

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		
TOWED (IF/IAF)	BLADE (FB)	318.62 / 5.98	2800	LPV: DA LNAV/VNAV: DA LNAV: RW32	
BLADE (FAF)	YABUT/2.60 NM TO RW32 (FB)	318.55 / 2.30		CLIMB TO 3300 DIRECT HUFFY AND HOLD.	
YABUT/2.60 NM TO RW32	RW32 (MAP) (FO)	318.55 / 2.60			
RW32 (MAP)	1450 MSL	318.55			
1450 MSL	HUFFY (FO)		3300	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 138.38 INBOUND. CHART FAS OBST: 1363 ELEVATOR 455927N/0955843W DISTANCE TO THLD FROM 250 HATH: 0.66 NM. WAAS CHANNEL # 53731 REFERENCE PATH ID: W32A LTP HAE: 339.5 M	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE TOWED, RT, 318.62 INBOUND, 3300 FT. IN LIEU OF PT (IAF)
- FAC: 318.55 FAF: BLADE DIST FAF TO MAP: 4.90 THLD: 4.90
- MIN. ALT: TOWED 3300, BLADE 2800, YABUT/2.60 NM TO RW32 2060*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2800 GS ALT AT: BLADE 2800 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM:

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	1450	1	250	1450	1	250		NA			NA				
LNAV/VNAV DA	1589	1 3/8	389	1589	1 3/8	389		NA			NA				
LNAV MDA	1580	1	380	1580	1	380		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: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)



CITY AND STATE ELBOW LAKE, MN	ELEVATION: 1206 THRE: 1200 AIRPORT NAME: ELBOW LAKE MUNI - PRIDE OF THE PRAIRIE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG	SUP: AMDT: NONE DATED
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RNAV - STANDARD
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NOTES, (CONT.):

CHART NOTE: PROCEDURE NA AT NIGHT.

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

CHART PROFILE NOTE: VGSI 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 1/2 MILE.

TAA

	FROM	TO	ALT
1.	229/30 CW 049/30 (NOPT) 229/15 CW 094/15	229/15 CW 049/15 TOWED (IF/IAF) (FB)	3600 3300
2.	049/30 CW 229/30	TOWED (IF/IAF) (FO)	3300



CITY AND STATE

ELBOW LAKE, MN

ELEVATION: 1206

THRE: 1200

AIRPORT NAME:

ELBOW LAKE MUNI - PRIDE OF THE PRAIRIE

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, ORIG

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	Y63
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	455852.4420N
LTP/FTP LONGITUDE	0955915.3515W
LTP/FTP ELLIPSOIDAL HEIGHT	+03395
FPAP LATITUDE	460001.1600N
FPAP LONGITUDE	0960036.6500W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1712
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER AFF379F7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03659
FPAP ORTHOMETRIC HEIGHT	+03659



CITY AND STATE ELBOW LAKE, MN	ELEVATION: 1206 THRE: 1200	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG	SUP:
	AIRPORT NAME: ELBOW LAKE MUNI - PRIDE OF THE PRAIRIE			AMDT: NONE
	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 PACKET - 424-18 - RNAV (GPS)

WP	1	2	3	4	5	6	7	8	9	0	1	2	3	

	SUSAEENRT	BLADE	K30	W	N45550567W095544762			E0026	NAR	BLADE				
	SUSAEENRT	HUFFY	K30	W	N46074195W096094356			E0028	NAR	HUFFY				
	SUSAEENRT	TOWED	K30	W	N45502843W095492140			E0026	NAR	TOWED				
	SUSAEENRT	YABUT	K30	W	N45565208W095565314			E0027	NAR	YABUT				
AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3	

	SUSAP	Y63	K3AY63	0	034YHN45590540W095593067E002001206			1800018000C	MNAR	ELBOW LAKE MUNI - PRIDE OF THE				
SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	

	SUSAP	Y63	K3FR32	ATOWED	010TOWEDK3EA0EE	AR	HF		31860040	+	03300	18000	A JS	
	SUSAP	Y63	K3FR32	R	010TOWEDK3EA0E	I	IF			+	03300	18000	A JS	
	SUSAP	Y63	K3FR32	R	020BLADEK3EA1E	F	051TF		31860060	+	02800		A JS	
	SUSAP	Y63	K3FR32	R	020BLADEK3EA2WALPV		ALNAV/VNAV	ALNAV					JS	
	SUSAP	Y63	K3FR32	R	021YABUTK3EA0E	S	031TF		31860023	V	0206002068	-300	A JS	
	SUSAP	Y63	K3FR32	R	030RW32	K3PG0GY	M	031TF		31860026		01240	-300	A JS
	SUSAP	Y63	K3FR32	R	040		0	M	CA		3186	+	01450	A JS
	SUSAP	Y63	K3FR32	R	050HUFFYK3EA0EY		DF				+	03300	A JS	
	SUSAP	Y63	K3FR32	R	060HUFFYK3EA0EE		R	HM		13840040	+	03300	A JS	
RUNWAY	1	2	3	4	5	6	7	8	9	0	1	2	3	

	SUSAP	Y63	K3GRW32		0034013185	N45585244W095591535	+0100			+0339501200000040060R				
PP	1	2	3	4	5	6	7	8	9	0	1	2	3	

	SUSAP	Y63	K3PR32	RW32	001	0000W32A0N4558524420W09559153515	+033950300N4600011600W09600366500106751712000400F400500AFF379F7							
	SUSAP	Y63	K3PR32	RW32	002E	+03659+03659LPV								

CITY AND STATE
ELBOW LAKE, MN

ELEVATION: 1206 THRE: 1200
AIRPORT NAME:
ELBOW LAKE MUNI - PRIDE OF THE PRAIRIE

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
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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
	TOWED	TOWED	010	IAF	HF	R	FO		318.6 (320.6T)	004.0	AA 03300	
		TOWED	010	FACF	IF		FB				AA 03300	
		BLADE	020	FAF	TF		FB	0.5	318.6 (320.6T)	006.0	AA 02800	
		YABUT	021	SDF	TF		FB	0.3	318.6 (320.6T)	002.3	AA 02060	GS 02068
		RW32	030	MAP	TF		FO	0.3	318.6 (320.6T)	002.6	AT 01240	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		318.6 (320.6T)		AA 01450	
	HUFFY	050		DF		FO				AA 03300	
	HUFFY	060		HM	R	FO		138.4 (140.4T)	004.0	AA 03300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BLADE	N455505.67	W0955447.62	N4555.095	W09554.794
	HUFFY	N460741.95	W0960943.56	N4607.699	W09609.726
	TOWED	N455028.43	W0954921.40	N4550.474	W09549.357
	YABUT	N455652.08	W0955653.14	N4556.868	W09556.886
	RW32	N455852.44	W0955915.35	N4558.874	W09559.256

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	01200	40

CITY AND STATE
ELBOW LAKE, MN

ELEVATION: **1206** **THRE: 1200**
 AIRPORT NAME:
ELBOW LAKE MUNI - PRIDE OF THE PRAIRIE

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 32, ORIG

SUP:
 AMDT: **NONE**
 DATED: