

**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</u> DUPAGE	<u>AIRPORT ID</u> KDP A	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 20R	<u>ORIGINAL/AMENDMENT</u> 1F	<u>CITY</u> CHICAGO/WEST CHICAGO	<u>STATE</u> IL	
<u>AIRPORT ELEVATION</u> 759	<u>TDZE</u> 757	<u>SUPERSEDED</u> RNAV (GPS) RWY 20R	<u>ORIGINAL/AMENDMENT</u> 1E	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<b><u>FROM</u></b>	<b><u>FIX TYPE</u></b>	<b><u>TO</u></b>	<b><u>FIX TYPE</u></b>	<b><u>LEG TYPE</u></b>	<b><u>FO/FB</u></b>	<b><u>RNP</u></b>	<b><u>COURSE</u></b>	<b><u>DISTANCE</u></b>	<b><u>ALTITUDE</u></b>
DPA VOR/DME		DUKBE		TF	FO	2.00	031.39	14.66	3000
NUELG		DUKBE		TF	FO	2.00	072.58	22.21	3000
FARMM	IAF	DUKBE	NOPT	TF	FB	1.00	151.94	16.11	3000
DUKBE	IF/IAF	FRTZZ		TF	FB	1.00	195.06	6.20	2500
FRTZZ	FAF	SUCOP/1.80 NM TO RW20R		TF	FB	0.30	195.04	3.55	
SUCOP/1.80 NM TO RW20R		RW20R	MAP	TF	FO	0.30	195.04	1.80	
RW20R	MAP	1043 MSL		CA			195.04		
1043 MSL		FABUG		DF	FB	1.00			
FABUG		JOT VOR/DME		TF	FO	1.00	187.21	16.33	2500

**MISSED APPROACH**

**MAP:**

LPV: DA  
 LNAV/VNAV: DA  
 LNAV: RW20R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2500 DIRECT FABUG AND ON TRACK 187.21 TO JOT VOR/DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD N DUKBE, RT, 195.06 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 195.04 FAF: FRTZZ DIST FAF TO MAP: 5.35 DIST FAF TO THLD: 5.35
4. MIN ALT: DUKBE 3000, FRTZZ 2500, SUCOP/1.80 NM TO RW20R 1360\*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 286 HAT: 0.77 GS ANT:
6. MIN GP INCPT: 2500 GP ALT AT FAF : FRTZZ 2500 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 40.0
8. MSA FROM: RW20R 3400

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: RWY 20R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH (FEET)).  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FARMM ON V24-100-228 NORTHWEST BOUND.  
CHART NOTE: CIRCLING RWY 15, 28, 33 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.14 NM TO RW20R\*  
\*LNAV ONLY  
WAAS CHANNEL #45921  
REFERENCE PATH ID: W20A  
CHART FAS OBST: 908 BLDG 415513N/0881522W.  
HOLD SW, RT, 051.00 INBOUND  
LTP HAE: 197 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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	1043	7/8	286	1043	7/8	286	1043	7/8	286	1043	7/8	286			
LNAV/VNAV DA	1080	1	323	1080	1	323	1080	1	323	1080	1	323			
LNAV MDA	1160	1	403	1160	1	403	1160	1 1/8	403	1160	1 1/8	403			
CIRCLING	1260	1	501	1260	1	501	1360	1 3/4	601	1360	2	601			



CHANGES - REASONS

- 1. PROFILE LINE 7, 20:1 IS CLEAR ADDED - IAW 8260.19H PARA 8-6-7G(3).
- 2. PROFILE NOTE ADDED: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - ALTHOUGH VGSI IS PUBLISHED AT SAME ANGLE AND TCH AS THE RNAV FINAL, THE VGSI HAS NOT BEEN COMMISSIONED AND IS NOT VISUALLY COINCIDENT BASED ON FLIGHT CHECK ASSESSMENT.
- 3. NOTE DELETED: DME/DME RNP-0.3 NA - NOTE REPLACED WITH NEW PBN EQUIPMENT REQUIREMENT NOTE.
- 4. PBN REQUIREMENTS NOTE ADDED: RNP APCH - PER MEMO 257.
- 5. FAHRENHEIT TEMPS DELETED FROM NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F) - PER 8260.19H 8-6-9S.
- 6. NOTE DELETED: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AURORA ALTIMETER SETTING AND INCREASE ALL DA 37 FEET, MDA 40 FEET, INCREASE LPV VISIBILITY ALL CATS 1/8 MILE, LNAV CAT C/D VISIBILITY 1/4 MILE - PRIMARY ALTIMETER SOURCE LOCAL, ON-AIRPORT AND ON WMSCR.
- 7. NOTE DELETED: VDP AND BARO-VNAV NA WHEN USING AURORA ALTIMETER SETTING - PRIMARY ALTIMETER SOURCE LOCAL, ON-AIRPORT AND ON WMSCR.
- 8. NOTE DELETED: ALTERNATE MINIMUMS NA WHEN LOCAL WEATHER NOT AVAILABLE - PRIMARY ALTIMETER SOURCE LOCAL, ON-AIRPORT AND ON WMSCR.
- 9. CHANGED NOTE: "NIGHT LANDING: RWY 15, 28, 33 NA" TO "CIRCLING RWY 15, 28, 33 NA AT NIGHT" - UPDATED CRITERIA.



**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAU, ORD APP CON, DPA ATCT, AMGR

**FLIGHT CHECKED BY**

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS  
GROUP (AJW-33) MEMO, DEC 22, 2017.

**DEVELOPED BY** *Digitally signed by*

ANDREA CHANEY **ANDREA J CHANEY**

Jul 20, 2018

**APPROVED BY**

PATRICK MULQUEEN

**OFFICE** *Digitally signed by*

**DAVID TEFFETELLER**

Aug 01, 2018

**OFFICE**

AJV-5433

**DATE**

07/10/2018

*Digitally signed by*

**DAVID TEFFETELLER**

Aug 01, 2018

**OFFICE**

AJV-5430

**DATE**

**TITLE**

MANAGER



**FAS DATA BLOCK INFORMATION**

<b><u>DATA FIELD</u></b>	<b><u>DATA</u></b>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDPA
RUNWAY	RW20R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	415451.0760N
LTP/FTP LONGITUDE	0881448.5230W
LTP/FTP ELLIPSOIDAL HEIGHT	+00197
FPAP LATITUDE	415324.6000N
FPAP LONGITUDE	0881517.4200W
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	0440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 CRC REMAINDER	 4C4269D2

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02303
FPAP ORTHOMETRIC HEIGHT	+02303

