

**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.

<u>AIRPORT ID</u> KBLV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14R	<u>ORIGINAL/AMENDMENT</u> ORIG-F	<u>CITY</u> BELLEVILLE	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 459	<u>TDZE</u> 459	<u>SUPERSEDED</u> RNAV (GPS) RWY 14R	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 05/26/2016	<u>MAG VAR</u> 2W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
TOY VORTAC	IAF	SIQAF		TF	FB	1.00	218.89	5.88	2800
SIQAF	IF	PUJXO		TF	FB	1.00	138.45	5.00	1800
PUJXO	FAF	RW14R	MAP	TF	FO	0.30	138.50	4.00	
RW14R	MAP	859 MSL		CA	FB		138.50		
859 MSL		QODCU		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LNAV: RW14R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT QODCU AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF      (IAF)
2. PROFILE STARTS AT SIQAF
3. FAC: 138.50      FAF: PUJXO      DIST FAF TO MAP: 4.00      DIST FAF TO THLD: 4.00
4. MIN ALT:      SIQAF 2800, PUJXO 1800
5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      GS ANT:
6. MIN GP INCPT:      GP ALT AT FAF :      OM:      MM:      IM:
7. GP ANGLE:      34:1: IS CLEAR      20:1: IS CLEAR      TCH:
8. MSA FROM:      RW14R 2700

QUALITY  
16  
CHECKED

**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS

**NOTES:**

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TOY VORTAC AIRWAY RADIALS 189 CW 282.  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/4 SM.

**ADDITIONAL FLIGHT DATA:**

HOLD SE, RT, 318.61 INBOUND.  
CHART FAS OBST: 759 WATER TOWER 383536N/0895346W.  
CHART VDP AT 1.68 NM TO RW14R.  
CHART CIRCLING ICON.  
PUJXO TO RW14R: 3.01/65.

**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

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LNAV MDA	1060	2400	601	1060	2400	601	1060	1 3/8	601	1060	1 3/8	601			
CIRCLING	1060	1	601	1080	1	621	1240	2 1/4	781	1240	2 1/2	781			

**CHANGES - REASONS**

1. DELETED CHART NOTE: DME/DME RNP-0.3 NA AND REPLACED WITH PBN REQUIREMENTS NOTE: RNP APCH - GPS. - IAW 8260.19H, PARA 8-6-8 B(1).
2. UPDATED CHART NOTE: FROM "FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/4 MILE" TO "FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/4 SM" - IAW 8260.19 8-6-11 O(3); UPDATED ALS DATA.
3. UPDATED PLANVIEW NOTE: FROM "PROCEDURE NA FOR ARRIVAL AT TOY VORTAC ON AIRWAY RADIALS 189 CW 282" TO "PROCEDURE NA FOR ARRIVAL ON TOY VORTAC AIRWAY RADIALS 189 CW 282" - IAW 8260.19 8-2-5E.
4. ADDED PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - IAW 8260.19 8-6-9M(2); UPDATED VGSI DATA.
5. MINIMUMS: UPDATED LNAV CAT D VISIBILITY FROM 1 1/2 TO 1 3/8 - UPDATED VIS CHECK IAW 8260.3 TABLE 3-3-1.
6. ADDED ALTERNATE MINIMUMS. - PRIMARY AND ALTERNATE AIRPORTS HAVE SUITABLE WEATHER REPORTING.

**COORDINATED WITH:****A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZKC, SCOTT TOWER, STL APP CON, HQ AMC TERPS, ANG/DOBA**FLIGHT CHECKED BY**

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

Digitally signed by **OFFICE****DATE**

Nov 12, 2020

**DEVELOPED BY**

WARDELL HENNING (PATRICK COMBS)

Digitally signed by

**JON DENTON****OFFICE**

AJV-A432

**DATE**

09/25/2020

**APPROVED BY**

LONNIE EVERHART

Digitally signed by

**JON DENTON****OFFICE**

AJV-A430

**DATE****TITLE**  
MANAGERQUALITY  
16  
CHECKED

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

<u>AIRPORT ID</u> KBLV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14R	<u>AMDT NO.</u> ORIG-F	<u>CITY</u> BELLEVILLE	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 459	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM  
TOY VORTAC

TO  
SIQAF

<u>RNP</u>	<u>DISTANCE</u> 5.88	<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.TOWERS (14-0440)	384059.00N/0900002.00W		1050	500	50	5D	1000				AT750	2800
2.TERRAIN	383836.00N/0895727.00W		607 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE

FROM  
SIQAF

TO  
PUJXO

<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 (14-2020)	383747.00N/0900040.00W		1068	100	20	3C	500				AT232	1800
2.TERRAIN	383836.00N/0895727.00W		607 (600)								AS1000	1600

COMPUTATIONS

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

SEGMENT REMARKS:



FINAL: LNAV

FROM  
PUJXO

TO  
RW14R

RNP	DISTANCE 4.00	PAT	MAP RW14R	HAT 601	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
4.WATER_TOWER (17-046714)	383536.15N/0895346.42W		759	20	3	1A	250				XP51	1060

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP51: TO MAINTAIN CURRENT MINIMUMS.

MISSED APPROACH : LNAV

FROM  
RW14R

TO  
QODCU

RNP	DISTANCE	PAT	MAP	HAT	HMAS 960							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
5.TOWER (17-003823)	382322.01N/0894318.62W		734	50	20	2C	1000					1800
6.TERRAIN	382824.00N/0894442.00W		457 (500)								AS1500	2000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

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 A											
7.TREE	383345.00N/0895309.00W	1.30	601	699	50	20	2C	300		SI	1060
CATEGORY B											
8.TREE	383317.08N/0895358.47W	1.82	621	779	50	20	2C	300			1080
CATEGORY C											
9.TOWER (17-000523)	383103.00N/0895320.00W	2.86	781	871	500	50	5D	300		AC50	1240
CATEGORY D											
9.TOWER (17-000523)	383103.00N/0895320.00W	3.74	781	871	500	50	5D	300		AC50	1240

CIRCLING REMARKS:

MSA

CENTER  
RW14R

RADIUS  
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (29-000382)	383450.00N/0901945.00W	277	22.1	1649	250	50	4D	1000			2700

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
STL APP CON, SCOTT AFB TOWER

<u>WX SERVICE</u> ATIS	<u>LOCATION</u> KBLV	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KBLV	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KCPS	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KCPS	<u>DISTANCE</u> 15.09	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 42

WX REMARKS:  
BACKUP ALTIMETER NOTES NOT IMPLEMENTED. KBLV HAS A 24 HOUR REDUNDANT WEATHER SOURCE.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW14L - HIRL, REIL, PAPI-4R		PIR-G	APPROACH, ROLL OUT
RW14R - ALSF-1, HIRL, PAPI-4L		PIR-G	APPROACH, ROLL OUT
RW32L - ALSF-1, HIRL, PAPI-4L		PIR-G	APPROACH, ROLL OUT
RW32R - MALSR, HIRL, PAPI-4L		PIR-G	APPROACH, 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> 50.0
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<u>FINAL APPROACH COURSE AIMING</u>			
RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

<u>CRITICAL TEMPERATURES</u>			
<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS



**AIRPORT ID**  
KBLV

**PROCEDURE NAME**  
RNAV (GPS) RWY 14R

**AMDT NO.**  
ORIG-F

**CITY**  
BELLEVILLE

**STATE**  
IL

**AIRPORT ELEVATION**  
459

**FACILITY**  
RNAV

and/or  
**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

<b><u>PENETRATIONS REMARKS:</u></b>

**PART C: GENERAL REMARKS:**  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
  
100 FT VEGETATION HEIGHT USED.  
  
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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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	3.37
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.54
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	136.50
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	THLD	TO 1500FT POINT	6.61
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	136.50
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD  
COORDINATES  
(IF STR-IN)

383306.58N/0895142.98W

ARP COORDINATES

383242.60N/0895006.70W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 32R DISTANCE 1.32 NM

FAF  
COORDINATES

383600.89N/0895513.60W

FIX NAME  
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY  
16  
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> WARDELL HENNING (PATRICK COMBS)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 09/25/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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