

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> HCA/PAHC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> HOLY CROSS	<u>STATE</u> AK
<u>AIRPORT ELEVATION</u> 75	<u>TDZE</u> 74	<u>SUPERSEDED</u> RNAV (GPS) RWY 1	<u>DATED</u> 06/20/2019	<u>MAG VAR</u> 10E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 2025
				<u>CANCEL/SUSPEND</u>

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 291/30 CW 111/30	NOPT	291/11 CW 111/11		5600
2. 291/11 CW 111/11		TRUMN	IF/IAF	3400
3. 111/30 CW 201/30		111/10 CW 201/10		4100
4. 111/10 CW 201/10		UMIXE	IAF	3400
5. 201/30 CW 291/30		201/10 CW 291/10		5600
6. 201/10 CW 291/10		ERXOY	IAF	3400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ERXOY	IAF	TRUMN	NOPT	TF	FB	1.00	291.06	7.00	3400
UMIXE	IAF	TRUMN	NOPT	TF	FB	1.00	110.69	7.00	3400
TRUMN	IF/IAF	PIYSO		TF	FB	1.00	020.88	3.26	2700
PIYSO		YAXBY		TF	FB	1.00	020.92	2.64	2300
YAXBY	FAF	AVURE/2.66 NM TO RW02		TF	FB	0.30	020.97	4.21	
AVURE/2.66 NM TO RW02		RW02	MAP	TF	FO	0.30	020.97	2.66	
RW02	MAP	475 MSL		CA			020.97		
475 MSL		LOKPE		DF	FB	1.00			
LOKPE		TRUMN		TF	FO	1.00	241.41	9.54	3400



MISSED APPROACH

MAP:

LP: RW02
LNAV: RW02

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 3400 DIRECT LOKPE AND ON TRACK 241.41 TO TRUMN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3400.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)			
2.	HOLD S TRUMN, RT, 020.88 INBOUND, 3400 FT. IN LIEU OF PT (IAF), MAX 8000.								
3.	FAC:	020.97	FAF:	YAXBY	DIST FAF TO MAP:	6.87	DIST FAF TO THLD:	6.87	
4.	MIN ALT:	TRUMN 3400, PIYSO 2700, YAXBY 2300, AVURE/2.66 NM TO RW02 960							
5.	DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT:				
6.	MIN GP INCPT:	GP ALT AT FAF:			OM:		MM:		IM:
7.	GP ANGLE:	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:			
8.	MSA FROM:								

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 20 NA AT NIGHT.
CHART NOTE: CIRCLING NA W OF RWY 2-20.
CHART NOTE: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: VDP NA WHEN USING ANVIK ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANVIK ALTIMETER SETTING AND INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT B,C, AND D 1/2 SM, AND LP VISIBILITY CAT C AND D 3/8 SM, AND CIRCLING ALL VISIBILITIES 1/2 SM.

ADDITIONAL FLIGHT DATA:

YAXBY TO RW02 3.00/40.

CHART FAS OBST: 314 TREE (02-130825) 621126N/1594751W, 159 TREE (02-075697) 621003N/1594800W.
CHART VDP AT 1.40 NM TO RW02.
WAAS CHANNEL # 57947
REFERENCE PATH ID: W02A
LTP HAE: 32.1 M



MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT
ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LP MDA	560	1	486	560	1	486	560	1 3/8	486	560	1 3/8	486			
LNAV MDA	800	1	726	800	1	726	800	2	726	800	2	726			
CIRCLING	800	1	725	800	1	725	800	2	725	800	2 1/4	725			



CHANGES - REASONS

1. INCORPORATED P-NOTAM AMENDMENTS: ORIG-D/ NOTAM 8/7339; UPDATED ALL REFERENCES TO RWY 1/19 TO RWY 2/20 - 8260.19I 8-3-4 C. (3).
2. TAA: REPLACED "283/30 CW 013/30 TO 283/11 CW 013/11" AND "013/30 CW 103/30 TO 013/11 CW 103/11" WITH "291/30 CW 111/30 TO 291/11 CW 111/11" AND CHANGED ALTITUDE FROM 5600/4100 RESPECTIVELY TO 5600 - DUE TO MAGVAR CHANGE AND FPT.
3. TAA: CHANGED "283/11 CW 103/11 TO TRUMN" TO "291/11 CW 111/11 TO TRUMN" - DUE TO MAGVAR CHANGE AND FPT.
4. TAA: CHANGED "103/30 CW 193/30 TO 103/10 CW 193/10" TO "111/30 CW 201/30 TO 111/10 CW 201/10" AND INCREASED ALTITUDE FROM 4000 TO 4100 - DUE TO MAGVAR CHANGE AND FPT.
5. TAA: CHANGED "103/10 CW 193/10 TO PUTDU" TO "111/10 CW 201/10 TO UMIKE" - DUE TO MAGVAR CHANGE AND FPT.
6. TAA: CHANGED "193/30 CW 283/30 TO 193/10 CW 283/10" TO "201/30 CW 291/30 TO 201/10 CW 291/10" DUE TO MAGVAR CHANGE AND FPT.
7. TAA: CHANGED "193/10 CW 283/10 TO SURFU" TO "201/10 CW 291/10 TO ERXOY" - DUE TO MAGVAR CHANGE AND FPT.
8. TERMINAL ROUTES: REPLACED INITIAL LEG "PUTDU TO TRUMN" WITH "ERXOY TO TRUMN" AND CHANGED COURSE, DISTANCE AND ALTITUDE FROM "102.74, 5.00 AND 2700" TO "291.06, 7.00 AND 3400" - DUE TO MAGVAR CHANGE AND FPT.
9. TERMINAL ROUTES: REPLACED INITIAL LEG "SURFU TO TRUMN" WITH "UMIKE TO TRUMN" AND CHANGED COURSE, DISTANCE AND ALTITUDE FROM "283.00, 5.00 AND 2700" TO "110.69, 7.00 AND 3400" - DUE TO MAGVAR CHANGE AND FPT.
10. TERMINAL ROUTES: CHANGED INITIAL/INTERMEDIATE LEG "TRUMN TO PIYSO" COURSE AND DISTANCE FROM "012.87 AND 2.97" TO "020.88 AND 3.26" - PIYSO MOVED 1762 FEET NORTH; MAGVAR CHANGE.
11. TERMINAL ROUTES: CHANGED INTERMEDIATE STEPDOWN LEG "PIYSO TO YAXBY" COURSE AND DISTANCE FROM "012.87 AND 3.05" TO "020.92 AND 2.64" PIYSO MOVED 1762 FEET NORTH; MAGVAR CHANGE.
12. TERMINAL ROUTES: ADDED STEPDOWN FIX "AVURE/2.66 NM TO RW02"; REPLACED FINAL LEG "YAXBY TO KESKE" WITH FINAL STEPDOWN LEG "YAXBY TO AVURE/2.66 NM TO RW02"; CHANGED COURSE AND DISTANCE FROM "012.97 AND 6.50" TO "020.97 AND 4.21" - DUE TO MAGVAR CHANGE AND FPT.
13. TERMINAL ROUTES: ADDED NEW FINAL LEG "AVURE/2.66 NM TO RW02" TO "RWY02" CHANGED MAP FROM "KESKE" TO "RWY02"; COURSE FROM "012.97" TO "020.97"; ADDED DISTANCE "2.66" - DUE TO MAGVAR CHANGE AND FPT.
14. TERMINAL ROUTES: CHANGED CA LEG AND COURSE FROM "KESKE TO 475 MSL" COURSE "012.97" TO "RW02 TO 475 MSL" COURSE "020.97" - DUE TO MAGVAR CHANGE AND FPT.
15. TERMINAL ROUTES: CHANGED DF LEG "475 MSL TO TRUMN" TO "475 MSL TO LOKPE" POINT LOKPE ADDED - DUE TO FPT.
16. TERMINAL ROUTES: ADDED NEW TF LEG "LOKPE TO TRUMN" WITH COURSE, DISTANCE AND ALTITUDE OF "241.41", "9.54" AND "3400" - DUE TO MAGVAR CHANGE AND FPT.
17. MISSED APPROACH: MAP CHANGED FROM "LNAV: KESKE" TO "LP: RW02" AND "LNAV: RW02" - DUE TO FPT.
18. MISSED APPROACH: CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING LEFT TURN TO 2700 DIRECT TRUMN AND HOLD" TO "CLIMBING RIGHT TURN TO 3400 DIRECT LOKPE AND ON TRACK 241.41 TO TRUMN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3400" - ADDED FIX LOPKE AND NEW EVALUATION.
