

**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> LWM	<u>PROCEDURE NAME</u> ILS OR LOC RWY 5	<u>ORIGINAL/AMENDMENT</u> 6B	<u>CITY</u> LAWRENCE	<u>STATE</u> MA
<u>AIRPORT ELEVATION</u> 148	<u>TDZE</u> 144	<u>SUPERSEDED</u> ILS OR LOC RWY 5	<u>ORIGINAL/AMENDMENT</u> 6A	<u>DATED</u> 02/25/2021
<u>FACILITY</u> I-LWM	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 JUNE 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 15W
				<u>EPOCH YEAR</u> 1980
				<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>
BOS VOR/DME		WOBMU/LWM 7.71 DME					346.77	19.45	2000
WOBMU/LWM 7.71 DME	FAF	GRAPS/LWM 4.04 DME					053.17 (I-LWM)	3.67	
GRAPS/LWM 4.04 DME		RW05/LWM 2.34 DME	MAP				053.17 (I-LWM)	1.70	
RW05/LWM 2.34 DME	MAP	700 MSL		CA			053.17		700
700 MSL		WITCH		DF	FO	1.00			2000

MISSED APPROACH

MAP:

ILS: DA
LOC: RW05/LWM 2.34 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 2000 DIRECT WITCH AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- HOLD SW WOBMU/LWM 7.71 DME, RT, 053.17 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 4600.
- FAC:** 053.17 **FAF:** WOBMU/LWM 7.71 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 5.37
- MIN ALT:** WOBMU/LWM 7.71 DME 1900, GRAPS/LWM 4.04 DME 720
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:** 950
- MIN GS INCPT:** 1900 **GS ALT AT PFAF:** WOBMU/LWM 7.71 DME 1900 **OM:** **MM:** **IM:**
- GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 55.7
- MSA FROM:** BOS VOR/DME 215-305 2500, 305-215 2000

QUALITY
6
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 32 NA AT NIGHT.
CHART NOTE: DME FROM LWM DME. SIMULTANEOUS RECEPTION OF I-LWM AND LWM DME REQUIRED.

ADDITIONAL FLIGHT DATA:

DISTANCE VDP TO THLD 1.03 NM.
CHART VDP AT 3.37 DME.
HOLD S, LT, 021.00 INBOUND.
CHART FAS OBST: 294 STACK (25-000375) 424218N/0710829W.
CHART CIRCLING ICON.
CHART IN PLANVIEW: (CFMDR) (423516.56N/0711534.68W).

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT C 800-2 1/4, CAT D 1100-3, NA WHEN CONTROL TOWER CLOSED.

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 05	344	3/4	200	344	3/4	200	344	3/4	200	344	3/4	200			
S-LOC 05	520	1	376	520	1	376	520	1	376	520	1	376			
CIRCLING	740	1	592	740	1	592	920	2 1/4	772	1220	3	1072			

CHANGES - REASONS

1. MISSED APPROACH POINT: LOC: CHANGED FROM "5.37 NM AFTER WOBU/LWM DME 7.71 DME" TO "RW05/LWM 2.34 DME" – DME NOT REQUIRED, FAF TO MAP TIMING WILL NOT BE USED. 8260.19J 8-6-6 C.(1).
2. PROFILE LINE 3: DIST FAF TO MAP REMOVED – FAF TO MAP/THLD TIMING WILL NOT BE USED.
3. PROFILE LINE 4: ASTERISK REMOVED FROM GRAPS/LWM 4.04 DME 720 – NO LONGER REQUIRED BY CRITERIA.
4. DELETED "DME REQUIRED" FROM EQUIPMENT REQUIREMENTS NOTE. - DME IS OPTIONAL, BUT NOT REQUIRED.
5. NOTES: REMOVED "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BOS VOR/DME ON V3 SOUTHBOUND." – V3 DOES NOT COME INTO THE BOS VOR/DME FROM THE NORTH.
6. ADDITIONAL FLIGHT DATA: UPDATED FAS OBSTACLE FROM "CHART FAS OBST: 294 STACK 424218N/0710829W." TO "CHART FAS OBST: 294 STACK (25-000375) 424218N/0710829W." –ADDED OAS NUMBER TO OBSTACLE. 8260.19J 8-6-11C.
7. ADDITIONAL FLIGHT DATA: REMOVED "LOC ONLY." - 8260.19J 8-6-10.A(4).
8. ADDITIONAL FLIGHT DATA: REMOVED ASTERISKS FROM "CHART VDP AT 3.37 DME." – NO LONGER SUPPORTED BY CRITERIA.
9. MINIMUMS: CHANGED CIRCLING CAT C CMDA/HAA FROM "840/692" TO "920/772" - NEW CONTROLLING OBSTACLE.

COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

ZBW ARTCC, BOS APP CON, LWM ATCT, AMGR

FLIGHT CHECKED BY

CHRISTOPHER R VANDEVEER

Digitally signed by

CASIMIR L TABAKA

May 01, 2025

OFFICE

AJF

DATE

04/17/2025

DEVELOPED BY

JACOB CLARK

Digitally signed by

JACOB H CLARK

Mar 05, 2025

OFFICE

AJV-33

DATE

01/24/2025

APPROVED BY

JOHN BORDY

Digitally signed by

CASIMIR L TABAKA

May 01, 2025

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DATE

TITLE

MANAGER

