

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.															
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION																			
TERMINAL ROUTES																MISSED APPROACH			
FROM	TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW13  CLIMB TO 3000 DIRECT ILUZY AND HOLD.  ADDITIONAL FLIGHT DATA: HOLD SE, RT, 308.46 INBOUND. CHART FAS OBST: 1449 TREE 463731N/0953902W DISTANCE TO THLD FROM 295 HATH: 0.79 NM. WAAS CHANNEL # 62933 REFERENCE PATH ID: W13A CHART CIRCLING ICON LTP HAE: 392.8 M									
KITPE (IAF)	HIBIR (NOPT) (FB)			218.21 / 6.50				3200											
LAYEB (IAF)	HIBIR (NOPT) (FB)			038.07 / 6.50				3200											
HIBIR (IF/IAF)	GEZTO (FB)			128.14 / 6.52				3100											
GEZTO (FAF)	ETAHE/2.50 NM TO RW13 (FB)			128.23 / 2.77															
ETAHE/2.50 NM TO RW13	RW13 (MAP) (FO)			128.23 / 2.50															
RW13 (MAP)	1671 MSL			128.23															
1671 MSL	ILUZY (FO)							3000											
1. PT <u>      </u> SIDE OF COURSE <u>      </u> OUTBOUND <u>      </u> FT WITHIN <u>      </u> MILES OF <u>      </u> (IAF) 2. HOLD NW HIBIR, RT, 128.14 INBOUND, 3200 FT. IN LIEU OF PT (IAF) 3. FAC: <u>128.23</u> FAF: <u>GEZTO</u> DIST FAF TO MAP: <u>5.27</u> THLD: <u>5.27</u> 4. MIN. ALT: HIBIR 3200, GEZTO 3100, ETAHE/2.50 NM TO RW13 2200* 5. DIST TO THLD FROM OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 150 HAT: <u>      </u> 100 HAT: <u>      </u> GS ANT: <u>      </u> 6. MIN GS INCPT: <u>3100</u> GS ALT AT: <u>GEZTO 3100</u> OM: <u>      </u> MM: <u>      </u> IM: <u>      </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>45.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>      </u>										MAG VAR: 2E EPOCH YEAR: 2015									
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				
LPV DA	1671	1	295	1671	1	295		NA			NA								
LNAV/VNAV DA	1671	1	295	1671	1	295		NA			NA								
LNAV MDA	1760	1	384	1760	1	384		NA			NA								
CIRCLING	2120	1	744	2120	1	744		NA			NA								
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: USE DETROIT LAKES ALTIMETER SETTING; WHEN NOT RECEIVED, USE WADENA ALTIMETER SETTING. *LNAV ONLY																			
CITY AND STATE PERHAM, MN		ELEVATION: 1376 THRE: 1376 AIRPORT NAME: PERHAM MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 22 AUGUST 2013						SUP: AMDT: NONE DATED							

QUALITY  
CHECKED

## US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## RNAV - STANDARD

## INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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## TAA

	FROM	TO	ALT
1.	038/30 CW 218/30 (NOPT)	038/10 CW 218/10	3600
	038/10 CW 218/10	HIBIR (IF/IAF) (FB)	3200
2.	218/30 CW 308/30	KITPE (IAF) (FB)	3400
3.	308/30 CW 038/30	LAYEB (IAF) (FB)	3200

QUALITY  
3  
CHECKED

CITY AND STATE

PERHAM, MN

ELEVATION: 1376

THRE: 1376

AIRPORT NAME:

PERHAM MUNI

FACILITY  
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

22 AUGUST 2013

SUP:

AMDT:

NONE

DATED:

RNAV STANDARD INSTRUMENT APPROACH PROCEDURE  
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0  
SBAS SERVICE PROVIDER IDENTIFIER 0  
AIRPORT IDENTIFIER 16D  
RUNWAY RW13  
APPROACH PERFORMANCE DESIGNATOR 0  
ROUTE INDICATOR  
REFERENCE PATH DATA SELECTOR 0  
REFERENCE PATH IDENTIFIER (APPROACH ID) W13A  
LTP/FTP LATITUDE 463652.8420N  
LTP/FTP LONGITUDE 0953644.3920W  
LTP/FTP ELLIPSOIDAL HEIGHT +03928  
FPAP LATITUDE 463555.0200N  
FPAP LONGITUDE 0953505.8400W  
THRESHOLD CROSSING HEIGHT (TCH) 00045.0  
TCH UNITS SELECTOR (METERS OR FEET USED) F  
GLIDEPATH ANGLE (GPA) 03.00  
COURSE WIDTH AT THRESHOLD 106.75  
LENGTH OFFSET 1496  
HORIZONTAL ALERT LIMIT (HAL) 40.0  
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

E9222948

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3  
LTP ORTHOMETRIC HEIGHT +04194  
FPAP ORTHOMETRIC HEIGHT +04194

QUALITY  
3  
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CITY AND STATE

PERHAM, MN

ELEVATION: 1376

THRE: 1376

AIRPORT NAME:

PERHAM MUNI

FACILITY  
IDENTIFIER:  
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

22 AUGUST 2013

SUP:

AMDT: NONE

DATED:

## FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible][illegible][illegible]

CITY AND STATE <b>PERHAM, MN</b>	ELEVATION: <b>1376</b>	THRE: <b>1376</b>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			<b>RNAV (GPS) RWY 13, ORIG</b>	AMDT: <b>NONE</b>
	<b>PERHAM MUNI</b>		<b>RNAV</b>	22 AUGUST 2013	DATED:

FAA FORM 8260 - 10 / April 2006 (Computer Generated)

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**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
	HIBIR	HIBIR	010	IAF	HF	R	FO		128.1 (130.1T)	004.0	AA 03200	
	KITPE	KITPE	010	IAF	IF		FB					
	KITPE	HIBIR	020		TF		FB	1.0	218.2 (220.2T)	006.5	AA 03200	
	LAYEB	LAYEB	010	IAF	IF		FB					
	LAYEB	HIBIR	020		TF		FB	1.0	038.1 (040.1T)	006.5	AA 03200	
		HIBIR	010	FACF	IF		FB				AA 03200	
		GEZTO	020	FAF	TF		FB	0.5	128.1 (130.1T)	006.5	AA 03100	
		ETAHE	021	SDF	TF		FB	0.3	128.2 (130.2T)	002.8	AA 02200 GS 02212	
		RW13	030	MAP	TF		FO	0.3	128.2 (130.2T)	002.5	AT 01421	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		128.2 (130.2T)		AA 01671	
	ILUZY	050		DF		FO				AA 03000	
	ILUZY	060		HM	R	FO		308.5 (310.5T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ETAHE	N463829.59	W0953930.42	N4638.493	W09539.507
	GEZTO	N464017.01	W0954234.72	N4640.284	W09542.579
	HIBIR	N464429.25	W0954948.86	N4644.488	W09549.814
	ILUZY	N462859.93	W0952318.82	N4628.999	W09523.314
	KITPE	N464927.21	W0954342.60	N4649.454	W09543.710
	LAYEB	N463930.96	W0955554.00	N4639.516	W09555.900
	RW13	N463652.64	W0953644.39	N4636.877	W09536.740

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	01376	45

QUALITY  
3  
CHECKED

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	AIRPORT NAME: <b>PERHAM MUNI</b>				AMDT: <b>NONE</b>
					DATED: