

**FEDERAL AVIATION ADMINISTRATION**  
**FLIGHT STANDARDS SERVICE**  
**RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**  
**TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u><b>AIRPORT ID</b></u> KLNL	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 32	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-C	<u><b>CITY</b></u> LAND O' LAKES	<u><b>STATE</b></u> WI		
<u><b>AIRPORT ELEVATION</b></u> 1705	<u><b>TDZE</b></u> 1704	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 32	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-B	<u><b>DATED</b></u> 10/08/2020	<u><b>MAG VAR</b></u> 2W	<u><b>EPOCH YEAR</b></u> 2000
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 22 APRIL 2021	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>		

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
DINER		TOLOY		TF	FO	1.00	156.62	13.64	3500
CINOP	IAF	TOLOY	NOPT	TF	FB	1.00	234.95	9.23	3500
JAYME	IAF	TOLOY	NOPT	TF	FB	1.00	054.99	14.93	3500
TOLOY	IF/IAF	JOLNA		TF	FB	1.00	324.82	6.00	3500
JOLNA	FAF	WATOL/1.62 NM TO RW32		TF	FB	0.30	324.76	3.89	
WATOL/1.62 NM TO RW32		RW32	MAP	TF	FO	0.30	324.76	5.51	
RW32	MAP	2105 MSL		CA			324.76		
2105 MSL		TECOL		DF	FO	1.00			3500

**MISSED APPROACH**

**MAP:**

LNAV: RW32

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3500 DIRECT TECOL AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE TOLOY, RT, 324.82 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 324.76FAF: JOLNADIST FAF TO MAP: 5.51DIST FAF TO THLD: 5.51

4. MIN ALT: TOLOY 3500, JOLNA 3500, WATOL/1.62 NM TO RW32 2260

5. DIST TO THLD FROM OM:MM:IM:150 HAT:GS ANT:

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM: RW32 4400

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 5 AND 23.  
CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JAYME ON V63 SOUTHBOUND.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 144.58 INBOUND.  
CHART FAS OBST: 1889 TREES 460804N/0891201W.  
CHART CIRCLING ICON.  
JOLNA TO RW32: 3.00/40.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LNAV MDA	2140	1	436	2140	1	436	2140	1 1/4	436		NA				
CIRCLING	2200	1	495	2240	1	535	2240	1 1/2	535		NA				



**CHANGES - REASONS**

- THIS AMENDMENT INCORPORATES PREVIOUS CHANGES MADE BY P-NOTAM.
- DELETED CHART NOTE: DME/DME RNP-0.3 NA AND REPLACED WITH PBN REQUIREMENTS NOTE: RNP APCH. - IAW 8260.19I.
- ADDED 34:1 AND 20:1 IS NOT CLEAR TO PROFILE LINE 7 - IAW 8260.19I.
- CHANGED HELICOPTER NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA" TO "RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" - IAW 8260.19I.
- REMOVED "CIRCLING RWY 32 NA AT NIGHT" AND "STRAIGHT-IN RWY 32 NA AT NIGHT" - NEW AIRPORT SURVEY SHOWED NUMEROUS 20:1S TO ALL RWYS MAKING PROCEDURE NA AT NIGHT.
- ADDED "CHART NOTE: PROCEDURE NA AT NIGHT" - IAW 8260.19I.
- ADDED MAX 6000 TO PROFILE LINE 2 HOLD IN LIEU OF PT AT TELOY - IAW 8260.19I.
- MOVED BACK-UP ALTIMETER NOTE TO PART C: GENERAL REMARKS - ALTIMETERS ON WMSCR
- REMOVED FAS OBST 1969 TREES 460547N/0890713W - TREE LOCATED BEFORE SDF WATOL.
- CHANGED NOTE FROM "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT JAYME VIA V63 SOUTHWESTBOUND" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT JAYME ON V63 SOUTHBOUND" - IAW 8260.91I

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:**

**FLIGHT CHECKED BY**

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED

**DEVELOPED BY**

JASON KRETSCHMER (CHARLES THIBODEAUX)

*Digitally signed by*

**JASON KRETSCHMER**

Feb 26, 2021

*Digitally signed by*

**JASON KRETSCHMER**

Feb 26, 2021

**APPROVED BY**

MARLON ROBINSON

**OFFICE** *Digitally signed by*

**DATE**

**JASON KRETSCHMER**

Feb 26, 2021

**OFFICE**

AJV-A421

**DATE**

11/09/2020

**OFFICE**

AJV-A420

**DATE**

**TITLE**  
MANAGER

QUALITY  
10  
CHECKED