Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 08/04/2011	Task #: 2008061618983759003	Request #: 20080616189837
Procedure: RNAV (GPS) RWY 15 ORIG		Airport ID: K48Y	Airport: PINEY PINECREEK BORDER		Reimbursable #:
City: PINECREEK	ST: MN	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID:	Fac. Type: Proc-G	Specialist: COLTON CROWDER			

P1

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	05/21/2012	06/28/2012	JILL OLSON	
QA:	06/28/2012	06/29/2012	STEVEN SZUKALA	
Liaison:	06/29/2012		K. Spurlin	P1; PKG 2 of 4

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

PINECREEK, MN PINEY PINECREEK BORDER (K48Y) RNAV (GPS) RWY 15, ORIG FC BY 9/18/12 PUB 11/15/12

ATTACHED FORMS: 8260-3, 8260-9, 8260-10
8260-2(S): COLTU INT, ORIG; JIRMA, ORIG; OTBEE, ORIG; RAROE, ORIG.

CONTACT JILL OLSON/STEVE BARNETT, 405.954.0414/9307.

APP CRS		
327°	Rwy Idg	3297
	THRE	1082
	Apt Elev	1082

RNAV (GPS) RWY 15

PINECREEK/ PINEY PINECREEK BORDER (48Y)

increase all MDA 40 feet

⚠ NA Use Roseau altimeter setting; when not received, use Warroad altimeter setting and ~~add 40 feet to all MDA~~. DME/DME RNP-0.3 NA. Straight-In/Circling Rwy 15 procedure NA at night. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3000 direct OTBEE and hold.

ROSEAU AWOS-3	MINNEAPOLIS CENTER	UNICOM
108.8	134.75 251.1	122.8 (CTAF) L

A1590

PROTOTYPE: NOT FOR NAVIGATION

NoPT for arrival at COLTU on V175 southeast bound.

MSA RW 15 25 NM
2700

4 NM
147° (152°T)
327° (332°T)
(IF/IAF) COLTU
2800
147° (4.2) (152°T)
(FAF) RAROE
147° (152°T) (3.0)
JIRMA 2.3 NM to RW15
RW15

CANADA
UNITED STATES

COLTU: 4908.510N/09605.924W
JIRMA: 4902.203N/09600.770W
RAROE: 4904.817N/09602.903W
OTBEE: 4852.372N/09552.784W
RW15: 4900.178N/09559.120W

4 NM
147° (152°T)
327° (332°T)
OTBEE

ELEV 1082 THRE 1082

3297 X 75
0.5% UP
☆1136
15
33
147° to RW15
MIRL Rwy 15-33 L

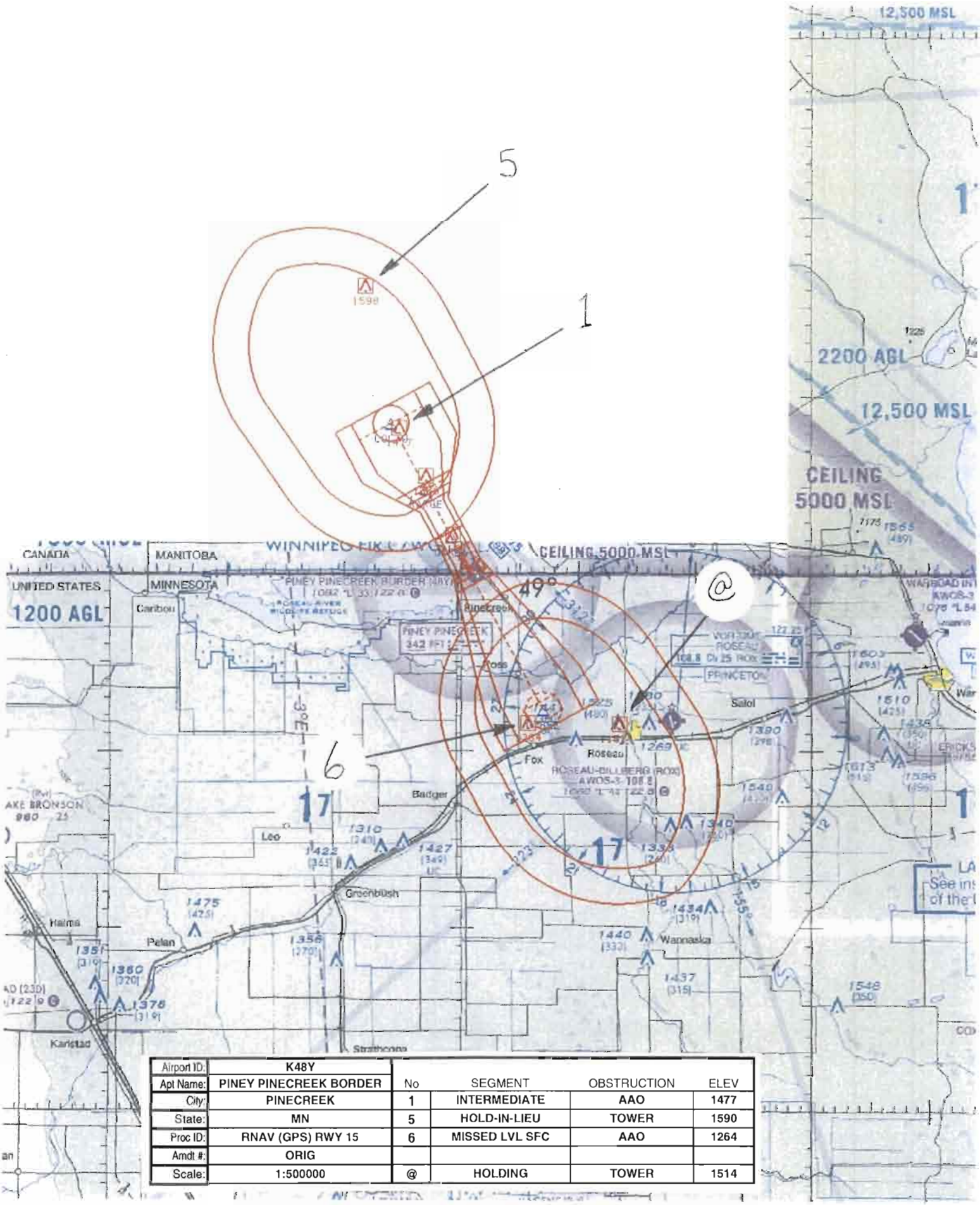
4 NM Holding Pattern
(332°T) 327°
147° (152°T)
COLTU
3700
(152°T) 147°
RAROE
2800
JIRMA 2.3 NM to RW15
RW15
1840
3000
OTBEE
4.2 NM
3.0 NM
2.3 NM

CATEGORY	A	B	C	D
LNAV MDA	1460-1	378 (400-1)		NA
CIRCLING	1500-1 418 (500-1)	1540-1 458 (500-1)		NA

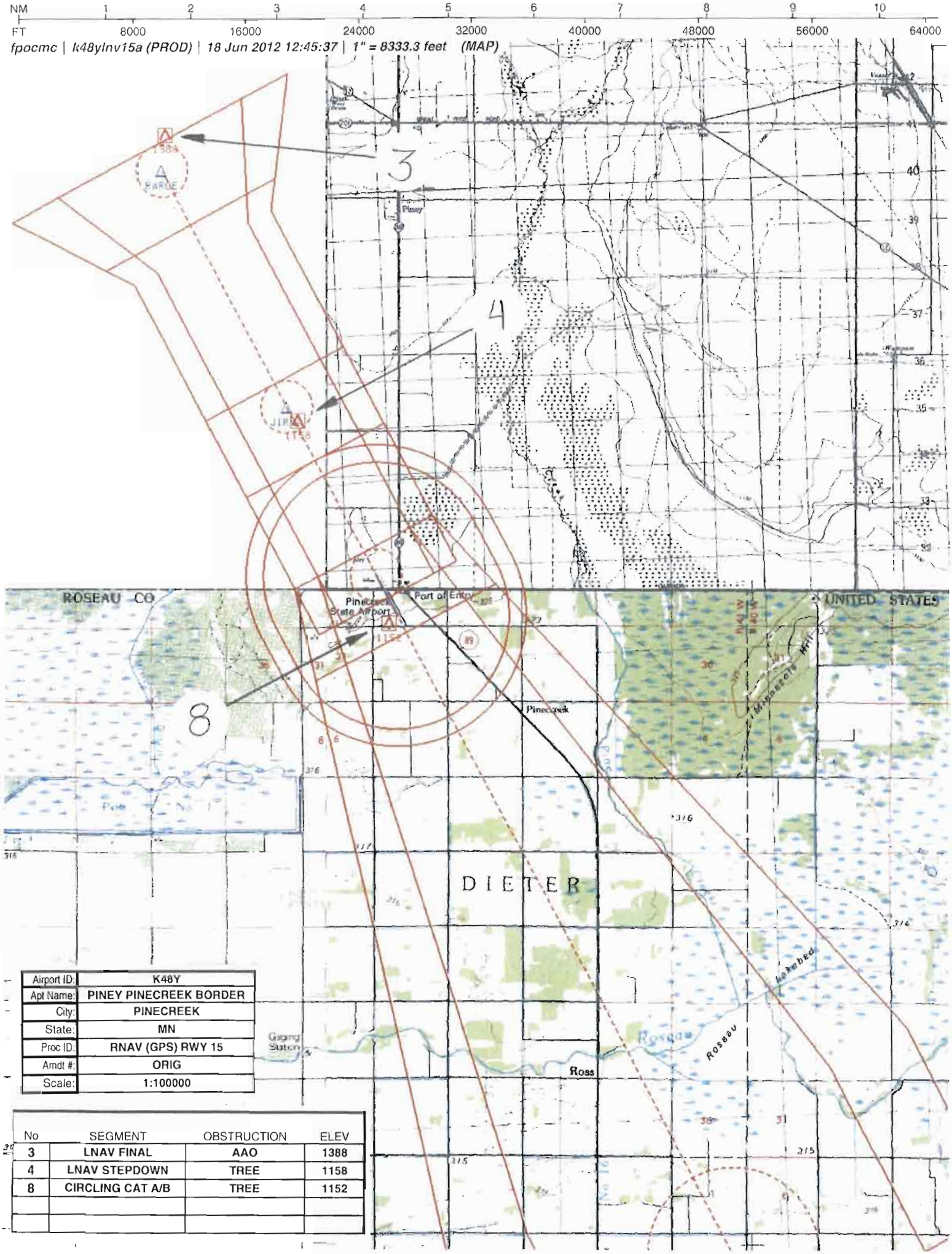
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpocmc | k48ylnv15a (PROD) | 18 Jun 2012 12:43:25 | 1" = 41666.7 feet (MAP)



Airport ID:	K48Y				
Apt Name:	PINEY PINECREEK BORDER	No	SEGMENT	OBSTRUCTION	ELEV
City:	PINECREEK	1	INTERMEDIATE	AAO	1477
State:	MN	5	HOLD-IN-LIEU	TOWER	1590
Proc ID:	RNAV (GPS) RWY 15	6	MISSED LVL SFC	AAO	1264
Amdt #:	ORIG				
Scale:	1:500000	@	HOLDING	TOWER	1514



Airport ID:	K48Y
Apt Name:	PINEY PINECREEK BORDER
City:	PINECREEK
State:	MN
Proc ID:	RNAV (GPS) RWY 15
Amdt #:	ORIG
Scale:	1:100000

No	SEGMENT	OBSTRUCTION	ELEV
3	LNAV FINAL	AAO	1388
4	LNAV STEPDOWN	TREE	1158
8	CIRCLING CAT A/B	TREE	1152

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
COLTU (IF/IAF)	RAROE (FB)	146.74 / 4.20	2800
RAROE (FAF)	JIRMA/2.30 NM TO RW15 (FB)	146.78 / 2.97	
JIRMA/2.30 NM TO RW15	RW15 (MAP) (FO)	146.81 / 2.30	
RW15 (MAP)	1460 MSL	146.81	
1460 MSL	OTBEE (FO)		3000

MISSED APPROACH

LNAV: RW15

CLIMB TO 3000 DIRECT OTBEE AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 326.91 INBOUND.
CHART FAS OBST: 1158 TREE 490152N/0960030W
RAROE TO RW15: 3.00/40
CHART US CANADIAN BORDER SUBDUED.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW COLTU, RT, 146.74 INBOUND, 3700 FT. IN LIEU OF PT (IAF)
3. FAC: 146.78 FAF: RAROE DIST FAF TO MAP: 5.27 THLD: 5.27
4. MIN. ALT: COLTU 3700, RAROE 2800, JIRMA/2.30 NM TO RW15 1840
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: RW15 2700

MAG VAR: 5E EPOCH YEAR: 1995

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	1460	1	378	1460	1	378		NA			NA				
CIRCLING	1500	1	418	1540	1	458		NA			NA				

NOTES:
CHART NOTE: USE ROSEAU ALTIMETER SETTING; WHEN NOT RECEIVED, USE WARROAD ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: STRAIGHT-IN/CIRCLING RWY 15 PROCEDURE NA AT NIGHT.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 1082 THRE: 1082 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
PINECREEK, MN	PINEY PINECREEK BORDER	RNAV	RNAV (GPS) RWY 15, 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] **ZMP, AMGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:
JILL OLSON (COLTON CROWDER)	**AJV-353**	**06/18/2012**

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

CHANGES:

ORIGINAL.

REASONS:

PER FPT REQUEST.

PDF EDITS:
ADDED (FAF) DESIGNATOR, REMOVED STEPDOWN ALTITUDE, CHANGED MISSED APPROACH ALTITUDE, REMOVED MISSED APPROACH HOLDING RNP VALUE.

QUALITY 4 CHECK

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES, (CONT.):
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT COLTU ON V175 SOUTHEAST BOUND.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1082 THRE: 1082	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
PINECREEK, MN	AIRPORT NAME: PINEY PINECREEK BORDER	RNAV	RNAV (GPS) RWY 15, ORIG	AMDT: NONE
				DATED:

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:

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      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SCANEAENRT   COLTU CY0    C   L N49083057W096055541                    E0025     NAR           COLTU
        SCANEAENRT   JIRMA CY0    W     N49021219W096004619                    E0024     NAR           JIRMA
        SCANEAENRT   RAROE CY0    W     N49044900W096025415                    E0025     NAR           RAROE
        SUSAEAENRT   OTBEE K30    W     N48522230W095524704                    E0023     NAR           OTBEE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 48Y K3A48Y     0     032YHN48595631W095585551E005001082         18000180000C    MNAR    PINEY PINECREEK BORDER

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 48Y K3FR15   ACOLTU 010COLTUCYEA0EE AR   HF                    14670040    + 03700     18000                B JS
        SUSAP 48Y K3FR15   R      010COLTUCYEA0E  I    IF                                + 03700     18000                B JS
        SUSAP 48Y K3FR15   R      020RAROECYEA1E  F 051TF                    14670042    + 02800                  RW15  K3PGB JS
        SUSAP 48Y K3FR15   R      020RAROECYEA2WN          N          ALNAV                                                 JS
        SUSAP 48Y K3FR15   R      021JIRMACYEA0E S  031TF                    14680030    V 0184001855        -300          B JS
        SUSAP 48Y K3FR15   R      030RW15 K3PG0GY M 031TF                    14680023      01122             -300          B JS
        SUSAP 48Y K3FR15   R      040         0  M     CA                    1468        + 01460                         B JS
        SUSAP 48Y K3FR15   R      050OTBEEK3EA0EY       DF                              + 03000                         B JS
        SUSAP 48Y K3FR15   R      060OTBEEK3EA0EE  R    HM                    32690040    + 03000                         B JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 48Y K3GRW15    0032971468 N49001065W095590718-0500    +03021010820000400 75R

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP 48Y K3SRW15 K3PG              0   18018002725                                                                    M
```

CITY AND STATE	ELEVATION: 1082 THRE: 1082	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PINECREEK, MN	AIRPORT NAME: **PINEY PINECREEK BORDER**	**RNAV**	**RNAV (GPS) RWY 15, ORIG**	AMDT: **NONE**
				DATED:

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
	COLTU	COLTU	010	IAF	HF	R	FO		146.7(151.7T)	004.0	AA 03700	
		COLTU	010	FACF	IF		FB				AA 03700	
		RAROE	020	FAF	TF		FB	0.5	146.7(151.7T)	004.2	AA 02800	
		JIRMA	021	SDF	TF		FB	0.3	146.8(151.8T)	003.0	AA 01840 GS 01855	
		RW15	030	MAP	TF		FO	0.3	146.8(151.8T)	002.3	AT 01122	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		146.8(151.8T)		AA 01460	
	OTBEE	050		DF		FO				AA 03000	
	OTBEE	060		HM	R	FO		326.9(331.9T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COLTU	N490830.57	W0960555.41	N4908.510	W09605.924
	JIRMA	N490212.19	W0960046.19	N4902.203	W09600.770
	RAROE	N490449.00	W0960254.15	N4904.817	W09602.903
	OTBEE	N485222.30	W0955247.04	N4852.372	W09552.784
	RW15	N490010.65	W0955907.18	N4900.178	W09559.120

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	01082	40

CITY AND STATE	ELEVATION: **1082** **THRE: 1082**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
PINECREEK, MN	AIRPORT NAME: **PINEY PINECREEK BORDER**	**RNAV**	**RNAV (GPS) RWY 15, ORIG**	AMDT: **NONE**
				DATED:

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.
INTERMEDIATE	COLTU (IF/IAF)	RAROE	1. AAO	490751.00N/0960512.00W	1477 (4E)	500	AC125	2200
			2. TERRAIN	490751.00N/0960512.00W	1277 (1300)		AS1500	2800
FINAL: LNAV	RAROE	JIRMA/2.30 NM TO RW15	3. AAO	490509.00N/0960251.00W	1388 (4E)	250	RA36 DG40 AC125	1840
FINAL: LNAV STEPDOWN	JIRMA/2.30 NM TO RW15	RW15	4. TREE (K48YT0243)	490152.11N/0960029.54W	1158 (1A)	250	RA36	1460
2. HOLD-IN-LIEU-OF-PT	COLTU	P-5	5. TOWER (CA-004394)	491546.00N/0960805.00W	1590 (4D)	300	AT1810	3700
			2. TERRAIN	490751.00N/0960512.00W	1277 (1300)		AS1500	2800
3. MISSED APPROACH MAP:	RW15	OTBEE				ASC		3000
			6. AAO	485112.46N/0955400.62W	1264 (2C)	1000		2300
ELEV:	1324		7. TERRAIN	485112.46N/0955400.62W	1064 (1100)		AS1500	2600

4. CIRCLING AREA	DISTANCE		REQUIRED		ACTUAL	HT. ABV. ARPT.					
CATEGORY A	1.3 NM		350			418	8. TREE (K48YT0008)	485932.10N/0955853.08W	1152 (1A)	300	RA36	1500
CATEGORY B	1.5 NM		450			458	8. TREE (K48YT0008)	485932.10N/0955853.08W	1152 (1A)	300	HAA	1540
CATEGORY C	1.7 NM		450									
CATEGORY D	2.3 NM		550									
CATEGORY E	4.5 NM		550									

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW15**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (CA-004752)	341/ 19.6	1670 (4D)	2700					4

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
PINECREEK, MN	ELEVATION: 1082 AIRPORT NAME: PINEY PINECREEK BORDER	RNAV	RNAV (GPS) RWY 15, ORIG	AGL

FAA Form 8260 - 9 / April 2006 (Computer Generated)

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
ZMP ARTCC	N W S	OTHER:	SOURCE: KROX / KRRT
	F A A	AWOS-3 / AWOS-3	DISTANCE: 14.17 / 25.29
SATISFACTORY ON:	A / C		HOURS REMOTE OPERATION: 24 / 24
X V H F X U H F H F	LOCATION:		ADJUSTMENT: 36 / 60

4. MONITOR STATUS	PRIMARY NAVAID:		
	MONITOR POINT: MOCC		
	HRS OPTN:	CAT 1	24
		CAT 3	

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 33 (PCL), 15 (PCL)
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC		
	ALL WEATHER		
	INSTRUMENT NPI-G 33, 15		
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: JILL OLSON (COLTON CROWDER)	DATE: 06/18/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

VDP NOT ESTABLISHED - ALTIMETER ADJUSTMENTS IN USE; OBSTACLES PENETRATE 20:1 SURFACE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TAA NOT USED PER FPT.

CANDIAN AIRSPACE LETTER ATTACHED.

LP NOT AUTHORIZED - 20 FT REDUCTION NOT GAINED.

RASS PRESSURE PATTERNS SAME
K48Y 1082, KROX 1060, K48Y, KRRT 1076
RA = 14.17; 25.29.
SEE ATTACHED AIRSPACE LETTER.

TERPS VOLUME 1 "VISUAL PORTION OF FINAL" PENETRATIONS.

(RWY 15) 20:1
1087 TREE (K48YT0148) 490013.28N/0955906.23W (4.45)
1086 TREE (K48YT0149) 490013.37N/0955906.07W (3.30)

FPT NOTIFIED OF UNLIT PENETRATIONS.

KROX AWOS-3 IS ON SERVICE A.
KRRT AWOS-3 IS ON SERVICE A.

QUALITY CHECKED 4

RADIO FIX AND HOLDING DATA RECORD

NAME: COLTU **STATE:** **COUNTRY:** CA

LATITUDE/LONGITUDE: 490830.57N/0960555.41W **TYPE:** WP, DME

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

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	ROSEAU	ROX	VOR/DME	L	312.37	317.37	23.49	23.49		3700	17500

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	326.74	146.74	R		4	3700	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (CA-004394)	491546.00N/0960805.00W	1590	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
EN ROUTE	V175	1				(CA)
IAP	RNAV (GPS) RWY 15		1	K48Y	PINECREEK	MN (US)
IAP	RNAV (GPS) RWY 33		1	K48Y	PINECREEK	MN (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (COLTON CROWDER)

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JIRMA **STATE:** **COUNTRY:** CA

LATITUDE/LONGITUDE: 490212.19N/0960046.19W **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 15			K48Y	PINECREEK	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (COLTON CROWDER)

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

SIGNATURE:

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

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RADIO FIX AND HOLDING DATA RECORD

NAME: OTBEE **STATE:** MN **COUNTRY:** US

LATITUDE/LONGITUDE: 485222.30N/0955247.04W **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	146.91	326.91	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-000307)	485109.53N/0954613.12W	1514	5D

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 15		1	K48Y	PINECREEK	MN (US)
IAP	RNAV (GPS) RWY 33		1	K48Y	PINECREEK	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/12/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (COLTON CROWDER)

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: RAROE **STATE:** **COUNTRY:** CA

LATITUDE/LONGITUDE: 490449.00N/0960254.15W **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 15			K48Y	PINECREEK	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 06/13/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (COLTON CROWDER)

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

SIGNATURE:

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

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **PINECREEK** STATE: **MN**

AIRPORT NAME: **PINEY PINECREEK BORDER** ID: **K48Y**

PROCEDURE: **RNAV (GPS) RWY 15** 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 **3.27**
   (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 **151.78**
4. High Terrain in **FINAL** segment containing 1000' point **1178**
5. Distance from **THLD** to 1500' point **5.07**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.95**
7. True Course of **FINAL** segment containing 1500' point **151.78**
8. High Terrain in **FINAL** segment containing 1500' point **1178**
9. Threshold Coordinates (if straight-in) ... **490010.65N** / **0955907.18W**
10. ARP Coordinates ..... **485956.31N** / **0955855.84W**
11. Runway Approach End and distance furthest from ARP ..... RWY **33**
    Distance **0.27** NM
12. FAF Coordinates ..... **490449.00N** / **0960254.15W**

REMARKS: Approach/Drawing attached.