AMDT: 2
				DATED 07/26/2012

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, N90, FRG ATCT, FRG AMGR**

FLIGHT CHECKED BY		
NAME: **WILLIAM EDWARD SETTLEMIRE**	FIFO **FIOG**	DATE: **06/15/2012**
DEVELOPED BY		
NAME: **KELLY DEAN**	FIFO **AJV-352**	DATE: **06/19/2012**
APPROVED BY		
NAME: **DARRYEL ADAMS** **MANAGER**	FIFO **AJV-352**	DATE:

CHANGES:

1. REMOVED VISIBILITY REDUCTION BY HELICOPTERS NA NOTE.
2. UPDATED LNAV/VNAV HI TEMP FROM 43C (109F) TO 54C (130F).

REASONS:

1. 34:1 PENETRATION DOES NOT LIE WITHIN CAT A/B VISUAL SURFACE AREA - WAIVER SUBMITTED.
2. NEW AFS POLICY TO CALCULATE BARO-VNAV HIGH TEMP.

QUALITY CHECKED

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NOTES, (CONT.):
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON JFK VOR/DME AIRWAY RADIALS 052 CW 078.
CHART NOTE: FOR INOPERATIVE MALSR: INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1; LNAV CATS A/B VISIBILITY TO 1; LNAV CATS C/D VISIBILITY TO 1 3/8.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ISLIP ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ISLIP ALTIMETER SETTING: INCREASE LPV ALL CATS DA TO 314; INCREASE LNAV/VNAV ALL CATS DA TO 426; INCREASE ALL MDA 40 FEET AND CIRCLING CATS C/D VISIBILITY 1/4 MILE; INOPERATIVE TABLE DOES NOT APPLY TO LPV; FOR INOPERATIVE MALSR INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/8 AND LNAV CATS A/B VISIBILITY TO 1.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ODALE ON V451 EASTBOUND.
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 215 KIAS.

CITY AND STATE	ELEVATION: 80 THRE: 77	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FARMINGDALE, NY	AIRPORT NAME: REPUBLIC	RNAV	RNAV (GPS) Y RWY 14, AMDT 2A	AMDT: 2
				DATED: 07/26/2012

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:

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFRG
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	404400.1855N
LTP/FTP LONGITUDE	0732511.7490W
LTP/FTP ELLIPSOIDAL HEIGHT	-00075
FPAP LATITUDE	404300.2500N
FPAP LONGITUDE	0732345.0000W
THRESHOLD CROSSING HEIGHT (TCH)	00059.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0872
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	968FC846

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00236
FPAP ORTHOMETRIC HEIGHT	+00236

CITY AND STATE	ELEVATION: 80 THRE: 77	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
FARMINGDALE, NY	AIRPORT NAME: REPUBLIC	RNAV	RNAV (GPS) Y RWY 14, AMDT 2A	AMDT: 2
				DATED: 07/26/2012

