

**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><b>AIRPORT ID</b></u><br>KBOS      | <u><b>PROCEDURE NAME</b></u><br>ILS OR LOC RWY 33L<br>ILS RWY 33L (SA CAT I),<br>ILS RWY 33L (CAT II),<br>ILS RWY 33L (CAT III) | <u><b>ORIGINAL/AMENDMENT</b></u><br>5F                                                                                      | <u><b>CITY</b></u><br>BOSTON                     | <u><b>STATE</b></u><br>MA         |                              |                                  |
| <u><b>AIRPORT ELEVATION</b></u><br>19 | <u><b>TDZE</b></u><br>16                                                                                                        | <u><b>SUPERSEDED</b></u><br>ILS OR LOC RWY 33L<br>ILS RWY 33L (SA CAT I),<br>ILS RWY 33L (CAT II),<br>ILS RWY 33L (CAT III) | <u><b>ORIGINAL/AMENDMENT</b></u><br>5E           | <u><b>DATED</b></u><br>03/25/2021 | <u><b>MAG VAR</b></u><br>15W | <u><b>EPOCH YEAR</b></u><br>2020 |
| <u><b>FACILITY</b></u><br>I-LIP       | <u><b>COORDINATES OF FACILITIES</b></u>                                                                                         | <u><b>ACTUAL EFFECTIVE DATE</b></u><br>17 JUNE 2021                                                                         | <u><b>REQUIRED EFFECTIVE DATE</b></u><br>ROUTINE | <u><b>CANCEL/SUSPEND</b></u>      |                              |                                  |

**TERMINAL ROUTES**

| FROM                        | FIX TYPE | TO                         | FIX TYPE | LEG TYPE | FO/FB | RNP | COURSE | DISTANCE     | ALTITUDE |
|-----------------------------|----------|----------------------------|----------|----------|-------|-----|--------|--------------|----------|
| BENNN/I-LIP 14.95 DME/RADAR | IF       | COHAS/I-LIP 9.59 DME/RADAR |          |          |       |     | 330.18 | 5.36 (I-LIP) | 3000     |
| COHAS/I-LIP 9.59 DME/RADAR  |          | NIMOY/I-LIP 4.65 DME/RADAR |          |          |       |     | 330.18 | 4.94 (I-LIP) | 1500     |

**MISSED APPROACH**

**MAP:**

ILS: DA  
 LOC: 4.48 NM AFTER NIMOY/I-LIP 4.65 DME/RADAR OR AT I-LIP 0.18 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON BOS VOR/DME R-030 TO WAXEN/BOS 14.04 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT BENNN
- FAC: 330.18 FAF: NIMOY/I-LIP 4.65 DME/RADAR DIST FAF TO MAP: 4.48 DIST FAF TO THLD: 4.48
- MIN ALT: BENNN/I-LIP 14.95 DME/RADAR 4000, COHAS/I-LIP 9.59 DME/RADAR 3000, NIMOY/I-LIP 4.65 DME/RADAR 1500, RDUKE/I-LIP 2.16 DME/RADAR 700
- DIST TO THLD FROM OM: MM: IM: 100 HAT: 824 150 HAT: 1775 GS ANT: 976
- MIN GS INCPT: 1500 GS ALT AT FAF: NIMOY/I-LIP 4.65 DME/RADAR 1500 OM: MM: IM:
- GP ANGLE: 3.00 34:1: 20:1: TCH: 57.0
- MSA FROM: BOS VOR/DME 215-305 2500, 305-215 2000



**EQUIPMENT REQUIREMENTS NOTES:**

RADAR REQUIRED FOR PROCEDURE ENTRY, DME.

**NOTES:**

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 33L: CAT A, B, C, D, RA 166, RVR 1400, HAT 150, DA 166 MSL.  
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 33L: CAT A, B, C, D, RA 116, RVR 1200, HAT 100, DA 116 MSL.  
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 33L: CAT A, B, C, D, RVR 600  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.  
CHART NOTE: CIRCLING NA FOR CATS C AND D W OF RWYS 4L AND 15R.  
CHART NOTE: CIRCLING NA TO RWY 14.  
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.

**ADDITIONAL FLIGHT DATA:**

HOLD NE, LT, 209.99 INBOUND.  
CHART FAS OBST: 201 TREE 421948N/0705723W.  
CHART VDP AT 1.35 DME  
DISTANCE VDP TO THLD 1.18 NM.  
CHART CIRCLING ICON.

**MINIMUMS:**

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

**ALTERNATE:** NA ☐ ILS: STANDARD; LOC: CAT A 1000-2, CAT B 1100-2, CAT C, D 1100-3

| 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 33L  | 216    | 1800  | 200     | 216    | 1800  | 200     | 216    | 1800 | 200     | 216    | 1800 | 200     |        |     |         |
| S-LOC 33L  | 460    | 2400  | 444     | 460    | 2400  | 444     | 460    | 4500 | 444     | 460    | 4500 | 444     |        |     |         |
| CIRCLING   | 940    | 1 1/4 | 921     | 1040   | 1 1/2 | 1021    | 1040   | 3    | 1021    | 1040   | 3    | 1021    |        |     |         |

**CHANGES - REASONS**

1. REMOVED "INT" FROM WAXEN IN MA DESCRIPTION. - WAXEN CHANGED TO DME FIX DUE TO MHT DECOMMISSIONING FOR VOR MON.
2. DELETED ALTERNATE MA AND COTEE CHARTING. - PSM AND MHT DECOMMISSIONING FOR VOR MON.
3. REMOVED "AND USE OF HUD TO DH" FROM SA CAT I NOTE. - 8260.19I 8-6-11 M. (1) NOTE.
4. REMOVED CHARTING OF 639 AND 700 FT BUILDINGS FROM PROCEDURE. - NO LONGER REQUIRED.
5. CHANGED ALTERNATE MINIMUMS FROM "ILS: CAT A 1000-2, CAT B 1100-2, CAT C, D 700-2; LOC: STANDARD, CAT A 1000-2, CAT B 1100-2, CAT C, D 1100-3". - CATS C AND D CIRCLING RESTRICTIONS RAISED TO NO LOWER THAN CAT B MDA AND UPDATED ILS ALT MINS.
6. REMOVED RADAR REQUIRED AND DME OR RADAR REQUIRED NOTES, ADDED EQUIPMENT REQUIREMENTS NOTE: RADAR REQUIRED FOR PROCEDURE ENTRY, DME. - CLEARANCE LIMIT FIX REVISED DUE TO VOR MON, UPDATED EQUIPMENT REQUIREMENTS NOTES.
7. CHANGED "CAT II CHART NOTE..." TO "CAT II RVR 1000 CHART NOTE..." - 8260.19I 8-6-11 M. (3)
8. REMOVED "\*" AFTER RDUKE IN LINE 4, "\*" AND "\*LOC ONLY" FROM ADDITIONAL FLIGHT DATA. - REQUIREMENTS ELIMINATED FROM 8260.19I.
9. CHANGED CAT C/D VISIBILITY FROM 1 3/4 AND 2 SM TO 3 SM. - CIRCLING MDA/HAA CHANGED



AIRPORT ID  
KBOS

PROCEDURE NAME  
ILS OR LOC RWY 33L  
ILS RWY 33L (SA CAT I),  
ILS RWY 33L (CAT II),  
ILS RWY 33L (CAT III)

ORIGINAL/AMENDMENT  
5F

CITY  
BOSTON

STATE  
MA

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZBW, BOS APP CON, BOS ATCT, AMGR

FLIGHT CHECKED BY

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

OFFICE

DATE

*Digitally signed by*

**JOHN BORDY**

Mar 03, 2021

DEVELOPED BY

JOHN BORDY (STEVEN WINNER)

*Digitally signed by*

**JOHN BORDY**

Mar 03, 2021

OFFICE

AJV-A422

DATE

01/08/2021

APPROVED BY

MARLON ROBINSON

*Digitally signed by*

**JOHN BORDY**

Mar 03, 2021

OFFICE

AJV-A420

DATE

TITLE  
MANAGER