

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		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										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: I-BRW 1.11 DME						
BRW VOR/DME		WANJO/I-BRW 6.04 DME		258.75 / 5.08				2000		CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2000 DIRECT BRW VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000.  ALTERNATE MA (DO NOT CHART): CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2000 DIRECT VIR NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000.  ADDITIONAL FLIGHT DATA: HOLD E, RT, 259.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E VIR NDB, RT, 259.00 INBOUND. CHART FAS OBST: 78 VENT 711657N/1564747W CHART VDP AT 1.86 DME* DISTANCE VDP TO THLD 0.75 NM. *LOC ONLY. CHART IN PLANVIEW: VIR NDB. CHART CIRCLING ICON. CHART IN PLANVIEW: (CFBGZ) AT 711703.73N/1572131.32W CHART PLANVIEW NOTE: DME REQUIRED.						
VIR NDB		WANJO/I-BRW 6.04 DME		252.68 / 5.17				2000								
1. PT <u>L</u> SIDE OF COURSE <u>250.95</u> OUTBOUND <u>1700</u> FT WITHIN <u>10</u> MILES OF <u>WANJO</u> (IAF)										MAG VAR: 19E EPOCH YEAR: 2010						
2. _____																
3. FAC: <u>070.95</u> FAF: <u>WANJO/I-BRW 6.04 DME</u> DIST FAF TO MAP: _____ THLD: <u>4.93</u>																
4. MIN. ALT: <u>WANJO/I-BRW 6.04 DME 1700</u>																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: <u>1097</u>																
6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>WANJO 1700</u> OM: _____ MM: _____ IM: _____																
7. GS ANGLE: <u>3.00</u> TCH: <u>56.5</u>																
8. MSA FROM: <u>BRW VOR/DME 1500</u>																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		ILS: STANDARD #		LOC: 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
S-ILS 07 #		249	2600	200	249	2600	200	249	2600	200	249	2600	200			
S-LOC 07		340	4000	291	340	4000	291	340	4000	291	340	4000	291			
CIRCLING		440	1	391	520	1	471	520	1 1/2	471	680	2	631			
NOTES: CHART NOTE: CIRCLING NA FOR CAT A NORTH OF RWY 7-25. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 290. CHART NOTE: DME REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)																
CITY AND STATE BARROW, AK		ELEVATION: 49 TDZE: 49 AIRPORT NAME: WILEY POST-WILL ROGERS MEMORIAL		FACILITY IDENTIFIER: I-BRW		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 7, AMDT 1						SUP: ILS OR LOC/DME RWY 7 AMDT: <u>CHRONIC-A</u> DATED 02/09/2012				

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES <div>SEE CHANGES</div>		REQUIRED EFFECTIVE DATE <div>ROUTINE</div>	
COORDINATED WITH: <div><div>ATA<div><input checked="" type="checkbox"/></div></div><div>AAT<div><input type="checkbox"/></div></div><div>ALPA<div><input checked="" type="checkbox"/></div></div><div>APA<div><input type="checkbox"/></div></div><div>AOPA<div><input checked="" type="checkbox"/></div></div><div>NBAA<div><input checked="" type="checkbox"/></div></div><div>OTHER (specify)<div><input checked="" type="checkbox"/> ZAN, ST OF AK DOTPF</div></div></div>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME: <div>JACOB A. POWERS (IVAN BLANCO)</div>				FIFO AJV-5432	DATE: 12/21/2016
APPROVED BY					
NAME: <div>PATRICK MULQUEEN</div> <div>MANAGER</div>				FIFO AJV-5430	DATE:
CHANGES: <div>1. ADDED PRIMARY AND ALTERNATE MISSED APPROACH HOLDING PATTERNS. 2. CIRCLING CAT A MDA/HAA CHANGED FROM 420/368 TO 440/391, CAT D MDA/HAA FROM 620/568 TO 680/631. 3. MSA CHANGED FROM 1400 TO 1500. 4. MINIMA UPDATED TO REFLECT CHANGE OF APT ELEV AND TDZE FROM 52 FT TO 49 FT AND 48 FT TO 46 FT. 5. REMOVED "DME" FROM PROCEDURE NAME AND ADDED NOTES: "CHART NOTE: DME REQUIRED." TO NOTES BLOCK AND "CHART PLANVIEW NOTE: DME REQUIRED." TO ADDITIONAL FLIGHT DATA BLOCK. 6. RAISED S-LOC CAT C/D RVR FROM 4500 TO 5000 FOR INOPERATIVE MALSR. 7. MOVED BACK-UP ALTIMETER NOTES TO REMARKS SECTION OF 8260-9. 8. REMOVED INOPERATIVE MALSR NOTES AND ADDED NOTE "FOR INOPERATIVE ALS, INCREASE CAT C/D VISIBILITY TO RVR 4500." 9. REMOVED "OR AP" FROM CHART NOTE: #RVR 1800 AUTHORIZED WITH USE OF HUD OR AP TO DA. DME: 711710.15N / 1564407.52W, LOC: 711705.56N / 1564410.91W, GS: 711701.41N / 1564703.59W, THIRD PARTY</div>					
REASONS: <div>1. ORIG PROCEDURE DID NOT HAVE HOLDING PATTERNS, ATC REQUESTED ADDITION OF HOLDING PATTERNS.. 2. NEW CONTROLLING OBSTACLES AND TDZE CHANGED FROM 52 TO 49. 3. NEW CONTROLLING OBSTACLE. 4. NEW 3RD PARTY ARPT AND RWY SURVEY PER NFDD 144-3 07/28/14. 5. TO COMPLY WITH CURRENT NAMING CONVENTION AND CRITERIA. 6. VISI CHECK EVALUATION RESULT. 7. NEW CRITERIA DUE TO WEATHER SOURCES BEING ON WMSCR NETWORK. 8. NEW VISIBILITY EVALUATION SUPPORTS NEW INOP TABLE CRITERIA. 9. CONTRADICTS NOTE, "AUTOPILOT COUPLED APPROACH NA BELOW 290."</div> <div>PDF EDITS: 1. ADDED # IN FRONT OF S-ILS 7 DA. 2. EDITED CAT B/C CIRCLING ADJUSTMENTS FROM HA40 TO HAA. 3. ADDED BACK-UP WEATHER SYSTEM TYPE.</div>					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
**ILS - STANDARD**  
**INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29**

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**NOTES, (CONT.):**

**CHART NOTE: FOR INOPERATIVE ALS, INCREASE CAT C/D VISIBILITY TO RVR 4500.**

**CHART NOTE: #RVR 1800 AUTHORIZED WITH USE OF HUD TO DA.**

CITY AND STATE

**BARROW, AK**

**ELEVATION: 49**

**TDZE: 49**

AIRPORT NAME:

**WILEY POST-WILL ROGERS MEMORIAL**

FACILITY  
IDENTIFIER:

**I-BRW**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

**ILS OR LOC RWY 7, AMDT 1**

SUP: **ILS OR LOC/DME**  
**4 RWY 7**

AMDT: **ORIG-A**

DATED: **02/09/2012**

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: ATA                      AAT                      ALPA                      APA                      AOPA                      NBAA                      OTHER (specify) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _____					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	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	BRW VOR/DME	WANJO/I-BRW 6.04	1. AAO	711250.64N/1565120.99W	274 (4D)	1000	AT726	2000
		DME	2. TERRAIN	711250.64N/1565120.99W	74 (100)		AS1500	1600
FEEDER	VIR NDB	WANJO/I-BRW 6.04	1. AAO	711250.64N/1565120.99W	274 (4D)	1000	AT726	2000
		DME	2. TERRAIN	711250.64N/1565120.99W	74 (100)		AS1500	1600
INTERMEDIATE: PT	10 NM	WANJO/I-BRW 6.04	3. BARGE/ICEBERG	711621.00N/1571128.72W	50 (4D)	1000	AT650	1700
		DME	4. OVERWATER	711621.00N/1571128.72W	0 (0)		AS1500	1500
FINAL: ILS	WANJO/I-BRW 6.04	RW07				ASC		249/200
	DME							
FINAL: LOC	WANJO/I-BRW 6.04	I-BRW 1.11 DME	5. VENT (PBRWT000568)	711657.00N/1564747.49W	78 (2C)	250		340
	DME							
2. PROCEDURE TURN	WANJO	10 NM	1. AAO	711250.64N/1565120.99W	274 (4D)	1000	AT426	1700
			4. OVERWATER	711621.00N/1571128.72W	0 (0)		AS1500	1500
3. MISSED APPROACH	MAP: DA / I-BRW 1.11	BRW VOR/DME				ASC		2000
	DME		6. TOWER (02-000372)	711523.23N/1563146.69W	431 (2C)	1000		1500
	ELEV: 83/90		2. TERRAIN	711250.64N/1565120.99W	74 (100)		AS1500	1600
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.						
CATEGORY A	1.3 NM	REQUIRED 350	ACTUAL 391	7. BLDG (02-000659)	711732.06N/1564711.44W	137 (1A)	300	440
CATEGORY B	1.5 NM	450	471	8. TOWER (02-021570)	711837.21N/1564232.12W	167 (2C)	300	HAA 520
CATEGORY C	1.7 NM	450	471	8. TOWER (02-021570)	711837.21N/1564232.12W	167 (2C)	300	HAA 520
CATEGORY D	2.3 NM	550	631	9. AAO	711330.00N/1564648.00W	266 (4E)	300	AC98 680
CATEGORY E	4.5 NM	550						
5. MINIMUM SAFE ALTITUDES	PRIMARY NAVAID: BRW VOR/DME							
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)
360-360	TOWER 02-0327	076/05.1	425 (4D)	1500				
CITY AND STATE	ELEVATION: 49	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION				
BARROW, AK	AIRPORT NAME: WILEY POST-WILL ROGERS MEMORIAL	I-BRW	ILS OR LOC RWY 7, AMDT 1	AAL				

