

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> HWV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 2D	<u>CITY</u> SHIRLEY	<u>STATE</u> NY
<u>AIRPORT ELEVATION</u> 81	<u>TDZE</u> 77	<u>SUPERSEDED</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 05/21/2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 DECEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 14W
				<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 329/30 CW 149/30	NOPT	PIRCE	IF/IAF	2000
2. 149/30 CW 239/30		149/25 CW 239/25		2200
3. 149/25 CW 239/25		MCCAB	IAF	2000
4. 239/30 CW 329/30		DUDDA	IAF	2000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MCCAB	IAF	PIRCE	NOPT	TF	FB	1.00	148.83	5.60	2000
DUDDA	IAF	PIRCE	NOPT	TF	FB	1.00	328.95	5.60	2000
PIRCE	IF/IAF	TYCHO		TF	FB	1.00	058.89	6.04	1700
TYCHO	FAF	EPARE/2.10 NM TO RW06		TF	FB	0.30	058.93	2.86	
EPARE/2.10 NM TO RW06		RW06	MAP	TF	FO	0.30	058.93	2.10	
RW06	MAP	600 MSL		CA			058.93		600
600 MSL		ISQAC		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2000 DIRECT ISQAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD SW PIRCE, RT, 058.89 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	058.93	FAF:	TYCHO	DIST FAF TO MAP:	4.96	DIST FAF TO THLD:	4.96							
4.	MIN ALT:	PIRCE 2000, TYCHO 1700, EPARE/2.10 NM TO RW06 780													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		250 HAT:	0.65	GS ANT:				
6.	MIN GP INCPT:	1700	GP ALT AT PFAF:	TYCHO 1700					OM:		MM:			IM:	
7.	GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	51.0							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ISP ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ISP ALTIMETER SETTING AND INCREASE LPV DA TO 368 FEET; INCREASE LNAV/VNAV DA TO 355 FEET; INCREASE ALL MDAS 40 FEET.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 7/8 SM, INCREASE LNAV ALL CATS VISIBILITY TO 1 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING ISP ALTIMETER SETTING, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM, INCREASE LNAV ALL CATS VISIBILITY TO 1 SM.
CHART NOTE: CIRCLING RWY 6,15 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

HOLD S, LT, 350.00 INBOUND.
CHART FAS OBST: 165 TREE (36-032401) 404914N/0725254W.
CHART VDP AT 0.95 NM TO RW06.
WAAS CHANNEL # 57925
REFERENCE PATH ID: W06A
CHART CIRCLING ICON.
LTP HAE: -10 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
LPV DA	340	3/4	263	340	3/4	263		NA			NA				
LNAV/VNAV DA	327	3/4	250	327	3/4	250		NA			NA				
LNAV MDA	420	3/4	343	420	3/4	343		NA			NA				
CIRCLING	560	1	479	560	1	479		NA			NA				



CHANGES - REASONS

1. TDZE CHANGED FROM 76 TO 77 - UPDATED AIRNAV DATA.
2. LPV DA CHANGED FROM 339 TO 340; LNAV/VNAV DA CHANGED FROM 326 TO 327; LNAV HAT CHANGED FROM 344 TO 343 - UPDATED TDZE.
3. PROFILE LINE 2: ADDED "MAX 6000" - 8260.19J 8-6-7.
4. PROFILE LINE 4: REMOVED ASTERISK FROM "EPARE/2.10 NM TO RW06 780" - NO LONGER REQUIRED BY CRITERIA.
5. PROFILE LINE 5: ADDED "250 HAT: 0.65" - 8260.19J 8-6-7.
6. PROFILE LINE 7: ADDED "20:1: IS CLEAR" -8260.19J 8-6-7; NO 20:1 PENETRATIONS EXIST.
7. REMOVED CHART NOTE: "DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE "RNP APCH - GPS" - 8260.19J 8-6-8.
8. ADDED CHART NOTE: "CIRCLING RWY 6, 15 NA AT NIGHT" - UNLIT 20:1 PENETRATIONS EXIST FOR RWY 15 AND ON THE VOR RWY 6 STRAIGHT IN APPROACH; 8260.19J 8-6-12.O; 8260.3E 3-3-2.C(4)(B)2.
9. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" - FAHRENHEIT REMOVED IAW 8260.19J.
10. CHANGED CHART NOTE FROM "BARO-VNAV AND VDP NA WITH ISLIP ALTIMETER SETTING" TO "BARO-VNAV AND VDP NA WHEN USING ISP ALTIMETER SETTING" - 8260.19J 8-6-10.
11. UPDATED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ISLIP ALTIMETER SETTING AND INCREASE ALL DA 28 FEET AND ALL MDA 40 FEET" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ISP ALTIMETER SETTING AND INCREASE LPV DA TO 368 FEET; INCREASE LNAV/VNAV DA TO 355 FEET; INCREASE ALL MDAS 40 FEET" - 8260.19J 8-6-10.
12. CHANGED CHART NOTE FROM "FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 7/8 MILE, INCREASE LNAV ALL CATS VISIBILITY TO 1 MILE" TO "FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 7/8 SM, INCREASE LNAV ALL CATS VISIBILITY TO 1 SM" - UPDATING TO CURRENT CRITERIA FORMAT.
13. CHANGED CHART NOTE FROM "FOR INOPERATIVE MALSR WHEN USING ISLIP ALTIMETER SETTING, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY TO 7/8 MILE, INCREASE LNAV ALL CATS VISIBILITY TO 1 MILE" TO "FOR INOPERATIVE ALS WHEN USING ISP ALTIMETER SETTING, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY TO 7/8 SM, INCREASE LNAV ALL CATS VISIBILITY TO 1 SM" - UPDATING TO CURRENT CRITERIA FORMAT.
14. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "160 TREE (KHWVT0917) 404931N/0725301W" TO "CHART FAS OBST: 165 TREE (36-032401) 404914N/0725254W" - 8260.19J 8-6-11.C.
15. CRC REMAINDER CHANGED FROM "4FAC1FC7" TO "EB5EEF23" - LTP LAT/LONG CHANGED FROM "404917.7700N/0725222.5020W" TO "404917.7695N/0725222.5010W"; FPAP LAT/LONG CHANGED FROM "405020.8300N/0725059.5200W" TO 405020.8100N/0725059.5010W".

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZBW, NY TRACON, AMGR

FLIGHT CHECKED BY

DANIEL KIRBY

Digitally signed by

DAVID DANNER

Oct 30, 2024

OFFICE

AJF

DATE

10/25/2024

DEVELOPED BY

TIMOTHY JOHNSON

Digitally signed by

Timothy Johnson

Jul 19, 2024

OFFICE

AJV-A421

DATE

06/27/2024

APPROVED BY

DAVID DANNER

Digitally signed by

DAVID DANNER

Oct 30, 2024

OFFICE

AJV-A421

DATE

10/31/2024

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHWV
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	404917.7695N
LTP/FTP LONGITUDE	0725222.5010W
LTP/FTP ELLIPSOIDAL HEIGHT	-00100
FPAP LATITUDE	405020.8100N
FPAP LONGITUDE	0725059.5010W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	EB5EEF23

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00213
FPAP ORTHOMETRIC HEIGHT	+00213

