

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SUPERSEDED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

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</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:MM:IM:

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

OFFICE *Digitally signed by***DATE****JASON KRETSCHMER**

Feb 26, 2021

OFFICE

AJV-A421

DATE

11/09/2020

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A420

DATE**TITLE**
MANAGERQUALITY
10
CHECKED

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u> KLNL	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> LAND O' LAKES	<u>STATE</u> WI	<u>AIRPORT ELEVATION</u> 1705	<u>FACILITY</u> RNAV
---------------------------	--	---------------------------	------------------------------	--------------------	----------------------------------	-------------------------

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
DINER

TO
TOLOY

<u>RNP</u>	<u>DISTANCE</u> 13.64	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (55-001288)	460359.90N/0890437.30W		2160	250	50	4D	1000				DG340	3500
TERRAIN	460530.00N/0890203.00W		1917 (1900)								AS1500	3400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
CINOP

TO
TOLOY

<u>RNP</u>	<u>DISTANCE</u> 9.23	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	460333.50N/0885101.60W		2151	164	98	4E	1000					3200
TERRAIN	460333.50N/0885101.60W		1951 (2000)								AS1500	3500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM
JAYME

TO
TOLOY

RNP	DISTANCE 14.93	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	460015.00N/0890321.00W		2113	164	98	4E	1000				AT387	3500
TERRAIN	460015.00N/0890321.00W		1913 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
TOLOY (IF/IAF)

TO
JOLNA

RNP	DISTANCE 6.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (55-001288)	460359.90N/0890437.30W		2160	250	50	4D	500				DG840	3500
TERRAIN	460209.00N/0890030.00W		1917 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV

FROM

JOLNA

TO

WATOL/1.62 NM TO RW32

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	3.89											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	460547.00N/0890713.00W		2069	50	20	2C	250				SA-161 RA40 DG62	2260

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	IR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

WATOL/1.62 NM TO RW32

TO

RW32

<u>RNP</u>	<u>DISTANCE</u> 5.51	<u>PAT</u>	<u>MAP</u> RW32	<u>HAT</u> 436			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREES	460804.00N/0891201.00W		1889	50	20	2C	250					2140

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	IR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM
TOLOY

TO
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (55-001288)	460359.90N/0890437.30W		2160	250	50	4D	1000				AT340	3500
TERRAIN	460530.00N/0890203.00W		1917 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM
RW32

TO
TECOL

RNP	DISTANCE	PAT	MAP	HAT			HMAS 2040					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3500
TOWER (26-021013)	461728.05N/0892356.42W		2100	20	3	1A	1000					3100
TERRAIN	461324.00N/0891503.00W		1880 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☐ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TANK (55-023632)	460950.64N/0891432.78W	1.32	495	1894	20	3	1A	300			2200
CATEGORY B											
TREE	461057.36N/0891302.36W	1.87	535	1929	50	20	2C	300			2240
CATEGORY C											
TREE	461057.36N/0891302.36W	2.94	535	1929	50	20	2C	300			2240

CIRCLING REMARKS:

MSA

CENTER
RW32

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (50-0226)	454003.00N/0891230.00W	182	29.0	3326	250	50	4D	1000			4400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100 FT VEGETATION



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZMP ARTCC

<u>WX SERVICE</u> AWOS-3	<u>LOCATION</u> KLNL	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KLNL	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3	<u>LOCATION</u> KEGV	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KEGV	<u>DISTANCE</u> 13.52	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 40

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KLNL 1074, KEGV 1642
RA = 39.85.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW14 - MIRL (PCL), REIL (PCL), PAPI-2L		NPI-F	
RW32 - MIRL (PCL), PAPI-2L		NPI-F	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 26.0
-------------------------	---------------------------	------------	------------------------	--------------------------	---------------------------	--------------------

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
---------------------	----------------------	------------	----------------

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING	QUALITY 10 CHECKED	
20:1			
1782 TREE (55-050302) 460941.18N/0891309.03W (16.25)			1767 POLE (55-023569) 460937.29N/0891310.41W (13.98)
1748 POLE (55-023558) 460934.52N/0891308.22W (10.81)			

AIRPORT ID KLNL		PROCEDURE NAME RNAV (GPS) RWY 32	AMDT NO. ORIG-C	CITY LAND O' LAKES	STATE WI	AIRPORT ELEVATION 1705	FACILITY RNAV
Final Type	LNAV						
20:1							
1720 TREE (55-075626) 460856.65N/0891225.27W (14.48)				1720 TRAVERSE_WAY (55-049978) 460858.51N/0891220.79W (12.42)			
1717 TREE (55-050018) 460856.53N/0891225.44W (11.36)				1720 TREE (55-052045) 460855.72N/0891225.26W (10.71)			
1720 TRAVERSE_WAY (55-093035) 460858.07N/0891220.81W (10.69)				1717 TREE (55-050016) 460856.68N/0891224.83W (10.66)			
1757 TREE (55-049930) 460849.74N/0891219.00W (10.26)				1717 TREE (55-049976) 460856.15N/0891225.47W (9.89)			
1760 TREE (55-049778) 460849.13N/0891218.53W (9.8)				1714 TREE (55-049910) 460857.36N/0891224.54W (9.78)			
1756 TREE (55-094190) 460849.32N/0891219.26W (8.12)				1713 TREE (55-049895) 460857.39N/0891224.06W (7.88)			
1759 TREE (55-052021) 460848.94N/0891218.15W (7.22)				1715 TREE (55-075623) 460856.33N/0891224.60W (6.76)			
1716 TREE (55-052044) 460856.43N/0891223.92W (6.71)				1754 TREE (55-081487) 460849.40N/0891218.77W (5.4)			
1718 TRAVERSE_WAY (55-093115) 460857.22N/0891220.83W (5.3)				1710 TREE (55-049897) 460856.95N/0891225.01W (5.13)			
1736 TREE (55-050319) 460852.11N/0891221.84W (4.87)				1756 TREE (55-052022) 460849.16N/0891217.88W (4.53)			
1708 TREE (55-049911) 460857.53N/0891224.30W (3.95)				1711 TREE (55-049977) 460857.22N/0891223.46W (3.91)			
1716 TREE (55-075620) 460855.45N/0891224.22W (3.4)				1749 TREE (55-049860) 460850.82N/0891217.35W (3.09)			
1716 TREE (55-075622) 460855.19N/0891224.54W (3.04)				1721 POLE (55-023521) 460856.63N/0891219.36W (2.79)			
1721 TRANSMISSION_LINE (55-023520) 460856.59N/0891219.29W (2.48)				1711 TREE (55-052046) 460856.62N/0891223.61W (1.82)			
1712 TREE (55-075617) 460856.15N/0891223.89W (1.52)				1717 TRAVERSE_WAY (55-093876) 460856.48N/0891220.86W (1.39)			
1711 TREE (55-052135) 460855.76N/0891224.83W (0.95)				1708 TREE (55-049975) 460857.03N/0891223.82W (0.92)			
1710 SIGN (55-023523) 460857.44N/0891222.07W (0.84)				1709 FENCE (55-093864) 460857.48N/0891222.33W (0.55)			
1708 TREE (55-075619) 460856.77N/0891224.08W (0.42)				1728 TREE (55-050323) 460852.75N/0891222.23W (0.28)			
Final Type	LNAV						
34:1							
1746 TREE (55-075079) 460849.67N/0891219.37W (17.16)				1745 TREE (55-049931) 460850.04N/0891218.63W (16.11)			
1749 TREE (55-051996) 460848.40N/0891218.35W (15.87)				1753 TREE (55-050032) 460849.53N/0891213.02W (15.86)			
1744 TREE (55-057931) 460849.78N/0891218.69W (14.56)				1751 TREE (55-094109) 460847.78N/0891216.15W (13.64)			
1744 TREE (55-050030) 460849.47N/0891218.43W (13.5)				1747 TREE (55-051959) 460848.41N/0891217.72W (13.1)			
1747 TREE (55-052142) 460848.17N/0891217.83W (12.67)				1746 TREE (55-052170) 460850.01N/0891214.34W (11.65)			
1753 TREE (55-050230) 460849.36N/0891209.73W (11.33)				1765 TREE (55-057681) 460842.09N/0891213.26W (10.52)			
1767 TREE (55-078284) 460841.11N/0891212.51W (9.26)				1766 TREE (55-052036) 460842.03N/0891211.44W (9.1)			