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**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DPK   K6011770VDLW N40473036W073181324    N40473036W073181324W0120001171     NARDEER PARK
        SUSAD        JFK   K6011590VDH  N40375840W073461700    N40375840W073461700W0120000112     NARKENNEDY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALABE K60    W     N40464019W073290364                     W0134     NAR           ALABE
        SUSAEAENRT   JUBIL K60    W     N40465819W073400160                     W0133     NAR           JUBIL
        SUSAEAENRT   LAAZE K60    W     N40504401W073345798                     W0133     NAR           LAAZE
        SUSAEAENRT   ODALE K60    C   L N40560429W073283603                     W0134     NAR           ODALE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFRGK6AFRG     0     068YHN40434360W073244830W014000080         1800018000C    MNAR    REPUBLIC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFRGK6FR14-Y AJFK   010JFK  K6D 0V       IF                                          18000                A JS
        SUSAP KFRGK6FR14-Y AJFK   020JUBILK6EA0E  A 020TF                    04190102    + 02000                         A JS
        SUSAP KFRGK6FR14-Y AJFK   030LAAZEK6EA0EE B 010TF                    05960054    + 02000                         A JS
        SUSAP KFRGK6FR14-Y AODALE 010ODALEK6EA0E  A    IF                                          18000                A JS
        SUSAP KFRGK6FR14-Y AODALE 020LAAZEK6EA0EE B 010TF                    23620072    + 02000                         A JS
        SUSAP KFRGK6FR14-Y R      010LAAZEK6EA0E  I    IF                                          + 02000     18000    A JS
        SUSAP KFRGK6FR14-Y R      020ALABEK6EA1E  F 051TF                    14610061    + 01400                 RW14  K6PGA JS
        SUSAP KFRGK6FR14-Y R      020ALABEK6EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KFRGK6FR14-Y R      030RW14 K6PG0GY M 031TF                    14620040      00137            -300          A JS
        SUSAP KFRGK6FR14-Y R      040         0  M     CA                    1462        + 01800                         A JS
        SUSAP KFRGK6FR14-Y R      050DPK  K6D 0VY  L   DF                                + 03000          215            A-JS
        SUSAP KFRGK6FR14-Y R      060DPK  K6D 0VE  R   HM                    20000040    + 03000                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFRGK6GRW14    0068331462 N40440019W073251175-0200    -0007500077067660150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFRGK6PR14-Y RW14 001Y0000W14A0N4044001855W07325117490-000750300N4043002500W073234500001067508720005 97F400350968FC846
```

CITY AND STATE	ELEVATION: 80 THRE: 77	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FARMINGDALE, NY	AIRPORT NAME: **REPUBLIC**	**RNAV**	**RNAV (GPS) Y RWY 14, AMDT 2A**	AMDT: **2**
				DATED: **07/26/2012**

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:

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```
SUSAP KFRGK6PR14-Y RW14 002E      +00236+00236LPV       69612

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFRGK6SRW14 K6PG                0   18018002625                                                                        M
```

CITY AND STATE	ELEVATION: 80 THRE: 77	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FARMINGDALE, NY	AIRPORT NAME: REPUBLIC	RNAV	RNAV (GPS) Y RWY 14, AMDT 2A	AMDT: 2
				DATED: 07/26/2012

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:

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	JFK	JFK	010		IF		FB					
	JFK	JUBIL	020	IAF	TF		FB	2.0	041.9(027.9T)	010.2	AA 02000	
	JFK	LAAZE	030		TF		FB	1.0	059.6(045.6T)	005.4	AA 02000	
	ODALE	ODALE	010	IAF	IF		FB					
	ODALE	LAAZE	020		TF		FB	1.0	236.2(222.2T)	007.2	AA 02000	
		LAAZE	010	FACF	IF		FB				AA 02000	
		ALABE	020	FAF	TF		FB	0.5	146.1(132.1T)	006.1	AA 01400	
		RW14	030	MAP	TF		FO	0.3	146.2(132.2T)	004.0	AT 00137	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		146.2(132.2T)		AA 01800	
	DPK	050		DF	L	FO				AA 03000	AB 215
	DPK	060		HM	R	FO		200.0(186.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DPK	N404730.36	W0731813.24	N4047.506	W07318.221
	JFK	N403758.40	W0734617.00	N4037.973	W07346.283
	ALABE	N404640.19	W0732903.64	N4046.670	W07329.061
	JUBIL	N404658.19	W0734001.60	N4046.970	W07340.027
	LAAZE	N405044.01	W0733457.98	N4050.734	W07334.966
	ODALE	N405604.29	W0732836.03	N4056.072	W07328.601
	RW14	N404400.19	W0732511.75	N4044.003	W07325.196

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00077	60

CITY AND STATE	ELEVATION: 80 THRE: 77	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
FARMINGDALE, NY	AIRPORT NAME: **REPUBLIC**	**RNAV**	**RNAV (GPS) Y RWY 14, AMDT 2A**	AMDT: **2**
				DATED: **07/26/2012**

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

COORDINATED WITH:

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

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

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FEEDER	JFK VOR/DME	JUBIL	1. BLDG (36-000454)	404526.00N/0734254.00W	605 (4D)	1000	AT395	2000
			2. TERRAIN	404654.00N/0734100.00W	289 (300)		AS1500	1800
INITIAL	JUBIL	LAAZE	3. AAO	404815.00N/0733509.00W	568 (4E)	1000	AT432	2000
			4. TERRAIN	404815.00N/0733509.00W	368 (400)		AS1500	1900
INITIAL	ODALE	LAAZE	5. AAO	405021.00N/0733124.00W	499 (4E)	1000	AT501	2000
			6. TERRAIN	405100.00N/0733003.00W	296 (300)		AS1500	1800
INTERMEDIATE	LAAZE	ALABE	3. AAO	404815.00N/0733509.00W	568 (4E)	500	AC98	1200
			4. TERRAIN	404815.00N/0733509.00W	368 (400)		AS1000	1400
FINAL: LPV	ALABE	RW14				ASC		277/200
FINAL: LNAV/VNAV	ALABE	RW14	7. TANK (36-000322)	404410.53N/0732613.74W	228 (1A)	PDA		389/312
FINAL: LNAV	ALABE	RW14	8. TANK (36-001514)	404451.00N/0732647.00W	297 (2A)	250		560
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / RW14	DPK VOR/DME				ASC		3000
			9. TOWER (36-000350)	404659.08N/0732201.78W	561 (1D)	1000		1600
ELEV:	107/228/460		10. TERRAIN	404918.00N/0731900.00W	292 (300)		AS1500	1800
			11. TANK (36-001495)	404511.00N/0732512.00W	235 (1A)	300	SI	560
			8. TANK (36-001514)	404451.00N/0732647.00W	297 (2A)	300		600
			8. TANK (36-001514)	404451.00N/0732647.00W	297 (2A)	300	XP123	720
			12. TOWER (36-002147)	404247.00N/0732204.00W	361 (5D)	300	AC50	720

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	480
CATEGORY B	1.5 NM	450	520
CATEGORY C	1.7 NM	450	640
CATEGORY D	2.3 NM	550	640
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW14

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	BLDG (36-000206)	286/ 25.8	1505 (1C)	2600					

CITY AND STATE	ELEVATION: 80 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
FARMINGDALE, NY	REPUBLIC	RNAV	RNAV (GPS) Y RWY 14, AMDT 2A	AEA

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
N90 TRACON FRG TOWER		N W S	OTHER: ASOS	SOURCE: KFRG / KISP
		F A A		DISTANCE: 0 / 14.83
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION:
X V H F X U H F H F	LOCATION: KFRG			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 14 (PCL)
X	HIRL 14 (PCL), 32 (PCL)
X	MIRL 01 (PCL), 19 (PCL)
X	REIL 01 (PCL), 19 (PCL), 32 (PCL)
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-4R 01 (PCL) PAPI-2L 19 (PCL) PAPI-4L 14 (PCL), 32 (PCL)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 14
	INSTRUMENT	NPI-G 01, 19, 32
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH		
	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 77.4
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 59.7

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

10. WAIVERS: 1

ORDER 8260.19D, PARAGRAPH 8-54I(3); REQUEST NOT TO UTILIZE THE NOTE "VISIBILITY REDUCTION BY HELIOCPTERS NA." TO ALLOW REDUCED VISIBILITY APPLICATION BY HELICOPTERS THAT ARE ABLE TO REMAIN WITHIN THE CAT A PROTECTED AREAS OF THE PROCEDURE DUE TO THEIR MANEUVERING CAPABILITIES.

PART D - PREPARED BY: KELLY DEAN	DATE: 06/19/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS PARAGRAPH 289 APPLIED TO 568 AAO
404702.20N/0732758.65W.

2. KFRG AND KISP ASOS ON SERVICE A.
3. KISP 24-HR BACK-UP. ADJUSTMENT: 37 FEET.
5. VGSI DATA: 3.00/50.0.

APPROVAL LETTER SUBMITTED FOR MISSED APPROACH SPEED RESTRICTION FOR AIRSPACE IAW MEMO DATED 10/19/10, HARMONIZED FLIGHT INSTRUMENT PROCEDURE DESIGN CALCULATIONS.

WAIVER: FAAO 8260.19D PARA 8-54I(3) REQUEST NOT TO UTILIZE THE NOTE "VISIBILITY REDUCTION BY HELIOCPTERS NA." TO ALLOW REDUCED VISIBILITY APPLICATION BY HELICOPTERS THAT ARE ABLE TO REMAIN WITHIN THE CAT A PROTECTED AREAS OF THE PROCEDURE DUE TO THEIR MANEUVERING CAPABILITIES.

NO ADDITIONAL AIRSPACE REQUIRED.

LPV OCS SURFACE = 34:1
AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION.
LNAV/VNAV OCS SURFACE = 23.44:1

RASS (PRESSURE PATTERNS ARE THE SAME):
KFRG 80.0, KISP 98.6
RA = 36.72
RASS ROUNDED UP TO 37 FEET FOR ALL DA AND 40 FEET FOR ALL MDA AND PUBLISHED AS A NOTE.

