

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> 3LF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 36	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> LITCHFIELD	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 691	<u>TDZE</u> 682	<u>SUPERSEDED</u> RNAV (GPS) RWY 36	<u>DATED</u> 07/18/2019	<u>MAG VAR</u> 1E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>REQUIRED EFFECTIVE DATE</u> 01/25/2024	<u>EPOCH YEAR</u> 1990
		<u>ACTUAL EFFECTIVE DATE</u> 25 JANUARY 2024	<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
PRAYS	IAF	OREPE	NOPT	TF	FB	1.00	087.51	9.23	3000
OREPE	IF/IAF	LIYPE		TF	FB	1.00	358.75	5.98	2200
LIYPE	FAF	RW36	MAP	TF	FO	0.30	358.77	4.65	
RW36	MAP	958 MSL		CA			358.77		
958 MSL		KUYLE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW36

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT KUYLE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. HOLD S OREPE, RT, 358.75 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

FAC: 358.77

FAF: LIYPE

DIST FAF TO MAP: 4.65

DIST FAF TO THLD: 4.65
4. MIN ALT: LIYPE 2200

MM:

IM:

150 HAT:

250 HAT: 0.66

GS ANT:
5. DIST TO THLD FROM OM:

GP ALT AT FAF: LIYPE 2200

MM:

IM:
6. MIN GP INCPT: 2200

GP ALT AT FAF: LIYPE 2200

MM:

IM:
7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 40.0
8. MSA FROM: RW36 2300



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING TAYLORVILLE ALTIMETER SETTING.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PRAYS ON V14 WESTBOUND AND ON V69 SOUTHBOUND.  
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT OREPE ON V191 NORTHEAST BOUND.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAYLORVILLE ALTIMETER SETTING AND INCREASE LPV DA TO 1005 FEET AND ALL VISIBILITIES 1/4 SM, INCREASE LNAV/VNAV DA TO 1145 AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 80 FEET AND INCREASE LNAV CAT C VISIBILITY 1/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 178.75 INBOUND.  
FAS OBST: 873 AAO 390551N/0894042W.  
CHART VDP AT 1.36 NM TO RW36.  
WAAS CHANNEL # 40403  
REFERENCE PATH ID: W36A  
LTP HAE: 176 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	932	3/4	250	932	3/4	250	932	3/4	250		NA				
LNAV/VNAV DA	1072	1 1/8	390	1072	1 1/8	390	1072	1 1/8	390		NA				
LNAV MDA	1140	1	458	1140	1	458	1140	1 3/8	458		NA				

CHANGES - REASONS

- TERMINAL ROUTES: INTERMEDIATE OREPE-LIYPE COURSE/DIST CHANGED FROM 358.76/6.04 TO 358.75/5.98, FINAL LIYPE-RW36 COURSE/DIST CHANGED FROM 358.76/4.59 TO 358.77/4.65, AND CA LEG "TO" LINE CHANGED FROM 958 TO 932 AND COURSE CHANGED FROM 358.76 TO 358.77. - FAF LIYPE MOVED.
- TERMINAL ROUTES: REMOVED VLA VORTAC-OREPE FEEDER. - VLA DECOMISSION.
- PROFILE: LINE 2: CHANGED COURSE FROM 358.76 TO 358.75 AND ADDED MAX 6000, LINE 3: CHANGED FAC FROM 358.76 TO 358.77 AND CHANGED DIST FAF TO MAP/THLD FROM 4.59 TO 4.65, LINE 5: CHANGED FROM 276 HAT: 0.74 TO 250 HAT: 0.66, AND ADDED 20:1 IS CLEAR. - H-I-L COURSE CHANGED TO MATCH INTERMEDIATE COURSE, IAW 8260.19I 8-6-7, FAF MOVED, AND NEW EVAL COMPLETED WITH NEW MINS.
- PBN REQ NOTE: CHANGED FROM RNP APCH TO RNP APCH-GPS. - IAW 8260.19I 8-6-8.
- NOTES: ADDED "PROCEDURE NA FOR ARRIVALS AT PRAYS ON V14 WESTBOUND AND ON V69 SOUTHBOUND" AND CHANGED B/U ALTIMETER NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAYLORVILLE ALTIMETER SETTING AND INCREASE ALL DA 73 FEET AND ALL MDA 80 FEET. INCREASE LNAV CAT C VISIBILITY TO 1 3/8 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAYLORVILLE ALTIMETER SETTING AND INCREASE LPV DA TO 1005 FEET AND ALL VISIBILITIES 1/4 SM, INCREASE LNAV/VNAV DA TO 1145 AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 80 FEET AND INCREASE LNAV CAT C VISIBILITY 1/8 SM". - IAW 8260.19I 8-6-9, NEW MINS, AND IAW 8260.3E TABLE 3-3-1.
- ADDITIONAL FLIGHT DATA: ADDED LTP HAE: 176 M, AND REMOVED 753 TREE/951 TOWER FAS OBSTS, DISTANCE TO THLD NOTE, AND \*LNAV ONLY. - NEW EVAL WITH NEW CONTROLLING OBST AND IAW 8260.19I 8-6-10.
- ADDITIONAL FLIGHT DATA: CHANGED VDP FROM 1.74 TO 1.36. IAW 8260.3E 2-6-5.
- MINS: CHANGED LPV FROM 958/276/1SM TO 932/250/ 3/4SM, LNAV/VNAV FROM 1013/331/ 1 1/4SM TO 1072/390/ 1 1/8SM, AND LNAV FROM 1260/578 TO 1140/458 AND CAT C VIS FROM 1 5/8SM TO 1 3/8SM. - NEW EVAL COMPLETED WITH NEW CONTROLLING OBSTS AND IAW 8260.3E TABLE 3-3-1; FPT APPROVES LOWERING OF MINIMUMS.
- FAS DATA: CRC REMAINDER CHANGED FROM 1B3ABC89 TO 5EB9798F. - LTP LAT/LONG CHANGED FROM 390908.1000N/0894020.3025W TO 390908.1005N/0894020.2990W AND FPAP LAT/LONG CHANGED FROM 391037.2800N/0894020.7600W TO 391037.2810N/0894020.7610W.
- ADDITIONAL FLIGHT DATA: CHANGED HOLD COURSE FROM 178.76 TO 178.75. - MATCH RNAV RWY 18 INTERMEDIATE COURSE.



COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

☐

HAI

☐

NBAA

☒

OTHER:

ZKC, STL APP CON, IL STATE AVIATION DIR, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

ERIC N SUSKI

Nov 02, 2023

OFFICE

DATE

DEVELOPED BY

ERIC N SUSKI (ANDRE TUCKER)

Digitally signed by

ERIC N SUSKI

Nov 02, 2023

OFFICE

AJV-A431

DATE

09/05/2023

APPROVED BY

ERIC N SUSKI

Digitally signed by

ERIC N SUSKI

Nov 02, 2023

OFFICE

AJV-A430

DATE

01/25/2024

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	3LF
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	390908.1005N
LTP/FTP LONGITUDE	0894020.2990W
LTP/FTP ELLIPSOIDAL HEIGHT	+01760
FPAP LATITUDE	391037.2810N
FPAP LONGITUDE	0894020.7610W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5EB9798F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02073
FPAP ORTHOMETRIC HEIGHT	+02073