QUALITY
10
CHECKED

AIRPORT ID KLNL	PROCEDURE NAME RNAV (GPS) RWY 32	AMDT NO. ORIG-C	CITY LAND O' LAKES	STATE WI	AIRPORT ELEVATION 1705	FACILITY RNAV
1740 TREE (55-049777)	460850.32N/0891216.28W (8.82)		1742 TREE (55-078465)	460850.09N/0891214.69W (8.28)		
1741 TREE (55-051998)	460848.16N/0891218.84W (7.91)		1744 TREE (55-052125)	460851.09N/0891210.70W (7.65)		
1765 TREE (55-093203)	460840.86N/0891212.72W (6.93)		1725 TREE (55-093157)	460852.69N/0891222.11W (6.75)		
1764 TREE (55-051986)	460841.52N/0891211.45W (5.9)		1742 TREE (55-078278)	460850.71N/0891211.43W (5.66)		
1763 TREE (55-052011)	460841.62N/0891211.75W (5.51)		1761 TREE (55-050001)	460842.19N/0891211.96W (5.13)		
1738 TREE (55-052000)	460848.85N/0891217.67W (5.08)		1717 TREE (55-050376)	460854.69N/0891223.35W (5.05)		
1749 TREE (55-050270)	460848.64N/0891209.17W (4.92)		1760 TREE (55-078283)	460842.04N/0891212.35W (4.26)		
1733 TREE (55-065238)	460850.62N/0891217.64W (4.24)		1734 TREE (55-093478)	460851.69N/0891214.79W (4.2)		
1758 TREE (55-066429)	460843.75N/0891210.53W (4.03)		1739 TREE (55-052137)	460850.87N/0891212.09W (3.87)		
1718 TREE (55-050422)	460854.48N/0891221.89W (3.72)		1715 TREE (55-050378)	460854.63N/0891223.93W (3.63)		
1736 TREE (55-078469)	460849.94N/0891215.96W (3.52)		1713 TREE (55-050272)	460855.20N/0891224.04W (3.12)		
1735 TREE (55-066440)	460850.27N/0891215.77W (3.06)		1760 TREE (55-052015)	460841.93N/0891211.58W (3.04)		
1713 TREE (55-050269)	460857.47N/0891219.61W (2.95)		1764 TREE (55-049996)	460841.53N/0891208.95W (2.79)		
1740 TREE (55-078285)	460849.31N/0891213.36W (2.76)		1762 TREE (55-049905)	460841.73N/0891210.04W (2.63)		
1730 TREE (55-057933)	460851.04N/0891217.84W (2.48)		1712 TREE (55-050274)	460855.39N/0891223.94W (2.45)		
1710 TREE (55-052134)	460855.99N/0891224.29W (2.31)		1713 TREE (55-050348)	460854.73N/0891224.20W (2.21)		
1761 TREE (55-049909)	460841.51N/0891210.84W (2.11)		1763 TREE (55-049999)	460840.65N/0891210.81W (2.04)		
1763 TREE (55-049995)	460841.11N/0891209.83W (1.9)		1730 TREE (55-057932)	460850.77N/0891217.85W (1.86)		
1711 TREE (55-050275)	460856.45N/0891222.11W (1.67)		1761 TREE (55-049904)	460841.99N/0891209.42W (1.47)		
1752 TREE (55-078276)	460844.64N/0891211.29W (1.1)		1761 TREE (55-049903)	460841.36N/0891210.30W (1.08)		
1743 TREE (55-050229)	460845.74N/0891216.36W (1.06)		1714 TRAVERSE_WAY (55-094092)	460855.47N/0891220.90W (0.82)		
1734 TREE (55-051993)	460851.01N/0891213.22W (0.62)		1752 TREE (55-065258)	460843.53N/0891213.00W (0.61)		
1740 TREE (55-049819)	460849.80N/0891210.65W (0.53)		1731 TREE (55-078470)	460850.67N/0891216.11W (0.44)		
1743 TREE (55-050203)	460848.93N/0891209.79W (0.38)		1726 TREE (55-049875)	460850.90N/0891219.61W (0.37)		
1729 TREE (55-049932)	460851.05N/0891216.82W (0.23)		1740 TREE (55-049818)	460846.50N/0891216.60W (0.17)		
1731 TREE (55-049780)	460849.60N/0891217.83W (0.06)					

QUALITY
10
CHECKED

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - OBSTACLES PENETRATE 20:1 SURFACE.

RWY 05-23 TURF WITH NO MARKINGS OR LIGHTS.

FOR CONTINGENCY PURPOSES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EAGLE RIVER UNION ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET; INCREASE LNAV CAT C VISIBILITY 1/8 SM.

TAA NOT UTILIZED PER MINNEAPOLIS ARTCC.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<div>AIRPORT ID</div> <div>KLNL</div>	<div>PROCEDURE NAME</div> <div>RNAV (GPS) RWY 32</div>	<div>AMDT NO.</div> <div>ORIG-C</div>	<div>CITY</div> <div>LAND O' LAKES</div>	<div>STATE</div> <div>WI</div>	<div>AIRPORT ELEVATION</div> <div>1705</div>	<div>FACILITY</div> <div>RNAV</div>
---------------------------------------	--	---------------------------------------	--	--------------------------------	--	-------------------------------------

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.51
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.69
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	322.76
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1900
DISTANCE FROM	THLD	TO 1500FT POINT	5.31
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	322.76
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1900

THRESHOLD COORDINATES (IF STR-IN)

460859.41N/0891225.47W

ARP COORDINATES

460914.82N/0891243.07W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 14 DISTANCE 0.33 NM

FAF COORDINATES

460436.43N/0890737.71W

FIX NAME COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY
10
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 10 of 11

PART E: PREPARED BY

<u>NAME</u> JASON KRETSCHMER (CHARLES THIBODEAUX)	<u>OFFICE</u> AJV-A421	<u>DATE</u> 11/09/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
---	---------------------------	---------------------------	---