TAA NOT DEVELOPED PER ATC REQUEST.

LPV, LNAV/VNAV AND LNAV INTERMEDIATE SEGMENTS HAVE SAME CONTROLLING OBSTACLES.

IAF AND IF, AND ALTITUDES PER ATC REQUEST WITH MODIFICATIONS TO MEET CRITERIA.

INITIAL AND MISSED APPROACH MINIMUM LEG LENGTHS CALCULATED USING PBN MINIMUM LEG LENGTH CALCULATOR USING 25 DEGREE BANK ANGLES.

TERPS, VOLUME 1, VISUAL PORTION OF FINAL PENETRATIONS:

RWY 14, 34:1 PENETRATIONS:
142 TREE (36-021625) 404411.27N/0732538.41W (3.65)
103 POLE (36-021621) 404403.57N/0732525.36W (1.92)
RWY 1, UNLIT 20:1 PENETRATIONS:
107 POLE (36-021592) 404307.60N/0732451.31W (1.13)
99 POLE (36-021595) 404309.79N/0732450.25W (4.15)
99 POLE (36-021644) 404310.84N/0732453.89W (9.66)
RWY 19, 20:1 PENETRATIONS: (BOTH ARE EQUIPPED WITH OBSTRUCTION LIGHTS-NO NIGHT RESTRICTIONS REQUIRED)
123 STACK (36-001496) 404415.00N/0732449.00W (4.95)
139 BLDG (36-001497) 404419.00N/0732455.00W (0.39)
RWY 32, UNLIT 20:1 PENETRATION:
112 TREE (36-021683) 404311.57N/0732402.72W (6.44)
FPT NOTIFIED.

CIRC CAT C: XP 123 TO RETAIN PUBLISHED MINIMUMS.

QUALITY CHECKED

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:

FARMINGDALE, NY (KFRG)
REPUBLIC AIRPORT
RNAV (GPS) Y RWY 14

2. Waiver Required and Applicable Standard:

FAAO 8260.19E PARA 8-54l(3) - WHEN ORDER 8260.3 VOLUME 1, PARAGRAPHS 3.3.2D AND 3.3.3D, REQUIRES VISIBILITY TO BE LIMITED TO 3/4 MILE BECAUSE OF 34:1 VISUAL SURFACE PENETRATIONS, A NOTE IS REQUIRED TO PREVENT HELICOPTERS FROM APPLYING 14 CFR PART 97.3 ALLOWING HELICOPTERS TO REDUCE VISIBILITY TO 1/2 OF THE PUBLISHED VISIBILITY MINIMUM FOR CATEGORY A AIRCRAFT; "CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM (OR RVR 4000 AS APPROPRIATE) NOT AUTHORIZED."

3. Reason for Waiver *(Justification for nonstandard treatment)*:

REQUEST TO NOT UTILIZE THE NOTE "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM (OR RVR 4000 AS APPROPRIATE) NOT AUTHORIZED" TO ALLOW HELICOPTERS TO APPLY THE PROVISIONS OF TITLE 14 CFR PART 97.3 THAT PERMITS A REDUCTION IN VISIBILITY WHEN USING FIXED WING AIRCRAFT CAT A MINIMA.

4. Equivalent Level of Safety Provided:

OBSTACLE IS OUTSIDE OF THE ORDER 8260.3B, PARA 3.3.2C(1)(B) CAT A/B FIXED WING VISUAL ASSESSMENT AREA THAT WOULD APPLY TO HELICOPTERS AS REFERENCED IN PARA 1108.

RWY 14 HAS A FLIGHT CHECK VERIFIED PAPI 14 WHICH WOULD FACILITATE NIGHT OPERATIONS.

RWY 14 HAS A MALSR APPROACH LIGHT SYSTEM.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:

NA

6. Coordination With User Organizations *(Specify)*:

AJV-351:_____
AJV-352:_____

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
	AJV-35	**GREGORY YAMAMOTO** **MANAGER, TERMINAL PROCEDURES PUBLICATION GROUP**	

8. CONTINUATION
Comments:

9. AFS ACTION		
		Approved
		Disapproved
		Not Required

Comments:		
Date:	Routing Symbol:	Signature: