

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										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW14 CLIMB TO 3300 DIRECT TOWED AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 318.62 INBOUND. CHART FAS OBST: 1338 WINDMILL 455954N/0955921W DISTANCE TO THLD FROM 250 HATH: 0.66 NM. WAAS CHANNEL # 49231 REFERENCE PATH ID: W14A LTP HAE: 340.4 M								
HUFFY (IF/IAF)		GOBLR (FB)		138.38 / 6.00			2800										
GOBLR (FAF)		JORNI/2.40 NM TO RW14 (FB)		138.45 / 2.49													
JORNI/2.40 NM TO RW14		RW14 (MAP) (FO)		138.45 / 2.40													
RW14 (MAP)		1453 MSL		138.45			3300										
1453 MSL		TOWED (FO)															
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW HUFFY, RT, 138.38 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: 138.45 FAF: GOBLR DIST FAF TO MAP: 4.89 THLD: 4.89 4. MIN. ALT: HUFFY 3300, GOBLR 2800, JORNI/2.40 NM TO RW14 2000* 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: 2800 GS ALT AT: GOBLR 2800 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 40.0 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	1453	1	250	1453	1	250		NA			NA						
LNAV/VNAV DA	1554	1 1/8	351	1554	1 1/8	351		NA			NA						
LNAV MDA	1600	1	397	1600	1	397		NA			NA						
CIRCLING	1600	1	394	1660	1	454		NA			NA						
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING FERGUS FALLS ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA NE OF RWY 14-32. CHART NOTE: PROCEDURE NA AT NIGHT. (SEE FORM 8260-10)																	
CITY AND STATE				ELEVATION: 1206 THRE: 1203				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
ELBOW LAKE, MN				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 14, ORIG 17 OCTOBER 2013				AMDT: NONE	
				ELBOW LAKE MUNI - PRIDE OF THE PRAIRIE												DATED	

QUALITY
 1
 CHECKED

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: DME/DME RNP-0.3 NA.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FERGUS FALLS ALTIMETER SETTING AND INCREASE ALL DA 48 FEET AND ALL MDA 60 FEET. INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 MILE.

TAA

	FROM	TO	ALT
1.	048/30 CW 228/30 (NOPT)	HUFFY (IF/IAF) (FB)	3300
2.	228/30 CW 048/30	HUFFY (IF/IAF) (FO)	3300

QUALITY
1
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CITY AND STATE
ELBOW LAKE, MN

ELEVATION: 1206 THRE: 1203
AIRPORT NAME:
ELBOW LAKE MUNI - PRIDE OF THE PRAIRIE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, ORIG
17 OCTOBER 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 Y63
RUNWAY RW14
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W14A
REFERENCE PATH IDENTIFIER (APPROACH ID) 455918.3485N
LTP/FTP LATITUDE 0955945.9875W
LTP/FTP LONGITUDE +03404
LTP/FTP ELLIPSOIDAL HEIGHT 455809.6100N
FPAP LATITUDE 0955824.7400W
FPAP LONGITUDE 00040.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 1712
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

DA46C098

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +03668
FPAP ORTHOMETRIC HEIGHT +03668

QUALITY
2
CHECKED

CITY AND STATE ELBOW LAKE, MN	ELEVATION: 1206 THRE: 1203 AIRPORT NAME: ELBOW LAKE MUNI - PRIDE OF THE PRAIRIE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 17 OCTOBER 2013	SUP:
				AMDT: NONE
				DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP Y63 K3FR14	AHUFFY	010HUFFYK3EA0EE	AR	HF		13840040	+	03300	18000			A	JS
SUSAP Y63 K3FR14	R	010HUFFYK3EA0E	I	IF			+	03300	18000			A	JS
SUSAP Y63 K3FR14	R	020GOBLRK3EA1E	F	051TF		13840060	+	02800				A	JS
SUSAP Y63 K3FR14	R	020GOBLRK3EA2WALPV			ALNAV/VNAV ALNAV								JS
SUSAP Y63 K3FR14	R	021JORN1K3EA0E	S	031TF		13850025	V	0200002008		-300		A	JS
SUSAP Y63 K3FR14	R	030RW14 K3PG0GY	M	031TF		13850024		01243		-300		A	JS
SUSAP Y63 K3FR14	R	040	O	M	CA	1385	+	01453				A	JS
SUSAP Y63 K3FR14	R	050TOWEDK3EA0EY		DF			+	03300				A	JS
SUSAP Y63 K3FR14	R	060TOWEDK3EA0EE	R	HM		31860040	+	03300				A	JS

[illegible][illegible]

QUALITY
2
CHECKED

CITY AND STATE ELBOW LAKE, MN	ELEVATION: 1206	THRE: 1203	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: ELBOW LAKE MUNI - PRIDE OF THE PRAIRIE			RNAV (GPS) RWY 14, ORIG	AMDT: NONE
			RNAV	17 OCTOBER 2013	DATED:

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
	HUFFY	HUFFY	010	IAF	HF	R	FO		138.4(140.4T)	004.0	AA 03300	
		HUFFY	010	FACF	IF		FB				AA 03300	
		GOBLR	020	FAF	TF		FB	0.5	138.4(140.4T)	006.0	AA 02800	
		JORNI	021	SDF	TF		FB	0.3	138.5(140.5T)	002.5	AA 02000	GS 02008
		RW14	030	MAP	TF		FO	0.3	138.5(140.5T)	002.4	AT 01243	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		138.5(140.5T)		AA 01453	
	TOWED	050		DF		FO				AA 03300	
	TOWED	060		HM	R	FO		318.6(320.6T)	004.0	AA 03300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GOBLR	N460304.51	W0960413.85	N4603.075	W09604.231
	HUFFY	N460741.95	W0960943.56	N4607.699	W09609.726
	JORNI	N460109.41	W0960157.43	N4601.157	W09601.957
	TOWED	N455028.43	W0954921.40	N4550.474	W09549.357
	RW14	N455918.35	W0955945.99	N4559.306	W09559.767

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW14	01203		40

2

CITY AND STATE ELBOW LAKE, MN	ELEVATION: 1206	THRE: 1203	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: ELBOW LAKE MUNI - PRIDE OF THE PRAIRIE		RNAV	RNAV (GPS) RWY 14, ORIG 17 OCTOBER 2013	AMDT: NONE
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