

**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 14	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> LAND O' LAKES	<u>STATE</u> WI		
<u>AIRPORT ELEVATION</u> 1706	<u>TDZE</u> 1705	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 04/22/2021	<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> 12/29/2022	<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		TECOL		TF	FO	1.00	307.23	9.35	3500
JAYME		HURSO		TF	FB	1.00	347.46	25.57	3500
HURSO	IAF	TECOL	NOPT	TF	FB	1.00	070.16	5.19	3500
COTMO	IAF	TECOL	NOPT	TF	FB	1.00	144.42	16.01	3500
TECOL	IF/IAF	JELAR		TF	FB	1.00	144.60	6.00	3500
JELAR	FAF	POZWU/1.35 NM TO RW14		TF	FB	0.30	144.66	2.78	
POZWU/1.35 NM TO RW14		RW14	MAP	TF	FO	0.30	144.66	1.35	
RW14	MAP	2106 MSL		CA			144.66		
2106 MSL		TOLOY		DF	FO	1.00			3500

MISSED APPROACH

MAP:

LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3500 DIRECT TOLOY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. CHANGED PBN REQUIREMENTS NOTE FROM RNP APCH TO RNP APCH - GPS - IAW 8260.19I PARA 8-6-8B(2).
2. REMOVED CHART NOTE: PROCEDURE NA AT NIGHT - UNLIGHTED 20:1 PENETRATIONS REMOVED AND VERIFIED REMOVED FROM THE DATABASE.
3. REMOVED CAT C FROM THE APPROACH - NEW FINAL ANGLE AND IAW 8260.3E, TABLE 2-6-1.
4. INCREASED FINAL ANGLE AND TCH FROM 3.00/35 TO 4.00/40 - TO MATCH THE PUBLISHED VGSI ANGLE/TCH.
5. CHANGED DINER FEEDER COURSE/DIST FROM 309.48/10.70 TO 307.23/9.35 - DUE TO FIX TECOL RELOCATION.
6. CHANGED HURSO INITIAL COURSE/DIST FROM 054.51/5.00 TO 070.16/5.19 - DUE TO FIX TECOL RELOCATION.
7. CHANGED COTMO INITIAL DISTANCE FROM 14.61 TO 16.01 - DUE TO TECOL RELOCATION.
8. CHANGED TECOL INTERMEDIATE COURSE FROM 144.58 TO 144.60 - DUE TO TECOL RELOCATION.
9. FINAL COURSE CHANGED FROM 144.64 TO 144.66 - FAF RELOCATION DUE TO CHANGE IN FINAL ANGLE/TCH.
10. ADDED LNAV STEPDOWN FIX POZWU/1.35 NM TO RW14 AND CROSSING ALTITUDE OF 2320- TO GAIN BEST POSSIBLE MDA PER FPT REQUEST.
11. LOWERED MDA/HAT FROM 2220/515 TO 2180/475 - PER FPT REQUEST TO GAIN LOWEST POSSIBLE MINIMUMS VIA ADDING FINAL SDF.
12. CHANGED ADDITIONAL FLIGHT DATA NOTE JELAR TO RW14: 3.00/35 TO READ JELAR TO RW14: 4.00/40 - FINAL ANGLE CHANGED.
13. CHANGED HOLD IN LIEU INBOUND HEADING FROM 144.58 TO 144.60 - TO ALIGN WITH NEW INTERMEDIATE COURSE.
14. CHANGED MISSED APPROACH HOLD INBOUND HEADING FROM 324.82 TO 324.83 - TO MATCH THE RNAV GPS RWY 32 NEW HOLD IN LIEU HEADING.
15. AIRPORT ELEVATION CHANGED FROM 1705 TO 1706 - NEW AIRNAV DATA.
16. CHANGED CA LEG FROM 2105 MSL TO 2106 MSL - AIRPORT ELEVATION CHANGED FROM 1705 TO 1706.
17. DELETED "CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - REVISED ANGLE/TCH TO MATCH PUBLISHED VGSI ANGLE/TCH.
18. CHANGED DISTANCE FAF TO MAP AND FAF TO THLD FROM 5.53 TO 4.13 - DUE TO FAF RELOCATION.
19. CIRCLING CAT A MDA LOWERED FROM 2220 TO 2200 - DUE TO LOWERING OF LNAV MDA.
20. CIRCLING CAT B HAA LOWERED FROM 535 TO 534 - DUE TO AIRPORT ELEV CHANGE.
21. CHANGED MSA CONTROLLING OBSTACLE FROM 3326 TWR (50-0226) 454003.00N/0891230.00W (4D) TO 2284 TOWER (55-000952) 460954.00N/0892147.00W (5D) AND LOWERED ALTITUDE FROM 4400 TO 3300 - NEW CONTROLLING OBSTACLE.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, AMGR

FLIGHT CHECKED BY

MICHAEL A GREENWOOD

*Digitally signed by***RAKE MCGRAW**

Dec 07, 2022

OFFICE

FPO

DATE

12/06/2022

DEVELOPED BY

JOHN LINDSEY

*Digitally signed by***JOHN LINDSEY**

Sep 20, 2022

OFFICE

AJV-A423

DATE

08/16/2022

APPROVED BY

MARLON ROBINSON

*Digitally signed by***RAKE MCGRAW**

Dec 07, 2022

OFFICE

AJV-A420

DATE**TITLE**
MANAGER

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KLNL	RNAV (GPS) RWY 14	1	LAND O' LAKES	WI	1706	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM DINER TO TECOL

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	9.35											
<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	461324.00N/0891500.00W		2080	164	98	4E	1000				AT420	3500
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:

