

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.29**

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>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
FNL	ILS OR LOC RWY 33	8	FORT COLLINS/LOVELAND	CO	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
5020	5020	ILS OR LOC RWY 33	03/24/2022	9E	2010
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>	
I-FNL			ROUTINE		

**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>
GLL VOR/DME		IMOMY INT/DVV 26.19 DME/RADAR					217.17	22.30	7600
DVV VORTAC	IAF	IMOMY INT/DVV 26.19 DME/RADAR	NOPT				320.07	26.19	7600
IMOMY INT/DVV 26.19 DME/RADAR	IF/IAF	CONRY INT/RADAR					331.44 (I-FNL)	5.72	6800

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 5.43 NM AFTER CONRY INT/RADAR

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 5700, THEN CLIMBING RIGHT TURN TO 8000 DIRECT GLL VOR/DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD SE IMOMY INT/DVV 26.19 DME/RADAR, RT, 331.44 INBOUND, 7600 IN LIEU OF PT (IAF), MAX 9400.				
3.	FAC: 331.44	FAF: CONRY INT/RADAR	DIST FAF TO MAP: 5.43	DIST FAF TO THLD: 5.43	
4.	MIN ALT: IMOMY INT/DVV 26.19 DME/RADAR 7600, CONRY INT/RADAR 6800				
5.	DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	GS ANT: 1025
6.	MIN GS INCPT: 6800	GS ALT AT PFAF: CONRY INT/RADAR 6800	OM:	MM:	IM:
7.	GS ANGLE: 3.00	34:1:	20:1:	TCH: 50.7	
8.	MSA FROM: GLL VOR/DME 180-360 8100, 360-180 6900				



**NOTES:**

CHART NOTE: CIRCLING RWY 24 NA AT NIGHT.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GLL VOR/DME AIRWAY RADIALS 221 CW 258.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DLL VORTAC AIRWAY RADIALS 267 CW 314.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 33 CAT C/D VISIBILITY TO 1 3/8 SM.

**ADDITIONAL FLIGHT DATA:**

HOLD NE, RT, 205.00 INBOUND.  
FAS OBST: 5250 AAO 402054N/1045851W.

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 33	5220	1/2	200	5220	1/2	200	5220	1/2	200	5220	1/2	200			
S-LOC 33	5500	1/2	480	5500	1/2	480	5500	1	480	5500	1	480			
CIRCLING	5500	1	480	5520	1	500	5520	1 1/2	500	5700	2 1/4	680			

**CHANGES - REASONS**

1. TERMINAL ROUTES: REMOVED FEEDER ROUTE "FROM GLL VOR TO CONRY" AND ASSOCIATED DATA - PER ATC REQUEST
2. TERMINAL ROUTES: REMOVED HILPT AT "CONRY" AND ASSOCIATED DATA - PER ATC REQUEST
3. TERMINAL ROUTES: CHANGED INITIAL APPROACH FIX "CONRY" TO FINAL APPROACH FIX- CHANGED TO ILS PFAF PER ATC REQUEST
4. TERMINAL ROUTES: ADDED INITIAL "FROM DVV VORTAC TO IMOMY" - PER ATC REQUEST
5. TERMINAL ROUTES: ADDED INTERMEDIATE FIX TO "IMOMY" - PER ATC REQUEST
6. TERMINAL ROUTES: ADDED FEEDER ROUTES "FROM GLL VOR TO IMOMY" - PER ATC REQUEST
7. TERMINAL ROUTES: ADDED HIL AT IMOMY - PER ATC REQUEST
8. TERMINAL ROUTES: REMOVED FIX "CFFRK." - PER ATC REQUEST
9. NOTES: ADDED PROCEDURE NA NOTES AT DVV. - PROPER ATC VECTORS IAW 8260.3F 2-2-9. C.
10. NOTES: UPDATED CHART NOTE TO "FOR INOPERATIVE ALS, INCREASE S-LOC 33 CAT C/D VISIBILITY TO 1 3/8 SM." IAW 8290.19J 8-6-12.

**AIRPORT ID**  
FNL

**PROCEDURE NAME**  
ILS OR LOC RWY 33

**ORIGINAL/AMENDMENT**  
8

**CITY**  
FORT COLLINS/LOVELAND

**STATE**  
CO

**COORDINATED WITH:**

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

**OTHER:** ZDV ARTCC, DEN TRACON, AMGR

**FLIGHT CHECKED BY**

**OFFICE**

**DATE**

**DEVELOPED BY**

ALLAN WILL (THOMAS KUKLISH)

**OFFICE**

AJV-A33

**DATE**

06/17/2025

**APPROVED BY**

KYLE THOMPSON

**OFFICE**

AJV-A33

**DATE**

**TITLE**

MANAGER



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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
FNL	ILS OR LOC RWY 33	8	FORT COLLINS/LOVELAND	CO	5020	I-FNL

## PART A: OBSTRUCTION DATA SEGMENTS

### FEEDER

**FROM** GLL VOR/DME **TO** IMOMY INT/DVV 26.19 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u> 22.30	<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 (08-000186)	402242.36N/1044957.91W	5335	20	3	1A	2000				AT265	7600
TERRAIN	401724.00N/1045712.00W	5059 (5100)								AS1500	6600

### COMPUTATIONS

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

### SEGMENT REMARKS:

### INITIAL

**FROM** DVV VORTAC **TO** IMOMY INT/DVV 26.19 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u> 26.19	<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 (08-001212)	400557.00N/1045350.00W	6249	250	50	4D	1000				SA-542 AT893	7600
TERRAIN	395306.00N/1044045.00W	5403 (5400)								AS1500	6900

### COMPUTATIONS

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

### SEGMENT REMARKS:

QUALITY  
6  
CHECKED

INTERMEDIATE

FROM

IMOMY INT/DVV 26.19 DME/RADAR (IF/IAF)

TO

CONRY INT/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.72										
<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	401612.00N/1045918.00W	5361	215	8	4B	500				AT939	6800
TERRAIN	401612.00N/1045918.00W	5160 (5200)								AS1500	6700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS

FROM

CONRY INT/RADAR

TO

RW33

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.43		DA				200				
<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>
							ASC				5220

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

CONRY INT/RADAR

TO

5.43 NM AFTER CONRY INT/RADAR

RNP

DISTANCE

PAT

MAP

HAT

HMAS

5.43

5.43 NM AFTER CONRY INT/RADAR

480

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	402054.00N/1045851.00W	5250	215	8	4B	250					5500

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

IMOMY INT/DVV 26.19 DME/RADAR

TO

P-9

RNP

DISTANCE

PAT

MAP

HAT

HMAS

P-9

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (08-000677)	400547.29N/1045405.94W	6260	20	3	1A	1000				AT340	7600
TERRAIN	400142.00N/1044530.00W	5223 (5200)								AS1500	6700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM

DA

TO

GLL VOR/DME

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
						5055					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				8000
AAO	403512.00N/1044948.00W	5407	215	8	4B	1000					6500
TERRAIN	403600.00N/1045012.00W	5183 (5200)								AS1500	6700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM

5.43 NM AFTER CONRY INT/RADAR

TO

GLL VOR/DME

RNP	DISTANCE	PAT	MAP		HAT	HMAS					
						5250					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				8000
AAO	403512.00N/1044948.00W	5407	215	8	4B	1000					6500
TERRAIN	403600.00N/1045012.00W	5183 (5200)								AS1500	6700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID

FNL

PROCEDURE NAME

ILS OR LOC RWY 33

AMDT NO.

8

CITY

FORT COLLINS/LOVELAND

STATE

CO

AIRPORT ELEVATION

5020

FACILITY

I-FNL

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											
BUILDING (08-081282)	402627.40N/1045925.80W	1.39	480	5168	20	3	1A	300		SI	5500
CATEGORY B											
WATER_TOWER (08-081167)	402607.79N/1045826.65W	2.00	500	5220	20	10	1B	300			5520
CATEGORY C											
WATER_TOWER (08-081167)	402607.79N/1045826.65W	3.16	500	5220	20	10	1B	300			5520
CATEGORY D											
AAO	402821.00N/1051057.00W	4.14	680	5391	215	8	4B	300			5700

CIRCLING REMARKS:

MSA

CENTER  
GLL VOR/DME

RADIUS  
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
180-360	AAO	402951.00N/1051057.00W	256	28.8	7067	215	8	4B	1000			8100
360-180	WINDMILL (08-020079)	405014.06N/1040548.82W	033	28.9	5838	250	50	4D	1000			6900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZDV ARTCC, DEN APP CON

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> FNL	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> FNL	<u>DISTANCE</u>	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> DEN	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> DEN	<u>DISTANCE</u> 38.68	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 147

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME  
KFNL 5020, KDEN 5434  
RA = 146.8.

<u>PRIMARY NAVAID</u> I-FNL	<u>MONITOR POINT</u> ATCT	<u>HRS OPERATION</u> OPEN CLOSED	<u>CAT</u> 1 3
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW06	BSC-G	
RW24	BSC-G	
RW15 - REIL (PCL), HIRL (PCL), PAPI-4L	PIR-G	
RW33 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 5020.3	<u>TCH</u> 50.7	<u>ELEV GS ANTENNA</u> 5011.0	<u>DISTANCE FROM RWY</u> 1025	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 52.4
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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>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 24
20:1	
5026 BUILDING (08-081182) 402722.09N/1050003.90W (0.44)	
<u>PENETRATIONS REMARKS:</u>	



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 - DME SOURCE NOT AVAILABLE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

66 FT VEGETATION USED PER FPT.

NO SUITABLE ALTERNATE MISSED APPROACH AVAILABLE PER FPT.

CONTINGENCY NOTES:  
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DEN ALTIMETER SETTING: INCREASE DA TO 5367 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 160 FEET AND S-LOC 33 VISIBILITY CATS C AND D 3/8 SM AND CIRCLING VISIBILITY CATS C/D 1/2 SM.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #NOT REQUIRED

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	2.92
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.85
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	340.44
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	5000
DISTANCE FROM	THLD	TO 1500FT POINT	4.83
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.26
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	340.44
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	5000

THRESHOLD COORDINATES (IF STR-IN)	402625.07N/1050025.85W
ARP COORDINATES	402706.54N/1050040.77W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	
FAF COORDINATES	402117.93N/1045803.24W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ALLAN WILL (THOMAS KUKLISH)	AJV-A33	06/17/2025	AERONAUTICAL INFORMATION SPECIALIST

