FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
BLV	RNAV (GPS) Y RWY 32L	1	BELLEVILLE	IL

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
459	439	RNAV (GPS) RWY 32L	ORIG-F	09/08/2022	2W	2020

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
RNAV		27 NOVEMBER 2025	ROUTINE	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
NEWAT	IAF	BUFFE	NOPT	TF	FB	1.00	035.13	8.76	3000
COFEY	IAF	BUFFE	NOPT	TF	FB	1.00	231.42	8.17	3000
BUFFE	IF/IAF	BLVIL		TF	FB	1.00	318.66	6.00	2400
BLVIL	FAF	WUXOX/1.90 NM TO RW32L		TF	FB	0.30	318.60	4.08	
WUXOX/1.90 NM TO RW32L		RW32L	MAP	TF	FO	0.30	318.60	1.90	
RW32L	MAP	1500 MSL		CA			318.60		1500
1500 MSL		BUFFE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW32L

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT BUFFE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. HOLD SE BUFFE, LT, 318.66 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 318.60 **FAF:** BLVIL **DIST FAF TO MAP:** 5.99 **DIST FAF TO THLD:** 5.99
4. **MIN ALT:** BUFFE 3000, BLVIL 2400, WUXOX/1.90 NM TO RW32L 1100
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **200 HAT:** 0.46 **GS ANT:**
6. **MIN GP INCPT:** 2400 **GP ALT AT PFAF:** BLVIL 2400 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 56.5
8. **MSA FROM:** RW32L 2700

QUALITY 34 CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART NOTE: * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 5500 RVR, AND LNAV CAT C/D VISIBILITY TO 1 3/8 MILE.
CHART PLAVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT COFEY ON V44 SOUTHEAST BOUND.
CHART PLAVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT NEWAT ON V234 SOUTHWEST BOUND.

ADDITIONAL FLIGHT DATA:

DISTANCE VDP TO THLD 1.35 NM.
CHART FAS OBST: 581 WATER_TOWER (17-043571) 383224N/0895021W.
WAAS CHANNEL # 65947
REFERENCE PATH ID: W32B
LTP HAE: 102.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 800-2 1/4, CAT D 800-2 1/2, 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
LPV DA*	639	2400	200	639	2400	200	639	2400	200	639	2400	200			
LNAV/VNAV DA	812	3500	373	812	3500	373	812	3500	373	812	3500	373			
LNAV MDA	920	2400	481	920	2400	481	920	5000	481	920	5000	481			
CIRCLING	1000	1	541	1120	1	661	1240	2 1/4	781	1240	2 1/2	781			

QUALITY 39 CHECKED

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
BLV	RNAV (GPS) Y RWY 32L	1	BELLEVILLE	IL

CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM RNAV (GPS) RWY 32L TO RNAV (GPS) Y RWY 32L - FPT REQUEST
2. CHANGED INITIAL ROUTE FROM DUTMY - QODCU TO COFEY - BUFFE COURSE/DISTANCE CHANGED FROM 238.88/7.56 TO 231.42/8.17 AND ALT CHANGED FROM 2400 TO 3000 - NEW IAF AND IF LOCATION.
3. CHANGED INITIAL ROUTE FROM NEWAT -QODCU TO NEWAT - BUFFE COURSE/DISTANCE CHANGED FROM 023.61/9.41 TO 035.13/8.76 AND ALT CHANGED FROM 2400 TO 3000 - NEW IF LOCATION.
4. CHANGED INTERMEDIATE ROUTE FROM QODCU - TIZGE TO BUFFE - BLVIL COURSE/DISTANCE CHANGED FROM 318.61/5.03 TO 318.66/6.00 AND ALT CHANGED FROM 2100 TO 2400 - NEW IF LOCATION NEW FAF LOCATION.
5. CHANGED FAF FROM TIZGE TO BLVIL COURSE FROM 318.58 TO 318.60 AND ADDED SDF WUXOX - NEW FAF COINCIDES WITH ILS TO RWY 32L AT FPT REQUEST.
6. CHANGED CA LEG COURSE FROM 318.58 TO 318.60 - NEW FAC/ADDED PRECISION MINS.
7. CHANGED DF LEG ALT FROM 2400 TO 3000 - NEW MAP LOCATION.
8. ADDED MAP: LPV:DA AND LNAV/VNAV:DA - ADDED PRECISION MINS.
9. CHANGED MISSED APP INSTRUCTIONS FROM "CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2400 DIRECT QODCU AND HOLD" TO "CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT BUFFE AND HOLD" - NEW MAP POINT.
10. CHANGED PROFILE LINE 2 FROM "PROFILE STARTS AT QODCU" TO "HOLD NW BUFFE, LT, 318.66 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF), MAX 6000" - ADDED HILPT/ADDED SDF.
11. CHANGED PROFILE LINE 3 FAC FROM 318.58 TO 318.60 DIST FAF TO MAP/THLD FROM 5.00 TO 5.99 - NEW FAF LOCATION
12. CHANGED PROFILE LINE 4 FROM "QODCU 2400, TIZGE 2100" TO "BUFFE 3000, BLVIL 2400, WUXOX/1.90 NM TO RW32L 1100" - NEW MIN ALTITUDES.
13. ADDED PROFILE LINE 6 MIN GP INCPT: 2400 AND GP ALT AT PFAF: BLVIL 2400 ADDED 200 HAT: 0.46 - ADDED PRECISION MINS.
14. ADDED PROFILE LINE 7 GP ANGLE: 3.00 TCH:56.5 - ADDED PRECISION MINS.
15. CHANGED NOTE "CHART PLAVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT DUTMY ON V44 SOUTHEAST BOUND" TO READ "CHART PLAVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT COFEY ON V44 SOUTHEAST BOUND" - NEW INITIAL WP.
16. ADDED NOTE "CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED" - FPT REQUEST/ QUALIFY FOR BASIC SIMULTANEOUS OPERATIONS.
17. ADDED NOTE "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C" - LNAV/VNAV MINS ADDED.
18. ADDED NOTE "CHART NOTE: *RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA" - PROCEDURE QUALIFIES FOR 1800 RVR.
19. ADDED NOTE "CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 5500 RVR, AND LNAV CAT C/D VISIBILITY TO 1 3/8 MILE " - ADDED LNAV/VNAV MINS.
20. ADDED ADDITIONAL FLIGHT DATA WAAS CHANNEL #65947, REFERENCE PATH ID: W32A, LTP HAE: 102.6M - FAS DATA ADDED
21. CHANGED FAS OBS FROM 630 AAO 382852N/0894705W TO 581 WATER_TOWER (17-043571) 383224N/0895021W - NEW EVALUATION.
22. ADDED LPV AND LNAV/VNAV MINS - FPT REQUEST.
23. ADDED FAS DATA - PRECISION MINS ADDED / GEODESIC LINE CALCULATED.
24. REMOVED CHART CIRCLING ICON - NO LONGER REQUIRED

10/15/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/30/25.
1. ADDED ALTITUDE 1500 TO TERMINAL ROUTE CA LEG.

COORDINATED WITH:

A4A [X] **ALPA** [X] **AOPA** [X] **APA** [ ] **HAI** [ ] **NBAA** [X] **OTHER:** ZKC, SCOTT TOWER, STL APP CON, HQ AMC TERPS, ANG/DOBA, AMGR

FLIGHT CHECKED BY SCOTT WIEBE	*Digitally signed by* ***CASEY D HILL*** Oct 16, 2025	**OFFICE** AJF	**DATE** 09/25/2025
DEVELOPED BY PHILLIP SMART	*Digitally signed by* ***CASEY D HILL*** Oct 16, 2025	**OFFICE** AJV-A433	**DATE** 04/30/2025
APPROVED BY ROBERT G HAMILTON	*Digitally signed by* ***CASEY D HILL*** Oct 16, 2025	**OFFICE** AJV-A433	**DATE**

TITLE
MANAGER

QUALITY 39 CHECKED

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBLV
RUNWAY	RW32L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32B
LTP/FTP LATITUDE	383210.4610N
LTP/FTP LONGITUDE	0895035.2775W
LTP/FTP ELLIPSOIDAL HEIGHT	+01026
FPAP LATITUDE	383315.2015N
FPAP LONGITUDE	0895153.3945W
THRESHOLD CROSSING HEIGHT (TCH)	00056.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0368
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	1DD5CD98

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01332
FPAP ORTHOMETRIC HEIGHT	+01332

QUALITY 39 CHECKED