FEEDER

FROM JAYME TO HURSO

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	25.57											
<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	460354.00N/0892527.00W		2071	164	98	4E	1000				AT429	3500
TERRAIN	460354.00N/0892530.00W		1870 (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
HURSO

TO
TECOL

RNP	DISTANCE 5.19	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (26-021013)	461728.05N/0892356.42W		2100	20	3	1A	1000				AT400	3500
TERRAIN	461448.00N/0892257.00W		1817 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
COTMO

TO
TECOL

RNP	DISTANCE 16.01	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (26-021013)	461728.05N/0892356.42W		2100	20	3	1A	1000				AT400	3500
TERRAIN	461645.00N/0892327.00W		1751 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM
TECOL (IF/IAF)

TO
JELAR

RNP	DISTANCE 6.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (26-021013)	461728.05N/0892356.42W		2100	20	3	1A	500				AT900	3500
TERRAIN	461427.00N/0891857.00W		1856 (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
JELAR

TO
POZWU/1.35 NM TO RW14

RNP	DISTANCE 2.78	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	461221.80N/0891524.22W		2029	50	20	2C	250				RA40	2320

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

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM
POZWU/1.35 NM TO RW14

TO
RW14

RNP	DISTANCE 1.35	PAT	MAP RW14	HAT 475	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (55-093110)	461058.65N/0891341.52W		1921	20	3	1A	250					2180

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

SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM
TECOL

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 (26-021013)	461728.05N/0892356.42W		2100	20	3	1A	1000				AT400	3500
TERRAIN	461427.00N/0891857.00W		1856 (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

RW14

TO

TOLOY

RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							2080				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3500
TOWER (55-001288)	460359.90N/0890437.30W	2160	250	50	4D	1000					3200
TERRAIN	460015.00N/0890321.00W	1912 (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	494	1894	20	3	1A	300			2200
CATEGORY B											
TREE (55-093431)	461057.96N/0891304.44W	1.87	534	1922	20	10	1B	300			2240

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW14	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (55-000952)	460954.00N/0892147.00W	276	6.1	2284	500	50	5D	1000			3300

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 1706, KEGV 1642
RA = 40.0

<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 (PCL)		NPI-G	
RW32 - MIRL (PCL), REIL (PCL), PAPI-2L (PCL)		NPI-G	

<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> 4.00	<u>TCH</u> 40.0
-------------------------	---------------------------	------------	------------------------	--------------------------	---------------------------	--------------------

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE	201
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 RWY 14		
20:1			
1767 POLE (55-023569) 460937.29N/0891310.41W (13.17)		1748 POLE (55-023558) 460934.52N/0891308.22W (10)	



AIRPORT ID		PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KLNL		RNAV (GPS) RWY 14	1	LAND O' LAKES	WI	1706	RNAV

Final Type	LNAV
20:1	
1767 POLE (55-023569) 460937.29N/0891310.41W (13.17)	
1748 POLE (55-023558) 460934.52N/0891308.22W (10)	
Final Type	LNAV
34:1	
1812 TREE (55-052110) 460948.31N/0891321.19W (38.51)	
1801 TREE (55-050975) 460946.81N/0891315.42W (38.3)	
1803 TREE (55-075896) 460947.54N/0891315.64W (38.3)	
1798 TREE (55-050086) 460944.37N/0891318.27W (37.51)	
1800 TREE (55-064470) 460947.53N/0891314.42W (36.85)	
1798 TREE (55-050253) 460944.77N/0891318.18W (36.68)	
1801 TREE (55-057558) 460947.74N/0891315.02W (36.6)	
1798 TREE (55-075895) 460946.20N/0891315.61W (36.51)	
1797 TREE (55-050088) 460944.15N/0891318.75W (36.43)	
1801 TREE (55-051877) 460945.01N/0891320.38W (36.35)	
1796 TREE (55-050123) 460946.57N/0891313.57W (36.19)	
1803 TREE (55-064636) 460945.71N/0891321.05W (35.85)	
1802 TREE (55-053875) 460947.88N/0891316.38W (35.56)	
1801 TREE (55-076564) 460945.29N/0891320.52W (35.51)	
1797 TREE (55-051363) 460944.45N/0891319.07W (35.32)	
1798 TREE (55-050977) 460944.84N/0891319.15W (35.29)	
1797 TREE (55-051364) 460946.88N/0891314.51W (35.28)	
1805 TREE (55-051230) 460946.88N/0891321.04W (35.09)	
1803 TREE (55-076557) 460946.80N/0891319.91W (34.69)	
1796 TREE (55-050263) 460944.63N/0891318.48W (34.63)	
1794 TREE (55-050129) 460945.88N/0891315.02W (34.01)	
1799 TREE (55-051955) 460945.71N/0891319.84W (33.37)	
1797 TREE (55-050553) 460944.47N/0891320.69W (33.24)	
1798 TREE (55-051911) 460945.48N/0891319.72W (33.06)	
1797 TREE (55-067004) 460944.85N/0891320.21W (32.94)	
1789 TREE (55-050109) 460945.48N/0891312.69W (32.88)	
1787 TREE (55-050219) 460945.71N/0891310.68W (32.86)	
1796 TREE (55-054009) 460944.61N/0891320.07W (32.68)	
1801 TREE (55-050848) 460946.74N/0891320.25W (32.41)	
1787 TREE (55-050148) 460945.06N/0891312.52W (32.09)	
1785 TREE (55-050412) 460945.30N/0891310.49W (32.07)	
1802 TREE (55-051231) 460946.71N/0891321.47W (31.95)	
1795 TREE (55-057876) 460945.14N/0891318.90W (31.9)	
1795 TREE (55-081504) 460944.41N/0891320.37W (31.78)	
1786 TREE (55-050220) 460944.05N/0891313.91W (31.74)	
1785 TREE (55-050195) 460943.76N/0891313.83W (31.53)	
1794 TREE (55-057857) 460944.97N/0891318.74W (31.5)	
1790 TREE (55-050161) 460945.11N/0891315.31W (31.47)	
1799 TREE (55-076560) 460946.48N/0891320.04W (31.29)	
1799 TREE (55-051007) 460945.72N/0891321.58W (31.16)	
1800 TREE (55-050897) 460946.60N/0891320.73W (31.14)	
1803 TREE (55-067030) 460947.49N/0891321.45W (31.13)	
1804 TREE (55-051819) 460948.02N/0891321.40W (30.93)	
1805 TREE (55-052148) 460948.72N/0891320.89W (30.91)	
1800 TREE (55-051306) 460947.12N/0891319.96W (30.87)	
1795 TREE (55-067005) 460945.07N/0891319.87W (30.85)	
1802 TREE (55-058121) 460947.12N/0891321.59W (30.83)	
1784 TREE (55-050193) 460944.93N/0891311.57W (30.59)	

QUALITY
26
CHECKED



AIRPORT ID KLNL	PROCEDURE NAME RNAV (GPS) RWY 14	AMDT NO. 1	CITY LAND O' LAKES	STATE WI	AIRPORT ELEVATION 1706	FACILITY RNAV
1786 TREE (55-075373) 460945.11N/0891312.90W (30.49)	1805 TREE (55-051309) 460948.78N/0891321.30W (30.26)					<div>QUALITY 26 CHECKED</div>
1785 TREE (55-050099) 460944.86N/0891313.16W (29.76)	1806 TREE (55-057540) 460948.31N/0891323.51W (29.6)					
1803 TREE (55-059618) 460948.50N/0891320.76W (29.6)	1800 TREE (55-067091) 460947.21N/0891321.14W (29.18)					
1793 TREE (55-057557) 460945.42N/0891319.18W (28.88)	1799 TREE (55-051233) 460946.55N/0891321.85W (28.85)					
1805 TREE (55-051619) 460949.03N/0891321.98W (28.81)	1799 TREE (55-051235) 460947.34N/0891320.48W (28.7)					
1793 TREE (55-076800) 460944.82N/0891320.63W (28.48)	1798 TREE (55-051226) 460946.40N/0891321.65W (28.46)					
1799 TREE (55-058119) 460947.74N/0891319.94W (28.43)	1797 TREE (55-050894) 460945.73N/0891322.16W (28.41)					
1792 TREE (55-067003) 460945.21N/0891319.33W (28.19)	1799 TREE (55-053843) 460946.90N/0891321.73W (28.17)					
1796 TREE (55-051006) 460948.27N/0891316.79W (28.12)	1797 TREE (55-057579) 460949.32N/0891315.64W (28.08)					
1788 TREE (55-050127) 460945.69N/0891315.34W (28.06)	1797 TREE (55-051196) 460946.44N/0891321.34W (27.75)					
1801 TREE (55-059615) 460947.94N/0891321.72W (27.72)	1794 TREE (55-053876) 460945.82N/0891320.29W (27.54)					
1798 TREE (55-058118) 460947.30N/0891320.77W (27.43)	1799 TREE (55-076135) 460949.44N/0891317.55W (27.4)					
1790 TREE (55-050974) 460946.53N/0891315.87W (27.4)	1802 TREE (55-051334) 460948.15N/0891322.57W (27.16)					
1784 TREE (55-050207) 460945.70N/0891313.05W (26.91)	1785 TREE (55-050242) 460945.96N/0891313.39W (26.86)					
1779 TREE (55-050399) 460943.61N/0891313.15W (26.74)	1780 TREE (55-050192) 460943.50N/0891314.23W (26.64)					
1799 TREE (55-051026) 460948.35N/0891320.47W (26.32)	1801 TREE (55-057787) 460948.53N/0891321.81W (26.21)					
1797 TREE (55-053962) 460949.70N/0891316.42W (26.2)	1796 TREE (55-059765) 460947.50N/0891319.84W (26.12)					
1796 TREE (55-059764) 460947.03N/0891320.73W (26.12)	1780 TREE (55-050217) 460944.70N/0891312.55W (25.9)					
1772 TREE (55-050143) 460939.57N/0891315.89W (25.87)	1792 TREE (55-053873) 460945.55N/0891320.73W (25.63)					
1795 TREE (55-067122) 460947.50N/0891319.45W (25.61)	1768 TREE (55-050299) 460941.18N/0891310.20W (25.2)					
1797 TREE (55-076803) 460947.74N/0891321.11W (24.96)	1793 TREE (55-076805) 460945.90N/0891321.45W (24.9)					
1784 TREE (55-050169) 460943.85N/0891318.34W (24.66)	1771 TREE (55-050147) 460940.40N/0891314.52W (24.63)					
1800 TREE (55-051339) 460948.71N/0891321.94W (24.62)	1790 TREE (55-051951) 460945.50N/0891320.09W (24.55)					
1799 TREE (55-093679) 460947.11N/0891324.60W (24.08)	1800 TREE (55-051617) 460948.57N/0891322.77W (23.91)					
1794 TREE (55-059793) 460945.80N/0891323.25W (23.87)	1779 TREE (55-050098) 460944.58N/0891313.64W (23.82)					
1797 TREE (55-059617) 460947.71N/0891322.21W (23.65)	1800 TREE (55-051629) 460948.06N/0891324.18W (23.35)					
1798 TREE (55-077370) 460947.75N/0891323.25W (23.25)	1797 TREE (55-052144) 460947.90N/0891322.21W (23.2)					
1765 TOWER (55-023581) 460942.24N/0891307.47W (23.11)	1783 TREE (55-050125) 460946.72N/0891313.36W (23.1)					
1763 TREE (55-050338) 460940.82N/0891308.60W (23.06)	1791 TREE (55-050842) 460945.67N/0891321.81W (22.99)					

AIRPORT ID KLNL	PROCEDURE NAME RNAV (GPS) RWY 14	AMDT NO. 1	CITY LAND O' LAKES	STATE WI	AIRPORT ELEVATION 1706	FACILITY RNAV
1797 TREE (55-077369) 460947.75N/0891322.96W (22.62)			1780 TREE (55-050212) 460945.64N/0891313.43W (22.57)			
1782 TREE (55-081599) 460946.97N/0891312.52W (22.56)			1798 TREE (55-077371) 460948.03N/0891323.30W (22.53)			
1789 TREE (55-058033) 460945.34N/0891321.23W (22.5)			1792 TREE (55-093464) 460945.31N/0891323.94W (22.17)			
1796 TREE (55-052147) 460948.41N/0891321.46W (21.93)			1792 TREE (55-059792) 460945.17N/0891324.41W (21.91)			
1800 TREE (55-052187) 460949.72N/0891322.21W (21.89)			1801 TREE (55-059507) 460952.98N/0891317.04W (21.65)			
1798 TREE (55-051620) 460947.39N/0891325.23W (21.62)			1764 TREE (55-050297) 460941.42N/0891309.57W (21.42)			
1760 TREE (55-049945) 460939.67N/0891309.72W (21.38)			1779 TREE (55-050216) 460945.25N/0891314.45W (21.22)			
1789 TREE (55-050844) 460946.16N/0891320.94W (20.92)			1798 TREE (55-067823) 460951.90N/0891317.42W (20.73)			
1757 TREE (55-052155) 460938.37N/0891310.32W (20.71)			1798 TREE (55-051872) 460948.46N/0891323.95W (20.69)			
1761 TREE (55-050418) 460938.83N/0891312.79W (20.52)			1787 TREE (55-053918) 460945.15N/0891321.58W (20.51)			
1788 TREE (55-064638) 460945.50N/0891321.96W (20.2)			1798 TREE (55-077374) 460948.85N/0891323.65W (20.14)			
1761 TREE (55-050288) 460940.56N/0891309.87W (20.08)			1759 TREE (55-050356) 460941.06N/0891307.34W (20.07)			
1762 TREE (55-050295) 460941.21N/0891309.71W (19.74)			1758 TREE (55-075084) 460939.29N/0891310.22W (19.65)			
1795 TREE (55-051340) 460948.19N/0891322.96W (19.57)			1761 TREE (55-050339) 460940.49N/0891310.42W (19.56)			
1779 TREE (55-050103) 460946.87N/0891312.77W (19.49)			1757 TREE (55-050038) 460940.16N/0891308.04W (19.32)			
1786 TREE (55-076559) 460946.17N/0891319.95W (19.14)			1783 TREE (55-050596) 460947.02N/0891316.14W (18.9)			
1796 TREE (55-067822) 460948.98N/0891322.82W (18.88)			1757 TREE (55-049926) 460938.37N/0891311.84W (18.8)			
1788 TREE (55-051198) 460950.69N/0891313.34W (18.72)			1790 TREE (55-076802) 460947.51N/0891321.03W (18.61)			
1762 TREE (55-050255) 460941.05N/0891310.92W (18.6)			1758 TREE (55-050366) 460941.01N/0891307.82W (18.58)			
1754 TREE (55-051878) 460937.93N/0891310.48W (18.55)			1782 TREE (55-050594) 460947.81N/0891314.19W (18.48)			
1764 TREE (55-075891) 460939.86N/0891314.91W (18.42)			1779 TREE (55-050093) 460947.44N/0891312.59W (18.36)			
1781 TREE (55-066310) 460943.31N/0891322.28W (17.99)			1790 TREE (55-050485) 460947.20N/0891322.31W (17.74)			
1798 TREE (55-093350) 460953.64N/0891316.58W (17.66)			1792 TREE (55-052149) 460947.51N/0891323.42W (17.61)			
1789 TREE (55-053897) 460946.91N/0891322.23W (17.52)			1796 TREE (55-052190) 460952.43N/0891317.41W (17.49)			
1758 TREE (55-050284) 460939.84N/0891310.97W (17.41)			1782 TREE (55-067121) 460945.79N/0891318.90W (17.36)			
1790 TREE (55-051025) 460947.74N/0891321.60W (17.35)			1780 TREE (55-064469) 460948.45N/0891312.37W (17.24)			
1785 TREE (55-057796) 460946.32N/0891320.45W (17.15)			1780 TREE (55-051024) 460946.39N/0891316.41W (17.06)			
1761 TREE (55-050259) 460941.25N/0891311.09W (16.91)			1766 TREE (55-093516) 460940.09N/0891317.35W (16.81)			
1784 TREE (55-066990) 460946.62N/0891319.39W (16.77)			1796 TREE (55-067782) 460953.76N/0891315.48W (16.76)			