19. PROFILE LINE 2: UPDATED FROM "HOLD S TRUMN, RT, 012.87 INBOUND, 2700 FT, IN LIEU OF PT (IAF), MAX 14000" TO "HOLD S TRUMN, RT, 020.88 INBOUND, 3400 FT, IN LIEU OF PT (IAF), MAX 8000" - PER 8260.19J, PARA 8-6-7 B. (2.) AND FPT.
20. PROFILE LINE 3: UPDATED FAC FROM "012.97" TO "020.97"; DIST FAF TO MAP AND DIST FAF TO THLD FROM "6.50" AND "6.75" RESPECTIVELY TO "6.87" AND "6.87" RESPECTIVELY - DUE TO RELOCATED FIX PIYSO PER FPT.
21. PROFILE LINE 4: UPDATED MIN ALT FROM "TRUMN 2700, PIYSO 2700, YAXBY 2300" TO "TRUMN 3400, PIYSO 2700, YAXBY 2300, AVURE/2.66 NM RW02 960". FIX "AVURE/2.66 NM RW02" ADDED AS FINAL STEPDOWN FIX AND FIX PIYSO RELOCATED PER FPT.
22. PBN REQUIREMENTS NOTE: REPLACED "RNP APCH" WITH "RNP APCH - GPS" - PER 8260.19J, PARA 8-6-8 D.
23. NOTES: UPDATED "CHART NOTE: RWY 1, HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - DUE TO MAGVAR CHANGE AND INCORPORATED P-NOTAM.
24. NOTES: UPDATED "CHART NOTE: CIRCLING TO RWY 19 NA AT NIGHT" TO "CHART NOTE: CIRCLING TO RWY 20 NA AT NIGHT" - DUE TO MAGVAR CHANGE.
25. NOTES: UPDATED "CHART NOTE: CIRCLING NA WEST OF RWY 1-19" TO "CHART NOTE: CIRCLING NA W OF RWY 2-20" - DUE TO MAGVAR CHANGE.
26. NOTES: UPDATED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANVIK ALTIMETER SETTING AND INCREASE ALL MDAS 120 FEET, AND INCREASE VISIBILITY LNAV CAT A, B, D ¼ SM, CAT C ½ SM AND CIRCLING CAT B, D ¼ SM, CAT C ½ SM" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ANVIK ALTIMETER SETTING AND INCREASE ALL MDAS 120 FEET AND LNAV VISIBILITY CAT B,C, AND D 1/2 SM, AND LP VISIBILITY CAT C AND D 3/8 SM, AND CIRCLING ALL VISIBILITIES 1/2 SM." - NEW CALCULATION; LP APPROACH ADDED PER FPT.
27. NOTES: ADDED "CHART NOTE: VDP NA WHEN USING ANVIK ALTIMETER SETTING" - DUE TO NEW CALCULATION AND PER 8260.19J, PARA 8-6-10 E. (9.).
28. ADDITIONAL FLIGHT DATA: UPDATED "CHART FAS OBST: 528 TREES 621039N/1595016W" TO "CHART FAS OBST: 314 TREE (02-130825) 621126N/1594751W, 159 TREE (02-075697) 621003N/1594800W". NEW FAS OBSTACLES.
29. ADDITIONAL FLIGHT DATA: ADDED "CHART VDP AT 1.40 NM TO RW02" - PER 8260.19J, PARA 8-6-11 M.
30. ADDITIONAL FLIGHT DATA: ADDED "HOLD S, RT, 020.88 INBOUND" - PER 8260.19J, PARA 8-6-11 B.
31. ADDITIONAL FLIGHT DATA: ADDED "YAXBY TO RW02 3.00/40" - PER 8260.19, PARA 8-6-10 O. (1)
32. ADDITIONAL FLIGHT DATA: ADDED "WAAS CHANNEL # 60948" - PER 8260.19, PARA 8-6-10 J. (1)
33. ADDITIONAL FLIGHT DATA: ADDED "LTP HAE: 32.1 M" - PER 8260.19, PARA 8-6-10 J. (3).
35. MINIMUMS: ADDED LP MINIMUMS - PER FPT AND 8260.19J, PARA 8-6-12 I (3).
36. MINIMUMS: REDUCED LNAV MINIMUMS ALL CATS MDA/HAT FROM: 940/866 TO: 800/726; REDUCED VISIBILITY CAT B FROM: 1 1/4 SM TO: 1 SM, CAT C FROM: 2 1/2 SM TO: 2 SM, CAT D FROM: 2 3/4 SM TO: 2 SM - NEW EVALUATION AND CONTROLLING OBSTACLE; 8260.3E TABLE 3-3-1.
37. MINIMUMS: REDUCED CIRCLING MINIMUMS ALL CATS CMDA/HAA FROM: 940/865 TO: 800/725; REDUCED VISIBILITY CAT A & B FROM: 1 1/4 SM TO: 1 SM, CAT C FROM: 2 1/2 SM TO: 2 SM, CAT D FROM: 2 3/4 SM TO: 2 1/4 SM - NEW EVALUATION AND CONTROLLING OBSTACLE; 8260.3E TABLE 3-3-1.
38. FAS DATA ADDED - LP MINIMUMS ADDED TO PROCEDURE.
39. ADDITIONAL FLIGHT DATA: ADDED: REFERENCE PATH IDENTIFIER W02A - 8260.19J APPENDIX K 4(I).

5/14/2024: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 3/15/2024.

1. WAAS CHANNEL # CHANGED FROM 60948 TO 57947.



COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☐

OTHER: ZAN, AMGR, ENA FSS, ATA

FLIGHT CHECKED BY
JAMES DAVID ARNOLD

Digitally signed by
CASIMIR L TABAKA
May 28, 2024

OFFICE
FIOG

DATE
05/13/2024

DEVELOPED BY
ROBERT G HAMILTON (MICAH HILLEY)

Digitally signed by
CASIMIR L TABAKA
May 28, 2024

OFFICE
AJV-A433

DATE
03/15/2024

APPROVED BY
ROBERT G HAMILTON

Digitally signed by
CASIMIR L TABAKA
May 28, 2024

OFFICE
AJV-A433

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD
OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

DATA
0
0
PAHC
RW02
0
0
W02A
621101.0040N
1594651.5780W
+00321
621217.0760N
1594513.3665W
00040.0
F
03.00
106.75
1528
40.0
00.0

CRC REMAINDER

E4DFAF37

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

PA
+00223
+00223



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> HCA/PAHC	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>AMDT NO.</u> 1	<u>CITY</u> HOLY CROSS	<u>STATE</u> AK	<u>AIRPORT ELEVATION</u> 75	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 291/30 CW 111/30 **TO** 291/11 CW 111/11

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	614003.00N/1591033.00W	3547	215	8	4B	2000					5600
TERRAIN	614112.00N/1591148.00W	2962 (3000)								AS1500	4500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM 291/11 CW 111/11 **TO** TRUMN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	620106.00N/1601042.00W	1441	215	8	4B	1000				AT959	3400
TERRAIN	620106.00N/1601042.00W	1240 (1200)								AS1500	2700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



LEFT BASE AREA

FROM

111/30 CW 201/30

TO

111/10 CW 201/10

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	621618.00N/1611424.00W	2051	215	8	4B	2000					4100
TERRAIN	621918.00N/1603003.00W	1784 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

LEFT BASE AREA

FROM

111/10 CW 201/10

TO

UMIXE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	620106.00N/1601042.00W	1441	215	8	4B	1000				AT959	3400
TERRAIN	620154.00N/1600512.00W	882 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



RIGHT BASE AREA

FROM

201/30 CW 291/30

TO

201/10 CW 291/10

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	614045.00N/1590454.00W	3514	215	8	4B	2000					5600
TERRAIN	620509.00N/1585412.00W	2473 (2500)								AS1500	4000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM

201/10 CW 291/10

TO

ERXOY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	620018.00N/1600433.00W	1352	215	8	4B	1000				AT1048	3400
TERRAIN	620100.00N/1593206.00W	246 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM

ERXOY

TO

TRUMN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	7.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	620018.00N/1600433.00W	1352	215	8	4B	1000				AT1048	3400
TERRAIN	615945.00N/1600345.00W	820 (800)								AS1500	2300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

UMIXE

TO

TRUMN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	7.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	620106.00N/1601042.00W	1441	215	8	4B	1000				AT959	3400
TERRAIN	620106.00N/1601042.00W	1240 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

TRUMN (IF/IAF)

TO

PIYSO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	3.26										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	620018.00N/1600433.00W	1352	215	8	4B	500					1900
TERRAIN	620018.00N/1600439.00W	1151 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM

PIYSO

TO

YAXBY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
1.00	2.64										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	620315.00N/1600200.00W	676	215	8	4B	500				AT1168 SA-44	2300
TERRAIN	620327.00N/1595736.00W	72 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LP

FROM

YAXBY

TO

AVURE/2.66 NM TO RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30	4.21										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	620718.00N/1595209.00W	273	215	8	4B	250				RA120 XL44 DG273	960

COMPUTATIONS

ALTCIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LP STEPDOWN

FROM

AVURE/2.66 NM TO RW02

TO

RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
0.30	2.66		RW02			486					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (02-075697)	621002.76N/1594800.06W	159	20	3	1A	250				MA151	560

COMPUTATIONS

ALTCIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM

YAXBY

TO

AVURE/2.66 NM TO RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	4.21										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	620506.00N/1595439.00W	273	215	8	4B	250				RA120 XL44 DG273	960

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

AVURE/2.66 NM TO RW02

TO

RW02

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	2.66		RW02				726				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (02-130825)	621126.25N/1594750.65W	314	20	3	1A	250				SA-10 MA246	800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

TRUMN

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	620018.00N/1600439.00W	1352	215	8	4B	1000				AT1048	3400
TERRAIN	620018.00N/1600439.00W	1151 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LP

FROM

RW02

TO

TRUMN

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 460				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE (02-130302)	621145.64N/1594642.05W	501	20	3	1A		ASC			SA-40	3400
AAO	620036.00N/1600324.00W	1103	215	8	4B	1000					2200
TERRAIN	621203.00N/1594654.00W	561 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LNAV

FROM

RW02

TO

TRUMN

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u> 700				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (02-020032)	621203.93N/1594654.03W	689	20	3	1A		ASC				3400
AAO	620036.00N/1600324.00W	1103	215	8	4B	1000					2200
TERRAIN	621203.00N/1594654.00W	561 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE (02-130561)	620948.61N/1594621.97W	1.30	725	169	20	10	1B	300		SI	800
CATEGORY B											
TREE (02-130561)	620948.61N/1594621.97W	1.81	725	169	20	10	1B	300		SI	800
CATEGORY C											
TREE (02-130561)	620948.61N/1594621.97W	2.84	725	169	20	10	1B	300		SI	800
CATEGORY D											
AAO	621324.00N/1593942.00W	3.71	725	273	215	8	4B	300		SI	800

CIRCLING REMARKS:

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAN ARTCC, ENA FSS

WX SERVICE AWOS-3P	LOCATION HCA/PAHC	HRS OPERATION 24	ALTIMETER SOURCE HCA/PAHC	DISTANCE 0	SERVICE-A Y	ADJUSTMENTS 0
BACK-UP WX SERVICE AWOS-3P	LOCATION ANV/PANV	HRS OPERATION 24	ALTIMETER SOURCE ANV/PANV	DISTANCE 29.95	SERVICE-A Y	ADJUSTMENTS 101

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
PAHC 75, PANV 297
RA = 100.1.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE	
RW02 - MIRL (PCL)	BSC-G		
RW20 - MIRL (PCL)	BSC-G		

GLIDESLOPE ANGLE 3.00	ELEV RWY THRESHOLD 73.3	TCH 40.0	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 20
20:1	
136 TREE (02-130357) 621140.2900N/1594605.7600W (44.48)	111 TREE (02-130814) 621139.1400N/1594605.5600W (24.24)
100 TREE (02-131185) 621138.5700N/1594608.3900W (19.19)	110 TREE (02-241054) 621140.3900N/1594606.1900W (18.58)
99 TREE (02-241785) 621138.4800N/1594607.1100W (17.01)	98 TREE (02-130697) 621138.5900N/1594605.9400W (14.1)
96 TREE (02-130694) 621138.3000N/1594605.5300W (12.86)	89 TREE (02-131096) 621136.1700N/1594603.4000W (12.51)
104 TREE (02-130361) 621140.8800N/1594606.2400W (10.51)	83 TREE (02-131090) 621135.7500N/1594603.2700W (8.18)



AIRPORT ID HCA/PAHC		PROCEDURE NAME RNAV (GPS) RWY 2	AMDT NO. 1	CITY HOLY CROSS	STATE AK	AIRPORT ELEVATION 75	FACILITY RNAV
86 TREE (02-131183) 621137.9100N/1594606.6300W (5.9)				106 TREE (02-240305) 621139.5900N/1594555.8800W (5.42)			
137 TREE (02-130425) 621144.6900N/1594548.2400W (4.88)				92 TREE (02-130817) 621139.6900N/1594606.9500W (4.55)			
117 TREE (02-129387) 621144.5200N/1594602.9700W (3.67)				87 TREE (02-130698) 621138.0000N/1594603.8200W (3.06)			
130 TREE (02-130296) 621143.8600N/1594548.2800W (1.54)				96 TREE (02-130368) 621140.9600N/1594605.3900W (1.12)			
110 TREE (02-129380) 621141.1700N/1594554.3700W (0.7)				94 TREE (02-130360) 621138.4100N/1594557.4700W (0.5)			
FINAL TYPE	LP AND LNAV						
34:1							
139 TREE (02-057354) 621049.1800N/1594712.6800W (26.12)				140 TREE (02-057514) 621048.5900N/1594713.5600W (24.98)			
140 TREE (02-057518) 621047.8200N/1594712.2600W (23.95)				133 TREE (02-057335) 621050.5400N/1594713.3600W (23.11)			
140 TREE (02-057541) 621045.7000N/1594707.3900W (22.03)				137 TREE (02-057516) 621045.1900N/1594702.4700W (21.27)			
127 TREE (02-057497) 621051.3100N/1594711.1400W (20.68)				130 TREE (02-057340) 621049.2700N/1594710.4400W (18.97)			
138 TREE (02-248714) 621045.3700N/1594708.3200W (18.52)				114 TREE (02-058594) 621051.3900N/1594659.3500W (16.38)			
130 TREE (02-057357) 621045.8000N/1594702.4600W (15.84)				117 TREE (02-247664) 621050.4200N/1594701.3100W (15.49)			
136 TREE (02-058614) 621044.7500N/1594708.2000W (15.02)				137 TREE (02-058619) 621045.8400N/1594713.6600W (14.87)			
113 TREE (02-058595) 621051.1600N/1594659.3000W (14.83)				109 TREE (02-058585) 621051.7300N/1594657.1100W (13.87)			
137 TREE (02-057471) 621043.3200N/1594710.6100W (10.62)				144 TREE (02-057416) 621044.0100N/1594722.8000W (10.6)			
131 TREE (02-058618) 621044.4100N/1594707.8400W (9.41)				135 TREE (02-057470) 621043.1500N/1594709.7700W (8.79)			
143 TREE (02-057429) 621043.7700N/1594723.6200W (8.4)				114 TREE (02-057495) 621050.9700N/1594708.9700W (8.38)			
143 TREE (02-057430) 621043.9000N/1594724.3900W (8.17)				141 TREE (02-057415) 621041.2300N/1594712.4900W (7.92)			
104 TREE (02-058591) 621051.6600N/1594658.5500W (7.65)				144 TREE (02-241080) 621042.8400N/1594722.7700W (7.63)			
137 TREE (02-057487) 621041.9600N/1594710.9900W (6.87)				141 TREE (02-057419) 621040.7800N/1594712.6200W (6.67)			
130 TREE (02-058646) 621046.0100N/1594716.6200W (6.17)				138 TREE (02-241076) 621042.9200N/1594716.9100W (6.06)			
143 TREE (02-057382) 621042.9900N/1594724.3100W (5.9)				122 TREE (02-057521) 621046.0300N/1594706.4500W (5.55)			
142 TREE (02-057380) 621043.2700N/1594724.4800W (5.5)				125 TREE (02-057545) 621045.1700N/1594707.7600W (5.41)			
121 TREE (02-057515) 621046.3700N/1594706.5200W (5.37)				135 TREE (02-057484) 621045.4400N/1594722.8400W (5.23)			
107 TREE (02-058470) 621052.1800N/1594707.9300W (5.22)				108 TREE (02-058476) 621051.1300N/1594706.4700W (4.59)			
144 TREE (02-057387) 621039.4500N/1594715.1800W (4.43)				109 TREE (02-058481) 621051.2400N/1594709.1300W (3.95)			
96 TREE (02-058581) 621052.6200N/1594657.3700W (2.96)				102 TREE (02-058457) 621053.2400N/1594708.0900W (2.82)			
84 TREE (02-246620) 621056.5000N/1594655.1500W (2.48)				82 TREE (02-058432) 621058.0500N/1594657.9700W (2.42)			
141 TREE (02-057384) 621039.4600N/1594714.2400W (2.13)				84 TREE (02-058668) 621056.0900N/1594654.1900W (2.13)			
133 TREE (02-057491) 621043.9400N/1594719.0700W (2.11)				141 TREE (02-241083) 621041.4000N/1594721.2200W (2.06)			
115 TREE (02-057355) 621046.1000N/1594702.3400W (1.69)				84 TREE (02-058669) 621056.8900N/1594657.7400W (1.62)			
137 TREE (02-057433) 621040.2800N/1594712.6800W (1.35)				116 TREE (02-057512) 621049.0500N/1594714.7200W (1.32)			
145 TREE (02-241086) 621040.8900N/1594726.0600W (1.27)				132 TREE (02-057502) 621045.2300N/1594723.6800W (1.09)			
84 TREE (02-058670) 621056.9200N/1594658.6500W (1.04)				102 TREE (02-058468) 621052.7200N/1594708.8800W (0.92)			

