

**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> KFNL | <u>PROCEDURE NAME</u> ILS OR LOC RWY 33 | <u>ORIGINAL/AMENDMENT</u> 7 | <u>CITY</u> FORT COLLINS/LOVELAND | <u>STATE</u> CO | | |
| <u>AIRPORT ELEVATION</u> 5020 | <u>TDZE</u> 5020 | <u>SUPERSEDED</u> ILS OR LOC RWY 33 | <u>ORIGINAL/AMENDMENT</u> 6D | <u>DATED</u> 01/30/2020 | <u>MAG VAR</u> 9E | <u>EPOCH YEAR</u> 2010 |
| <u>FACILITY</u> I-FNL | <u>COORDINATES OF FACILITIES</u> | <u>ACTUAL EFFECTIVE DATE</u> 24 MARCH 2022 | <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> |
|-------------|-----------------|-----------------|-----------------|-----------------|--------------|------------|---------------|-----------------|-----------------|
| GLL VOR/DME | | CONRY INT/RADAR | | | | | 231.96 | 20.99 (GLL) | 7400 |

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:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE CONRY, RT, 331.44 INBOUND, 6800 FT. IN LIEU OF PT (FAF/IAF), MAX 8000.
- FAF: 331.44 FAF: CONRY INT/RADAR DIST FAF TO MAP: 5.43 DIST FAF TO THLD: 5.43
- MIN ALT: CONRY INT/RADAR 6800
- DIST TO THLD FROM FAF: 5.43 MM: IM: 150 HAT: GS ANT: 1025
- MIN GS INCPT: 6800 GS ALT AT PFAF: CONRY INT/RADAR 6800 OM: MM: IM:
- GP ANGLE: 3.00 34:1 20:1 TCH: 50.7
- MSA FROM: GLL VOR/DME 8100

EQUIPMENT REQUIREMENTS NOTES:

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.



ADDITIONAL FLIGHT DATA:

CHART GLL 20.99 DME AT CONRY.
CHART IN PLANVIEW: (CFFRX) AT 401537.58N/1045525.65W.
HOLD NE, RT, 205.00 INBOUND.
FAS OBST: 5236 AAO 402125N/1045837W.
CHART CIRCLING ICON.

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 800-2 1/4, 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 |
| 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. INCORPORATED CHANGES FROM P-NOTAM FOR A6B, A6C, AND A6D INTO FORM.
2. AIRPORT ELEVATION AND TDZE: UPDATED FROM 5016" TO "5020" - UPDATED AIRPORT DATA.
3. TERMINAL ROUTES: CHANGED FROM "GLL VOR/DME TO COLLN LOM/RADAR" TO "GLL VOR/DME TO CONRY INT/RADAR" AND COURSE/DME FROM "233.38/20.94" TO "231.96/20.99" - COLLN LOM DECOMMISSIONED, NEW FAF.
4. MISSED APPROACH: CHANGED LOC MAP FROM "4.91 NM AFTER COLLN LOM/RADAR" TO "5.43 NM AFTER CONRY INT/RADAR" - NEW FAF FIX AND LOCATION.
5. MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 5700 THEN CLIMBING RIGHT TURN TO 7000 DIRECT COLLN LOM AND HOLD" TO "CLIMB TO 5700 THEN CLIMBING RIGHT TURN TO 8000 DIRECT GLL VOR/DME AND HOLD" - COLLN LOM DECOMMISSIONED.
6. MISSED APPROACH INSTRUCTIONS: REMOVED ALTERNATE MISSED APPROACH INSTRUCTIONS - PER FPT.
7. PROFILE LINE 1: REMOVED ALL DATA - REMOVED PT, REPLACED WITH HILPT.
8. PROFILE LINE 2: ADDED "HOLD SE CONRY, RT, 331.44 INBOUND, 6800 FT. IN LIEU OF PT (FAF/IAF), MAX 8000" - ESTABLISHED HILPT AT CONRY.
9. PROFILE LINE 3: CHANGED FAF FROM "COLLN LOM/RADAR" TO "CONRY INT/RADAR," UPDATED DIST FAF TO MAP AND DIST FAF TO THLD FROM "4.91" TO "5.43" - NEW FAF FIX AND LOCATION.
10. PROFILE LINE 4: CHANGED MIN ALT FROM "COLLN LOM/RADAR 6800" TO "CONRY INT/RADAR 6800" - NEW FAF.
11. PROFILE LINE 5: CHANGED FROM "DIST TO THLD FROM OM: 4.91" TO "DIST TO THLD FROM FAF 5.43," UPDATED GS ANT FROM "1024" TO "1025" - NEW FAF FIX, COLLN LOM DECOMMISSIONED.
12. PROFILE LINE 6: REMOVED OM 6652 AND ADDED GS ALT AT FAF: CONRY INT/RADAR 6800 - NEW FAF FIX, COLLN LOM DECOMMISSIONED.
13. PROFILE LINE 8: UPDATED MSA FROM "FN OM 190-340 13600, 340-190 7300" TO "GLL VOR/DME 8100" - COLLN LOM DECOMMISSIONED.
14. NOTES: REMOVED CHART NOTES "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DENVER INTL ALTIMETER SETTING AND INCREASE ALL DA 147 FEET AND ALL MDA 160 FEET. INCREASE S-ILS 33 VISIBILITY ALL CATS 1/4 MILE, S-LOC 33 CAT C/D VISIBILITY 1/2 MILE, AND CIRCLING CAT C/D VISIBILITY 1/4 MILE" AND "FOR INOPERATIVE ALS, WHEN USING DENVER INTL ALTIMETER SETTING INCREASE S-ILS 33 VISIBILITY ALL CATS TO 1 1/4 MILE" - UPDATED AND MOVED TO GENERAL REMARKS. PRIMARY ALTIMETER ON WMSCR, BACK UP MADE CONTINGENCY IAW 8260.19I 8-6-9 F(3).
15. NOTES: REMOVED "CHART NOTE: ADF OR RADAR REQUIRED" - FAF IS NOW AN INTERSECTION FIX, LOM DECOMMISSIONED, IAW 8260.19I 8-6-8 A.
16. NOTES: UPDATED CHART NOTE FROM "CIRCLING TO RWY 06/24 NA AT NIGHT" TO "CIRCLING TO RWY 24 NA AT NIGHT" - NVG SURVEY DATA YIELDS NO PENETRATIONS AND ANALYSIS OF SATELLITE IMAGERY SHOWS NO VEGETATION/TREES WITHIN THE RWY 6 CIRCLING VISUAL AREA.
17. NOTES: ADDED "PROCEDURE NA FOR ARRIVAL ON GLL VOR/DME AIRWAY RADIALS 221 CW 258" - IAW 8260.19I 8-2-5- E, TO ELIMINATE TURNS GREATER THAN 120 DEGREES.
18. ADDITIONAL FLIGHT DATA: REMOVED "CHART MAXIMUM 10000 AT COLLN LOM," "CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE GLL VOR/DME, RT, 205.00 INBOUND" - COLLN LOM DECOMMISSIONED, ALTERNATE MA REMOVED, REMOVED PT, NO LONGER REQUIRED.
19. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM "HOLD SE, RT, 331.44 INBOUND" TO "HOLD NE, RT, 205.00 INBOUND" - NEW MA HOLDING.
20. ADDITIONAL FLIGHT DATA: FROM "UPDATED CHART FAS OBST 5129 TREE 402554N/1045957W" TO "FAS OBST: 5236 AAO 402130N/1045837W" - NEW FAF LOCATION, RELOCATED 7:1 AREAS, NEW MAP STUDY.
21. MINIMUMS: ALTERNATE: CHANGED FROM "NA" TO "ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE; LOC: STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE"- PRIMARY ALTIMETER IS ON FIELD AND WMSCR, FAC MONITORING IS NOW FULL TIME.
22. MINIMUMS: UPDATED S-ILS 33 DA FROM "5216" TO "5220" - UPDATED TDZE ELEVATION.
23. MINIMUMS: UPDATED S-LOC 33 MDA/HAT FROM "5380/364" TO "5500/480" - NEW FAF AND MAP STUDY, NEW CONTROLLING OBSTACLE.
24. MINIMUMS: UPDATED CIRCLING CATS A, B, C AND D MDA/HAA FROM "484," "5580/564," "5580/564" AND "5760/744" TO CATS A "480," B AND C "5600/580" AND CAT D "5700/680" - UPDATED SURVEY, NEW CONTROLLING OBSTACLES.
25. MINIMUMS: UPDATED S-LOC 33 VISIBILITY CATS C AND D FROM "1/2" AND "3/4" TO "1" - IAW 8260.3E TABLE 3-3-7; UPDATED MINS.
26. MINIMUMS: UPDATED CIRCLING VISIBILITY CAT D FROM "2 1/2" TO "2 1/4" - IAW 8260.3D TABLE 3-3-7; UPDATED MINS.
27. ADDITIONAL FLIGHT DATA: ADDED "CHART GLL 20.99 DME AT CONRY" - TO ADD IN AIRCRAFT NAVIGATIONAL ACCURACY/PILOT SITUATIONAL AWARENESS ON FEEDER LEG, IAW 8260.19I 8-6-10 R.
28. ADDITIONAL FLIGHT DATA: CHANGED NOTE FROM "CHART IN PLANVIEW: (RSDXF) 401537.58N/1045525.65W" TO "CHART IN PLANVIEW: (CFFRX) AT 401537.58N/1045525.65W" - FIX NAME CHANGED PER 8260.19I 8-2-6 A.

COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

HAI

NBA

X

OTHER:

ZDV ARTCC, DEN TRACON, AMGR

FLIGHT CHECKED BY

JEFFREY ECKMAN

Digitally signed by

JASON KRETSCHMER

Jan 07, 2022

OFFICE

FPO

DATE

01/06/2022

DEVELOPED BY

JOHN BORDY (JUDITH TUTTLE)

Digitally signed by

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Dec 16, 2021

OFFICE

AJV-A422

DATE

08/23/2021

APPROVED BY

MARLON ROBINSON

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Dec 16, 2021

OFFICE

AJV-A420

DATE

TITLE

MANAGER

QUALITY

21

CHECKED