QUALITY
26
CHECKED



AIRPORT ID KLNL	PROCEDURE NAME RNAV (GPS) RWY 14	AMDT NO. 1	CITY LAND O' LAKES	STATE WI	AIRPORT ELEVATION 1706	FACILITY RNAV
1794 TREE (55-051871) 460948.25N/0891324.34W (16.7)	1793 TREE (55-057539) 460947.87N/0891324.29W (16.66)		1777 TREE (55-050279) 460947.23N/0891312.80W (16.59)	1794 TREE (55-051874) 460948.65N/0891323.81W (16.42)		1753 TREE (55-052091) 460938.84N/0891309.73W (16.33)
1794 TREE (55-051776) 460952.34N/0891317.14W (16.04)	1783 TREE (55-051076) 460949.10N/0891314.53W (15.99)		1761 TREE (55-050177) 460941.66N/0891311.12W (15.9)	1781 TREE (55-051915) 460947.36N/0891316.44W (15.72)		1799 TREE (55-050727) 460950.76N/0891324.37W (15.71)
1787 TREE (55-076563) 460947.84N/0891320.46W (15.54)	1753 TREE (55-052108) 460938.54N/0891310.81W (15.69)		1750 TREE (55-049831) 460937.37N/0891310.89W (15.36)	1794 TREE (55-094156) 460948.08N/0891325.67W (15.44)		1747 TREE (55-050072) 460936.58N/0891310.11W (15.21)
1748 TREE (55-050311) 460936.68N/0891310.75W (15.17)	1748 TREE (55-050304) 460936.88N/0891310.26W (15.31)		1763 TREE (55-050154) 460941.32N/0891314.00W (15.1)	1787 TREE (55-050438) 460947.21N/0891321.93W (15.19)		1778 TREE (55-057875) 460945.34N/0891318.43W (15.01)
1754 TREE (55-050364) 460939.43N/0891310.70W (14.72)	1790 TREE (55-051335) 460948.29N/0891322.33W (15.13)		1776 TREE (55-051369) 460945.18N/0891318.07W (13.84)	1761 TREE (55-075630) 460940.48N/0891314.03W (15.05)		1787 TREE (55-050486) 460948.03N/0891320.84W (14.61)
1795 TREE (55-064382) 460952.80N/0891318.37W (14.41)	1794 TREE (55-052203) 460949.41N/0891323.53W (14.97)		1756 TREE (55-050345) 460940.44N/0891310.80W (14.2)	1779 TREE (55-050599) 460945.81N/0891318.61W (14.67)		1772 TREE (55-050213) 460944.97N/0891314.74W (14.52)
1776 TREE (55-051369) 460945.18N/0891318.07W (13.84)	1742 BLDG_TWR (55-023621) 460937.45N/0891305.17W (14.35)		1793 TREE (55-052097) 460952.19N/0891318.50W (13.69)	1790 TREE (55-051614) 460949.19N/0891321.51W (14.02)		1795 TREE (55-064382) 460952.80N/0891318.37W (14.41)
1749 ANTENNA (55-093167) 460940.70N/0891305.19W (13.62)	1791 TREE (55-067824) 460948.84N/0891323.21W (13.72)		1770 TREE (55-050415) 460945.14N/0891313.69W (13.43)	1780 TREE (55-075371) 460949.72N/0891312.83W (13.66)		1756 TREE (55-050345) 460940.44N/0891310.80W (14.2)
1789 TREE (55-066208) 460948.61N/0891322.40W (13.28)	1751 TREE (55-075368) 460937.94N/0891312.13W (13.45)		1778 TREE (55-051908) 460947.05N/0891316.61W (13.24)	1745 TREE (55-049794) 460938.44N/0891306.46W (13.38)		1757 TREE (55-050260) 460941.12N/0891311.34W (12.91)
1756 TREE (55-050247) 460939.39N/0891313.63W (13.14)	1789 TREE (55-051260) 460951.13N/0891317.67W (13.24)		1765 TREE (55-093116) 460944.93N/0891310.40W (13.06)	1757 TREE (55-075367) 460940.81N/0891311.67W (13.23)		1776 TREE (55-057555) 460947.96N/0891313.96W (12.41)
1739 POLE (55-023561) 460936.09N/0891306.96W (12.32)	1749 TREE (55-051916) 460937.64N/0891311.41W (13.07)		1757 TREE (55-050260) 460941.12N/0891311.34W (12.91)	1791 TREE (55-052178) 460952.25N/0891317.41W (12.91)		1765 TREE (55-093116) 460944.93N/0891310.40W (13.06)
	1767 TREE (55-050218) 460943.60N/0891314.67W (12.85)		1745 TREE (55-050342) 460939.05N/0891305.79W (12.78)	1790 TREE (55-051773) 460951.46N/0891318.26W (12.72)		1757 TREE (55-050260) 460941.12N/0891311.34W (12.91)
	1790 TREE (55-051773) 460951.46N/0891318.26W (12.72)		1765 TREE (55-050400) 460943.49N/0891313.40W (12.71)	1773 TREE (55-050087) 460947.39N/0891312.59W (12.48)		1776 TREE (55-057555) 460947.96N/0891313.96W (12.41)
	1773 TREE (55-050087) 460947.39N/0891312.59W (12.48)			1790 TREE (55-066299) 460948.23N/0891324.64W (12.37)		
	1760 TREE (55-050153) 460941.05N/0891314.35W (12.3)					

