

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	
ODASE (IF/IAF)	HABSA (FB)	299.92 / 6.00	3300	LPV: DA LNAV/VNAV: DA LNAV: RW30
HABSA (FAF)	BINDE/2.20 NM TO RW30 (FB)	299.82 / 3.43		
BINDE/2.20 NM TO RW30	RW30 (MAP) (FO)	299.77 / 2.20		CLIMB TO 4100 DIRECT PUXIE AND HOLD.
RW30 (MAP)	1706 MSL	299.77		
1706 MSL	PUXIE (FO)		4100	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 119.53 INBOUND. CHART FAS OBST: 1599 TREE 474832N/0914848W DISTANCE TO THLD FROM 250 HATH: 0.62 NM. WAAS CHANNEL # 93627 REFERENCE PATH ID: W30A CHART AIRPORT ELEV: 1456 LTP HAE: 413.1 M

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE ODASE, RT, 299.92 INBOUND, 4100 FT. IN LIEU OF PT (IAF)
- FAC: 299.82 FAF: HABSA DIST FAF TO MAP: 5.63 THLD: 5.63
- MIN. ALT: ODASE 4100, HABSA 3300, BINDE/2.20 NM TO RW30 2200*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 3300 GS ALT AT: HABSA 3300 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 0E EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			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
LPV DA	1706	1	250	1706	1	250	1706	1	250	1706	1	250			
LNAV/VNAV DA	1780	1	324	1780	1	324	1780	1	324	1780	1	324			
LNAV MDA	1860	1	404	1860	1	404	1860	1 1/8	404	1860	1 1/8	404			
CIRCLING	1920	1	464	1920	1	464	1940	1 1/2	484	2020	2	564			

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING COOK ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 34C (93F).
 CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 30 PROCEDURE NA AT NIGHT.
 CHART NOTE: DME/DME RNP-0.3 NA.
 (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE ELY, MN	ELEVATION: 1456 THRE: 1456 AIRPORT NAME: ELY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1 / 1 " 201	SUP: AMDT: ORIG DATED 11/01/2001
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NOTES, (CONT.):

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COOK ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET; INCREASE LPV VISIBILITY 1/8 MILE ALL CATS, LNAV/VNAV VISIBILITY 3/8 MILE ALL CATS, AND LNAV CAT C/D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	210/30 CW 030/30 (NOPT)	ODASE (IF/IAF) (FB)	4100
2.	030/30 CW 210/30	ODASE (IF/IAF) (FO)	4100



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	AIRPORT NAME: ELY MUNI				AMDT: ORIG
					DATED: 11/01/2001

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KELO
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	474912.7550N
LTP/FTP LONGITUDE	0914909.9520W
LTP/FTP ELLIPSOIDAL HEIGHT	+04131
FPAP LATITUDE	474956.9000N
FPAP LONGITUDE	0915104.7900W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1048
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

E7E7252D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04437
FPAP ORTHOMETRIC HEIGHT	+04437

QUALITY
2
CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	BINDE	K30	W	N47480730W091461992				W0011	NAR		BINDE		
SUSAEENRT	HABSA	K30	W	N47462517W091415521				W0012	NAR		HABSA		
SUSAEENRT	ODASE	K30	W	N47432594W091341245				W0013	NAR		ODASE		
SUSAEENRT	PUXIE	K30	W	N47552726W092052841				W0009	NAR		PUXIE		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KELOK3AELO	0	055YHN47492645W091494555E000001456				1800018000C	MNAR	ELY MUNI				

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KELOK3FR30	AODASE	010ODASEK3EA0EE	AR	HF			29990050	+ 04100	18000		A	JS
SUSAP	KELOK3FR30	R	010ODASEK3EA0E	I	IF				+ 04100	18000		A	JS
SUSAP	KELOK3FR30	R	020HABSAK3EA1E	F	051TF			29990060	+ 03300			A	JS
SUSAP	KELOK3FR30	R	020HABSAK3EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KELOK3FR30	R	021BINDEK3EA0E	S	031TF			29980034	V 0220002208	-300		A	JS
SUSAP	KELOK3FR30	R	030RW30	K3PG0GY	M 031TF			29980022	01508	-300		A	JS
SUSAP	KELOK3FR30	R	040	0	M	CA		2998	+ 01706			A	JS
SUSAP	KELOK3FR30	R	050PUXIEK3EA0EY		DF				+ 04100			A	JS
SUSAP	KELOK3FR30	R	060PUXIEK3EA0EE	R	HM			11950050	+ 04100			A	JS

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KELOK3GRW30	0055962997	N47491276W091490995-0200				+0413101456000052100R						

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KELOK3PR30	RW30 001	0000W30A0N4749127550W09149099520+041310300N4749569000W09151047900106751048000520F400500E7E7252D										
SUSAP	KELOK3PR30	RW30 002E	+04437+04437LPV			93627							



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