QUALITY
21
CHECKED



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
HCA/PAHC	RNAV (GPS) RWY 2	1	HOLY CROSS	AK	75	RNAV
101 TREE (02-058460) 621052.6200N/1594707.4800W (0.67)			136 TREE (02-057432) 621042.1300N/1594718.9000W (0.6)			
109 TREE (02-248197) 621047.7000N/1594701.6600W (0.28)			89 TREE (02-058686) 621053.8200N/1594655.8400W (0.13)			
PENETRATIONS REMARKS:						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
VEGETATION HEIGHT: 60 FEET.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.87
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	030.97
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	THLD	TO 1500FT POINT	5.47
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	030.97
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	100

THRESHOLD COORDINATES (IF STR-IN)	621101.00N/1594651.58W
ARP COORDINATES	621117.90N/1594629.80W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 2 DISTANCE 0.33 NM
FAF COORDINATES	620508.99N/1595423.93W
FIX NAME COORDINATES	

REMARKS

IF/IAF TRUMN 620006.01N 1600050.44W 30 NM RADIUS
IAF UMIXE 620340.32N 1601336.44W 30 NM RADIUS
IAF ERXOY 615630.52N 1594807.43W 30 NM RADIUS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ROBERT G HAMILTON (MICAH HILLEY)	AJV-A433	03/15/2024	AERONAUTICAL INFORMATION SPECIALIST



AIRPORT ID
HCA/PAHC

PROCEDURE NAME
RNAV (GPS) RWY 2

AMDT NO.
1

CITY
HOLY CROSS

STATE
AK

AIRPORT ELEVATION
75

FACILITY
RNAV