QUALITY
26
CHECKED

AIRPORT ID KLNL	PROCEDURE NAME RNAV (GPS) RWY 14	AMDT NO. 1	CITY LAND O' LAKES	STATE WI	AIRPORT ELEVATION 1706	FACILITY RNAV
1779 TREE (55-057795) 460946.28N/0891319.64W (12.27)	1751 TREE (55-050354) 460939.22N/0891310.72W (12.19)					
1747 TREE (55-049832) 460939.30N/0891307.46W (12.09)	1742 POLE (55-023565) 460938.93N/0891304.20W (12.06)					
1791 TREE (55-052198) 460948.85N/0891324.56W (12)	1790 TREE (55-052179) 460952.01N/0891317.89W (11.88)					
1744 TREE (55-050341) 460938.51N/0891306.82W (11.76)	1791 TREE (55-051387) 460952.38N/0891318.26W (11.54)					
1787 TREE (55-077376) 460947.81N/0891323.81W (11.41)	1755 TREE (55-050256) 460940.69N/0891311.95W (11.16)					
1750 TREE (55-050363) 460940.55N/0891308.45W (10.88)	1738 POLE (55-023562) 460936.30N/0891306.97W (10.81)					
1750 TREE (55-075370) 460938.33N/0891312.83W (10.65)	1779 TREE (55-050847) 460947.08N/0891319.51W (10.53)					
1790 TREE (55-051389) 460952.65N/0891317.83W (10.44)	1788 TREE (55-057427) 460948.04N/0891324.95W (10.43)					
1768 TREE (55-050215) 460943.81N/0891317.00W (10.43)	1787 TREE (55-066148) 460951.90N/0891316.88W (10.41)					
1765 TREE (55-093193) 460944.54N/0891313.27W (10.38)	1797 TREE (55-050697) 460950.94N/0891326.80W (10.24)					
1742 TREE (55-050073) 460937.61N/0891308.20W (10.17)	1751 TREE (55-050287) 460940.23N/0891310.45W (10.13)					
1779 TREE (55-050627) 460949.63N/0891315.03W (10.11)	1787 TREE (55-051854) 460951.56N/0891317.77W (10.1)					
1770 TREE (55-050130) 460945.55N/0891315.73W (9.9)	1750 TREE (55-050329) 460941.68N/0891307.12W (9.87)					
1776 TREE (55-053871) 460946.09N/0891319.54W (9.84)	1787 TREE (55-051869) 460951.44N/0891318.21W (9.83)					
1753 TREE (55-050249) 460940.38N/0891312.00W (9.83)	1790 TREE (55-076349) 460952.59N/0891318.44W (9.82)					
1746 TREE (55-052153) 460937.55N/0891311.83W (9.75)	1746 TREE (55-052154) 460940.23N/0891306.78W (9.74)					
1767 TREE (55-050210) 460943.88N/0891316.65W (9.71)	1768 TREE (55-050245) 460944.96N/0891315.40W (9.71)					
1737 POLE (55-023563) 460937.92N/0891304.11W (9.56)	1788 TREE (55-052189) 460951.82N/0891318.54W (9.52)					
1754 TREE (55-050267) 460940.81N/0891312.25W (9.5)	1777 TREE (55-064637) 460946.85N/0891319.17W (9.5)					
1787 TREE (55-051873) 460951.79N/0891317.82W (9.49)	1745 TREE (55-051879) 460940.12N/0891306.39W (9.49)					
1754 TREE (55-050268) 460941.47N/0891311.03W (9.47)	1795 TREE (55-077831) 460950.75N/0891326.23W (9.4)					
1741 TREE (55-049795) 460937.50N/0891308.26W (9.35)	1790 TREE (55-093374) 460954.35N/0891315.51W (9.32)					
1783 TREE (55-052143) 460950.28N/0891317.69W (9.23)	1784 TREE (55-051310) 460951.44N/0891316.31W (9.21)					
1773 TREE (55-050593) 460946.69N/0891316.55W (9.17)	1784 TREE (55-051336) 460947.98N/0891322.92W (9.12)					
1788 TREE (55-052196) 460952.38N/0891317.82W (9.09)	1789 TREE (55-051392) 460949.64N/0891323.83W (9.05)					
1785 TREE (55-051615) 460948.02N/0891323.72W (9.02)	1788 TREE (55-059505) 460949.52N/0891323.38W (8.9)					
1770 TREE (55-050097) 460945.94N/0891315.86W (8.81)	1753 TREE (55-050265) 460941.04N/0891311.70W (8.65)					
1744 TREE (55-078287) 460939.86N/0891306.82W (8.56)	1772 TREE (55-050740) 460946.47N/0891316.76W (8.43)					
1769 TREE (55-050090) 460947.18N/0891313.12W (8.31)	1781 TREE (55-051817) 460950.88N/0891315.71W (8.29)					



AIRPORT ID KLNL	PROCEDURE NAME RNAV (GPS) RWY 14	AMDT NO. 1	CITY LAND O' LAKES	STATE WI	AIRPORT ELEVATION 1706	FACILITY RNAV
1766 BUILDING (55-023629) 460942.75N/0891319.31W (8.05)			1784 TREE (55-051618) 460948.86N/0891322.24W (7.89)			
1753 TREE (55-050179) 460940.15N/0891314.10W (7.74)			1726 POLE (55-023552) 460935.59N/0891301.40W (7.48)			
1779 TREE (55-064493) 460948.99N/0891318.35W (7.46)			1764 TREE (55-050278) 460945.30N/0891313.38W (7.44)			
1769 TREE (55-059880) 460947.29N/0891313.65W (7.39)			1789 TREE (55-050879) 460953.36N/0891318.12W (7.39)			
1769 TREE (55-064571) 460947.50N/0891313.26W (7.38)			1775 TREE (55-051004) 460949.16N/0891314.94W (7.34)			
1771 TREE (55-066247) 460946.44N/0891316.93W (7.29)			1754 TOWER (55-023583) 460943.90N/0891308.27W (7.17)			
1783 TREE (55-094188) 460950.37N/0891319.19W (7.14)			1773 TREE (55-053870) 460948.20N/0891315.37W (7.07)			
1745 TREE (55-050040) 460939.95N/0891308.71W (6.98)			1777 TREE (55-051232) 460948.97N/0891317.25W (6.89)			
1793 TREE (55-066992) 460950.86N/0891326.47W (6.84)			1760 TREE (55-094016) 460944.74N/0891311.78W (6.78)			
1766 TREE (55-050168) 460945.38N/0891315.42W (6.69)			1725 TREE (55-049754) 460934.62N/0891303.07W (6.69)			
1745 TREE (55-049944) 460939.44N/0891309.96W (6.62)			1783 TREE (55-051621) 460950.47N/0891319.45W (6.57)			
1778 TREE (55-053896) 460950.32N/0891315.79W (6.52)			1763 TREE (55-050277) 460945.44N/0891313.10W (6.46)			
1746 TREE (55-075365) 460939.21N/0891311.38W (6.38)			1762 TREE (55-075894) 460943.92N/0891315.32W (6.28)			
1751 TREE (55-075366) 460941.31N/0891311.52W (6.23)			1763 TREE (55-075893) 460944.49N/0891315.18W (6.1)			
1774 TREE (55-057577) 460947.15N/0891319.05W (5.94)			1736 TREE (55-050336) 460937.16N/0891307.65W (5.92)			
1748 TREE (55-050281) 460940.90N/0891310.17W (5.9)			1736 TREE (55-050344) 460935.98N/0891309.91W (5.88)			
1732 TREE (55-077623) 460937.22N/0891304.39W (5.87)			1764 TREE (55-050243) 460944.59N/0891316.03W (5.8)			
1764 TREE (55-050246) 460944.18N/0891316.91W (5.67)			1729 TREE (55-050122) 460936.97N/0891302.66W (5.63)			
1772 TREE (55-053919) 460948.24N/0891315.77W (5.48)			1785 TREE (55-051390) 460949.99N/0891322.94W (5.33)			
1762 TREE (55-075369) 460945.82N/0891312.53W (5.28)			1781 TREE (55-077630) 460947.62N/0891324.39W (5.13)			
1732 TREE (55-050353) 460938.10N/0891303.41W (5.01)			1767 TREE (55-051366) 460945.01N/0891318.26W (5.01)			
1742 TREE (55-052109) 460939.25N/0891309.42W (4.75)			1772 TREE (55-066991) 460949.30N/0891314.38W (4.71)			
1758 TREE (55-093672) 460943.14N/0891314.87W (4.69)			1780 TREE (55-057788) 460950.14N/0891319.26W (4.59)			
1757 TREE (55-093785) 460944.96N/0891310.80W (4.48)			1733 TREE (55-093367) 460938.18N/0891304.53W (4.42)			
1789 TREE (55-067136) 460954.99N/0891317.48W (4.33)			1727 TREE (55-049781) 460935.60N/0891304.72W (4.3)			
1783 TREE (55-077633) 460948.54N/0891324.94W (4.26)			1769 TREE (55-051910) 460947.88N/0891315.11W (4.16)			
1729 POLE (55-023559) 460937.18N/0891303.47W (4.12)			1778 TREE (55-067107) 460947.09N/0891323.83W (4.09)			
1762 TREE (55-050240) 460944.97N/0891315.11W (4.05)			1776 TREE (55-057575) 460948.30N/0891320.04W (3.98)			
1731 TREE (55-093814) 460937.80N/0891304.21W (3.72)			1734 TREE (55-093400) 460938.06N/0891306.12W (3.71)			

QUALITY
26
CHECKED

QUALITY
26
CHECKED

AIRPORT ID KLNL	PROCEDURE NAME RNAV (GPS) RWY 14	AMDT NO. 1	CITY LAND O' LAKES	STATE WI	AIRPORT ELEVATION 1706	FACILITY RNAV
1740 POLE (55-023573) 460940.10N/0891307.12W (3.62)	1788 TREE (55-051294) 460950.27N/0891326.17W (3.62)					
1764 TREE (55-050280) 460944.84N/0891317.32W (3.59)	1785 TREE (55-050877) 460949.47N/0891325.42W (3.45)					
1776 TREE (55-077075) 460947.08N/0891322.77W (3.44)	1735 POLE (55-023567) 460938.16N/0891307.06W (3.29)					
1746 TREE (55-093558) 460940.56N/0891311.37W (3.2)	1741 TREE (55-050039) 460937.88N/0891312.49W (3.14)					
1810 TREE (55-057891) 460955.44N/0891334.47W (2.95)	1780 TREE (55-051868) 460949.17N/0891322.49W (2.84)					
1718 TREE (55-052072) 460934.24N/0891301.28W (2.83)	1738 TREE (55-049834) 460937.29N/0891311.47W (2.82)					
1726 TREE (55-081447) 460935.99N/0891304.37W (2.81)	1719 TRAVERSE_WAY (55-049869) 460933.53N/0891303.44W (2.81)					
1723 TREE (55-081528) 460936.16N/0891301.70W (2.76)	1782 TREE (55-052098) 460948.82N/0891324.92W (2.62)					
1759 TREE (55-050276) 460944.09N/0891315.58W (2.55)	1767 TREE (55-050600) 460946.75N/0891316.99W (2.48)					
1739 TREE (55-052182) 460940.79N/0891306.08W (2.29)	1741 POLE (55-023576) 460941.08N/0891307.14W (2.27)					
1777 TREE (55-051333) 460949.74N/0891319.55W (2.18)	1776 TREE (55-076562) 460948.92N/0891320.32W (2.16)					
1742 TREE (55-050337) 460938.62N/0891312.67W (2.16)	1785 TREE (55-050673) 460949.55N/0891326.32W (2.14)					
1739 TREE (55-052093) 460938.34N/0891310.84W (2.12)	1787 TREE (55-053924) 460954.04N/0891319.44W (2.12)					
1772 TREE (55-077072) 460946.19N/0891322.35W (2.08)	1789 TREE (55-050632) 460955.25N/0891318.78W (2.08)					
1775 TREE (55-059594) 460950.74N/0891316.15W (2.07)	1779 TREE (55-051866) 460951.21N/0891318.49W (2.02)					
1732 TREE (55-077622) 460938.91N/0891304.28W (2)	1741 POLE (55-023577) 460941.87N/0891305.86W (2)					
1776 TREE (55-067108) 460950.49N/0891317.48W (2)	1799 TREE (55-066149) 460953.29N/0891330.53W (1.99)					
1731 TREE (55-050360) 460937.22N/0891306.69W (1.98)	1738 TREE (55-052151) 460939.86N/0891307.35W (1.9)					
1757 TREE (55-050158) 460943.81N/0891315.03W (1.9)	1740 POLE (55-094135) 460941.11N/0891306.58W (1.9)					
1785 TREE (55-050729) 460951.85N/0891322.17W (1.89)	1770 TREE (55-050845) 460949.50N/0891314.72W (1.81)					
1730 TREE (55-050238) 460936.86N/0891306.71W (1.81)	1790 TREE (55-051086) 460956.52N/0891317.43W (1.77)					
1766 TREE (55-075632) 460947.90N/0891314.62W (1.72)	1739 TREE (55-052095) 460938.22N/0891311.39W (1.72)					
1772 TREE (55-051236) 460948.85N/0891317.69W (1.62)	1745 TREE (55-093728) 460941.56N/0891309.95W (1.61)					
1771 TREE (55-059418) 460949.67N/0891315.41W (1.54)	1736 TREE (55-050369) 460939.03N/0891307.63W (1.52)					
1746 TREE (55-050266) 460940.15N/0891313.49W (1.51)	1759 TREE (55-050214) 460944.45N/0891315.76W (1.47)					
1761 TREE (55-050105) 460945.23N/0891315.89W (1.46)	1768 TREE (55-075892) 460948.69N/0891315.03W (1.34)					
1735 TREE (55-094003) 460939.89N/0891305.41W (1.26)	1754 TREE (55-050403) 460943.49N/0891313.76W (1.25)					
1789 TREE (55-059795) 460952.56N/0891324.57W (1.2)	1763 TREE (55-051367) 460946.14N/0891316.13W (1)					
1735 POLE (55-092956) 460939.13N/0891307.06W (0.99)	1785 TREE (55-066371) 460950.28N/0891325.86W (0.98)					

QUALITY
26
CHECKED

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KLNL	RNAV (GPS) RWY 14	1	LAND O' LAKES	WI	1706	RNAV
1735 TREE (55-078001) 460939.86N/0891305.75W (0.91)	1760 TREE (55-050166) 460944.55N/0891316.84W (0.88)					
1740 TREE (55-093719) 460938.24N/0891312.86W (0.83)	1780 TREE (55-059506) 460949.70N/0891323.09W (0.83)					
1717 TREE (55-049870) 460934.80N/0891301.04W (0.81)	1774 TREE (55-051822) 460950.01N/0891317.80W (0.73)					
1732 TREE (55-094123) 460937.64N/0891307.73W (0.68)	1770 TREE (55-081419) 460948.46N/0891317.60W (0.66)					
1775 TREE (55-058004) 460950.73N/0891317.34W (0.6)	1757 TREE (55-050131) 460944.21N/0891315.35W (0.55)					
1756 TREE (55-050102) 460944.02N/0891314.99W (0.46)	1765 TREE (55-064417) 460948.18N/0891314.30W (0.46)					
1761 TREE (55-050089) 460945.47N/0891316.26W (0.43)	1773 TREE (55-050488) 460950.16N/0891316.99W (0.39)					
1719 TREE (55-049988) 460935.52N/0891301.63W (0.36)	1722 TRAVERSE_WAY (55-081615) 460936.61N/0891301.99W (0.33)					
1720 TREE (55-049809) 460935.26N/0891303.02W (0.23)	1784 TREE (55-051270) 460952.12N/0891322.19W (0.23)					
1779 TREE (55-052194) 460950.06N/0891322.09W (0.23)	1780 TREE (55-051391) 460952.21N/0891318.89W (0.15)					
1735 TREE (55-049833) 460939.06N/0891307.93W (0.07)						

PENETRATIONS REMARKS:

ALL 20:1 PENETRATIONS ARE LIGHTED

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.

TAA NOT UTILIZED PER ZMP. PORTIONS OF IAF (COTMO), HOLDING, INTERMEDIATE AND FEEDER ROUTE (DINER) OVERLAP BIG BEAR MOA, COORDINATED WITH ATC.

FOR CONTINGENCY PURPOSES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EAGLE RIVER ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET.

RWY 05-23 TURF WITH NO MARKINGS OR LIGHTS

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ORDER 8260.3 CHAPTER 2 APPLIED TO 2069 AAO 461311.32N/0891506.79W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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	2.13
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	142.66
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1900
DISTANCE FROM	THLD	TO 1500FT POINT	3.93
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	142.66
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1900

THRESHOLD
COORDINATES
(IF STR-IN) 460929.25N/0891258.16W

ARP COORDINATES 460914.82N/0891243.07W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 14 DISTANCE 0.33 NM

FAF
COORDINATES 461246.23N/0891634.34W

FIX NAME
COORDINATES

REMARKS
NO ADDITIONAL AIRSPACE REQUIRED
THLD DISPLACED 201FT, ACTUAL COORDINATES: 460930.82N/0891259.89W.



PART E: PREPARED BY

<u>NAME</u> JOHN LINDSEY	<u>OFFICE</u> AJV-A423	<u>DATE</u> 08/16/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
-----------------------------	---------------------------	---------------------------	---