PART B - SUPPLEMENTAL DATA										PART C - REMARKS:  THRESHOLD DISPLACED 600 FT.  PRECIPITOUS TERRAIN EVALUATION COMPLETED.  VGSI 3.00/50.5 FT  ALTERNATE MISSED APPROACH CLEARANCE LIMIT IS VIR NDB.  TDZE, APT ELEV UPDATED BY NEW 3RD PARTY ARPT AND RWY SURVEY (NFDD 144-3) 07/28/14. NO ARPT OR RWY CONTRUCTION WAS CONDUCTED.  ON WMSCR: PABR/PATQ: YES/YES.  ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.70NM  NO ADDITIONAL AIRSPACE REQUIRED. RASS PRESSURE PATTERNS SAME PABR 48.90, PATQ 101.30 RA = 125.00.  TREES ASSUMED TO BE 15' AND ICEBERGS/BARGES ASSUMED TO BE 50' PER FPT.  CIRCLING NA FOR CAT A NORTH OF RWY 7/25 FOR OVERFLIGHT OF VILLAGE  VISIBILITY MINIMUMS CALCULATED FROM FAAO 8260.3B, CHG 21. THIS ALLOWS LIGHT CREDIT FOR 1840' MALSR DOWN TO RVR 2600. A WAIVER WAS PROCESSED TO ALLOW THE 1840' MALSR SYSTEM TO ALLOW RVR 1800 OPERATIONS.  WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATQASUK ALTIMETER SETTING: INCREASE DA TO 376 FT AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDA 140 FEET AND S-LOC 7 CATS C AND D VISIBILITY 3/8 SM, CIRCLING CATS C AND D VISIBILITY 1/4 SM.  FOR INOPERATIVE MALSR WHEN USING ATQASUK ALTIMETER SETTING, INCREASE S-ILS 7 ALL CATS VISIBILITY TO RVR 5000, S-LOC 7 CATS A AND B VISIBILITY TO RVR 5500 AND CATS C AND D VISIBILITY TO RVR 6000.  RVR 1800 NA WHEN USING ATQASUK ALTIMETER SETTING.  VDP NA WHEN USING ATQASIK ALTIMETER SETTING.  MISSED APPROACH OBSTACLES CONT. ALTERNATE: ASC 2000 6. TWR (02-000372) 711523.00N/1563148.00W 392 (2C) 1000 1400 2. TERRAIN 711250.64N/1565120.99W 74 (100) AS1500 1600			
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING							
BRW FSS ZAN ARTCC				N W S	OTHER: ASOS / AWOS-3P		SOURCE: PABR / PATQ						
				F A A			DISTANCE: 0 / 50.82						
				A / C			HOURS REMOTE OPERATION:  0 / 24						
SATISFACTORY ON:			X	V H F	X	U H F		H F	LOCATION: PABR		ADJUSTMENT: 0 / 125		
4. MONITOR STATUS	PRIMARY NAVAID: I-BRW		MONITOR POINT: POCC		HRS OPTN:	CAT 1	24						
						CAT 3							
5. APPROACH & RUNWAY LIGHTING		ALS											
		(S) SALS											
	X	MALSR 07 (PCL)											
	X	HIRL 07 (PCL), 25 (PCL)											
		MIRL											
	X	REIL 25 (PCL)											
		TDZ											
		C/LINE											
	X	OTHER (SPECIFY) PAPI-4R 07 PAPI-4L 25											
6. RUNWAY MARKINGS		BASIC											
		ALL WEATHER PIR-G 07, 25											
		INSTRUMENT											
7. RUNWAY VISUAL RANGE		APPROACH 07											
		MIDFIELD											
		ROLL OUT 25											
8. GLIDE PATH		GP ANGLE: 3.00					ELEV RWY THRESHOLD: 48.7						
		DISTANCE FROM RWY: 1097					ELEV GP ANTENNA: 44.3						
							THRESHOLD CROSSING HEIGHT: 56.5						
9. FINAL APPROACH COURSE AIMING			X	RUNWAY THRESHOLD FT. FROM THRESHOLD									
			X	ON CENTERLINE FT. FROM CENTERLINE									
10. WAIVERS: 2 ORDER 8260.3B TABLE 3-5A FAA ORDER 8400.13D, CAT I 1800 RVR APPROACH OPERATIONS. EXISTING MAL S SYSTEM TO BE MODIFIED TO INCLUDE ADDITIONAL RAILS TO 1840'. FULL MALSR NORMALLY REQUIRED FOR RVR 1800 ON THE ILS. ORDER 8260.3B, VOLUME 3, PARAGRAPH 1.1: WAIVER FOR THE PARALLEL TAXIWAY THAT DOES NOT EXTEND THE FULL LENGTH OF THE RUNWAY, NECESSARY TO GET RVR LESS THAN 5000.													
PART D - PREPARED BY: JACOB A. POWERS (IVAN BLANCO)								DATE: 12/21/2016					
TITLE: AERONAUTICAL INFORMATION SPECIALIST								OFFICE: AJV-5432					

QUALITY  
4  
CHECKED