

**UNITED STATES AIR FORCE
FLIGHT STANDARDS SERVICE
LOC/DME BC STANDARD INSTRUMENT APPROACH PROCEDURE**

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</u> LUBBOCK PRESTON SMITH INTL	<u>AIRPORT ID</u> KLBB	<u>PROCEDURE NAME</u> HI - LOC/DME BC RWY 35L	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> LUBBOCK	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 3282	<u>TDZE</u> 3254	<u>SUPERSEDED</u> HI - LOC/DME BC RWY 35L	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 01/05/2017	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-LBB	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
LBB VORTAC		YIBGU/LBB 15.00 DME					202.02	15.00	10000
FIPKI/LBB 20.00 DME		YIBGU/LBB 15.00 DME					022.02	5.00 (LBB)	10000
YIBGU/LBB 15.00 DME CCW	IAF	MIVLE/I-LBB 10.89 DME					15.00 DME ARC (LBB LR-160)		5200
MIVLE/I-LBB 10.89 DME	IF	FRIER/I-LBB 4.68 DME/RADAR					353.67	6.20 (I-LBB)	4800

MISSED APPROACH

MAP:

NOLOE/I-LBB 0.49 DME FIX

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 THEN CLIMBING RIGHT TURN TO 5200 ON HEADING 170 AND ON LBB VORTAC R-114 TO HYDRO INT/LBB 14.20 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT YIBGU
3. FAC: 353.67 FAF: FRIER/I-LBB 4.68 DME/RADAR DIST FAF TO MAP: DIST FAF TO THLD: 4.91
4. MIN ALT: YIBGU 10000, MIVLE 5200, FRIER 4800, ENZIE/I-LBB 1.63 DME 3820
8. MSA FROM: LBB VORTAC 5300, ESA W/IN 100 NM 7300

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART NOTE: USE I-LBB DME WHEN ON LOCALIZER COURSE.



ADDITIONAL FLIGHT DATA:

CHART BACK COURSE MARKER AT FRIER.
 CHART CIRCLING ICON.
 CHART TDZE 3254.
 FRIER BCM TO RW35L: 2.89/54.
 CHART LBB R-202 AT YIBGU.
 CHART FAS OBST: 3291 TREE 333829N/1014934W.
 HOLD SE, LT, 293.77 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT E 900-3

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-35L							3560	7/8	306	3560	7/8	306	3560	7/8	306
CIRCLING							3880	1 1/2	598	3940	2	658	4100	3	818

CHANGES - REASONS

DELETED NOTE: WHEN ALS, INOP INCREASE ALL CATS VISIBILITY TO 7/8 MILE. S-35L VISIBILITY CATS C/D/E INCREASE FROM ¾ TO 7/8 - RWY 35L OMNIDIRECTIONAL APPROACH LIGHTING SYSTEM (ODALS) DECOMMISSION.

COORDINATED WITH:

A4A ☐ **ALPA** ☐ **AOPA** ☐ **APA** ☐ **HAI** ☐ **NBAA** ☐ **OTHER:** APT MGR, ZFW, LBB ATCT, USAF.

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
 FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE**DATE**

Digitally signed by

DEVELOPED BY

DEANNA M. FIELDS

Digitally signed by

DEANNA M FIELDS

MARK D ADAMS

Mar 18, 2020

OFFICE

AJV-A412

DATE

01/30/2020

RECOMMENDED BY

JULIE A. MORGAN

Digitally signed by Jan 30, 2020

MARK D ADAMS

Mar 18, 2020

OFFICE

AJV-A410

DATE**TITLE**

MANAGER

APPROVED BY**OFFICE****DATE****TITLE**

QUALITY
22
CHECKED

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

<u>AIRPORT</u> LUBBOCK PRESTON SMITH INTL	<u>AIRPORT ID</u> KLBB	<u>PROCEDURE NAME</u> HI - LOC/DME BC RWY 35L	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> LUBBOCK	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 3282	<u>FACILITY</u> I-LBB
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
LBB VORTAC

TO
YIBGU/LBB 15.00 DME

<u>RNP</u>	<u>DISTANCE</u> 15.00	<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>
1.TOWER (48-011302)	333638.00N/1020302.00W		4010	500	50	5D	1000				AT4990	10000
2.TERRAIN	333154.00N/1020836.00W		3413 (3400)								AS1500	4900

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

FEEDER

FROM
FIPKI/LBB 20.00 DME

TO
YIBGU/LBB 15.00 DME

<u>RNP</u>	<u>DISTANCE</u> 5.00	<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>
3.TOWER (48-017324)	332524.19N/1020742.81W		4049	250	50	4D	1000				AT4951	10000
4.TERRAIN	332924.00N/1021006.00W		3416 (3400)								AS1500	4900

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



INITIAL: ARC

FROM

YIBGU/LBB 15.00 DME CCW

TO

MIVLE/I-LBB 10.89 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TOWER (48-001648)	333007.94N/1015221.37W		4157	250	50	5D	1000					5200
6.TERRAIN	332927.00N/1020227.00W		3370 (3400)								AS1500	4900

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

INTERMEDIATE

FROM

MIVLE/I-LBB 10.89 DME

TO

FRIER/I-LBB 4.68 DME/RADAR

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	6.20											
<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>
5.TOWER (48-001648)	333007.94N/1015221.37W		4157	250	50	5D	500					4700
8.TERRAIN	333006.00N/1015206.00W		3294 (3300)								AS1500	4800

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



FINAL

FROM

FRIER/I-LBB 4.66 DME/RADAR

TO

ENZIE/I-LBB 1.63 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	3.06											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.TOWER (48-001961)	333401.00N/1014951.00W		3511	250	50	4D	250				AC50	3820

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: STEPDOWN

FROM

ENZIE/I-LBB 1.63 DME

TO

NOLOE/I-LBB 0.49 DME FIX

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	1.14		NOLOE/I-LBB 0.49 DME FIX	306								
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
10.TREE (KLBB0025)	333829.26N/1014933.65W		3291	20	3	1A	250					3560

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH

FROM

NOLOE/I-LBB 0.49 DME FIX

TO

HYDRO INT/LBB 14.20 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							3310				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5200
11.TOWER (48-002724)	334414.00N/1014458.00W	3650	500	50	5D	1000					4700
12.TERRAIN	334412.00N/1014727.00W	3373 (3400)								AS1500	4900

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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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 C											
13.TOWER (48-002052)	333605.00N/1015017.00W	3.04	598	3518	250	50	4D	300		AC50	3880
CATEGORY D											
14.TOWER (48-003323)	333716.00N/1015355.00W	3.98	658	3577	500	50	5D	300		AC50	3940
CATEGORY E											
15.TOWER (48-015013)	333414.16N/1014808.36W	4.99	818	3790	50	20	2C	300			4100

CIRCLING REMARKS:



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MSA

CENTER
LBB VORTAC

RADIUS
25

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	TWR (48-013579)	335735.30N/1013521.60W	036	22.3	4280	500	50	5D	1000			5300

MSA REMARKS:

ESA

CENTER
LBB VORTAC

RADIUS
100

<u>SECTOR</u>	<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>BEARING</u>	<u>DISTANCE</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
360-360	TWR (35-000123)	330319.00N/1034921.00W	237	99.9	6268	100	20	3C	1000			7300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:
ALTERNATE ALTIMETER SOURCE NOT USE, REDUNDANT SOURCES ON AIRPORT.
ALTERNATE MISSED APPROACH NOT DEVELOPED AT ATC REQUEST.

QUALITY
22
CHECKED

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZFW ARTCC, LBB TOWER

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KLBB	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u> KLBB	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:

<u>PRIMARY NAVAID</u> I-LBB	<u>MONITOR POINT</u> LBB ATCT	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW17L		BSC-G	
RW35R		BSC-G	
RW08 - HIRL, REIL, PAPI-4L		PIR-G	
RW17R - MALSR, HIRL, PAPI-4R		PIR-G	APPROACH
RW26 - MALSR, HIRL, PAPI-4L		PIR-G	APPROACH
RW35L - HIRL, VASI-4L		PIR-G	ROLL OUT

<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> 3.00	<u>TCH</u> 54.0
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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



<u>AIRPORT</u> LUBBOCK PRESTON SMITH INTL	<u>AIRPORT ID</u> KLBB	<u>PROCEDURE NAME</u> HI - LOC/DME BC RWY 35L	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> LUBBOCK	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 3282	<u>FACILITY</u> I-LBB
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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	3.23
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	359.67
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	3250
DISTANCE FROM	THLD	TO 1500FT POINT	4.90
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.63
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	359.67
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	3250

THRESHOLD
COORDINATES
(IF STR-IN)

333902.74N/1014943.74W

ARP COORDINATES

333949.20N/1014914.00W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 17R DISTANCE 1.16 NM

FAF
COORDINATES

333407.53N/1014941.71W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY
22
CHECKED

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Electronic Version

<u>AIRPORT</u> LUBBOCK PRESTON SMITH INTL	<u>AIRPORT ID</u> KLBB	<u>PROCEDURE NAME</u> HI - LOC/DME BC RWY 35L	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> LUBBOCK	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 3282	<u>FACILITY</u> I-LBB
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PART E: PREPARED BY

<u>NAME</u> DEANNA M. FIELDS	<u>OFFICE</u> AJV-A412	<u>DATE</u> 01/30/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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Electronic Version

QUALITY
22
CHECKED

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