

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> KDPA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 20R	<u>ORIGINAL/AMENDMENT</u> 2	<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SUPERSEDED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> 1H	<u>DATED</u> 10/07/2021	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 1985
<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>
DPA VOR/DME		DUKBE		TF	FO	1.00	031.40	14.65	3000
SMLLY	IAF	DUKBE	NOPT	TF	FB	1.00	104.96	7.00	3000
DUKBE	IF/IAF	FRTZZ		TF	FB	1.00	195.07	6.20	2500
FRTZZ	FAF	SUCOP/1.77 NM TO RW20R		TF	FB	0.30	195.04	3.58	
SUCOP/1.77 NM TO RW20R		RW20R	MAP	TF	FO	0.30	195.04	1.77	
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 187.21 TRACK TO JOT VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
42
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD N DUKBE, RT, 195.07 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 195.04FAF: FRTZZDIST FAF TO MAP: 5.35DIST FAF TO THLD: 5.35

4. MIN ALT: DUKBE 3000, FRTZZ 2500, SUCOP/1.77 NM TO RW20R 1360

5. DIST TO THLD FROM OM:MM:IM:150 HAT:286 HAT: 0.78GS ANT:

6. MIN GP INCPT: 2500GP ALT AT PFAF : FRTZZ 2500OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM: RW20R 3400

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 15, 28, 33 NA AT NIGHT.
CHART NOTE: RWY 20R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 051.00 INBOUND.
CHART FAS OBST: 908 BUILDING (17-001265) 415513N/0881522W.
CHART 1136 TOWER 415954N/0881433W.
CHART VDP AT 1.14 NM TO RW20R.
WAAS CHANNEL # 45921
REFERENCE PATH ID: W20A
LTP HAE: 197.1 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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	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	1360	1	601	1460	2	701	1460	2 1/4	701			



CHANGES - REASONS

1. DELETED FEEDER FROM NUELG TO DUKBE - AIRSPACE REDESIGN FOR TRAFFIC SEPARATION.
2. DELETED INITIAL FROM FARMM TO DUKBE - AIRSPACE REDESIGN FOR TRAFFIC SEPARATION.
3. ADDED INITIAL FROM SMLLY TO DUKBE - AIRSPACE REDESIGN FOR TRAFFIC SEPARATION.
4. MISSED APPROACH INSTRUCTIONS CHANGED FROM "CLIMB TO 2500 DIRECT FABUG AND ON TRACK 187.21 TO JOT VOR/DME AND HOLD" TO "CLIMB TO 2500 DIRECT FABUG AND 187.21 TRACK TO JOT VOR/DME AND HOLD" - REMOVED UNREQUIRED WORDING OF "ON".
5. REMOVED ASTERISK FROM SUCOP ALTITUDE OF 1360 AND LNAV ONLY NOTE - LNAV ONLY IDENTIFICATION AT ALTITUDE NO LONGER REQUIRED.
6. CHANGED DIST TO 286 HAT VALUE FROM 0.77 TO 0.78 - TARGETS CALCULATION.
7. ADDED GPS TO PBN REQUIREMENTS NOTE RNP APCH - NEW REQUIREMENT TO IDENTIFY SENSOR.
8. DELETED DME/DME RNP-0.3 NA NOTE - REPLACED BY PBN REQUIREMENT NOTE.
9. UPDATED UNCOMPENSATED BARO-VNAV NOTE: DELETED FAHRENHEIT VALUES; CHANGED BELOW VALUE FROM -16C TO -22C - FAHRENHEIT VALUES NO LONGER REQUIRED; NEW TARGETS CALCULATION.
10. DELETED BACK-UP ALTIMETER SETTING NOTES - KDPA ALITMETER SOURCE IS ON WMSCR, MOVED TO BACK OF 8260-9 AS CONTINGENT WHEN NEEDED BY NOTAM.
11. DELETED VGSI NOT COINCIDENT PROFILE NOTE - VGSI IS COINCIDENT WITH GP/TCH.
12. INCORPORATED P-NOTAM CIRCLING CATS C/D MINS - P-NOTAM ISSUED RAISING MINS ON PUBLISHED CHART.
13. CRC REMAINDER CHANGED FROM 4C4269D2 TO 755F5FC7 - LTP AND FPAP COORDINATES AND ELLIPSOIDAL HEIGHT UPDATED.
14. DELETED PROCEDURE NA NOTE FOR ENTRY AT FARMM - FARMM TO DUBKE INITIAL DELETED FROM PROCEDURE.
15. TERMINAL ROUTE FROM DUKBE TO FRTZZ COURSE CHANGED FROM 195.06 TO 195.07 - FRTZZ MOVED 2.6 FT.
16. SUCOP ATD FIX CHANGED FROM SUCOP/1.80 NM TO RW20R TO SUCOP/1.77 NM TO RW20R SUCOP MOVE 165.9 FT.
17. HIL COURSE CHANGED FROM 195.06 TO 195.07 - ALIGN WITH NEW INTERMEDIATE COURSE.
18. TERMINAL ROUTE FROM SUCOP/1.77 NM TO RW20R TO RW20R DISTANCE CHANGED FROM 1.80 TO 1.77 - SUCOP MOVED 2.6 FT.
19. TERMINAL ROUTE FROM FRTZZ TO SUCOP/1.77 NM TO RW20R DISTANCE CHANGED FROM 3.55 TO 3.58 - SUCOP MOVED 2.6 FT.

COORDINATED WITH:

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

FLIGHT CHECKED BY

BRIAN P CARSON

Digitally signed by
CASIMIR L TABAKA

OFFICE

FPO

DATE

04/06/2023

DEVELOPED BY

KELLY DEAN

Digitally signed by
KELLY D DEAN

OFFICE

AJV-A432

DATE

01/12/2023

APPROVED BY

CASIMIR TABAKA

Mar 17, 2023

Digitally signed by
CASIMIR L TABAKA

Mar 21, 2023

OFFICE

AJV-A432

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
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	415451.0750N
LTP/FTP LONGITUDE	0881448.5210W
LTP/FTP ELLIPSOIDAL HEIGHT	+01971
FPAP LATITUDE	415324.5890N
FPAP LONGITUDE	0881517.4145W
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	755F5FC7

ADDITIONAL PATH POINT RECORD INFORMATION

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

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

<u>AIRPORT ID</u> KDPA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 20R	<u>AMDT NO.</u> 2	<u>CITY</u> CHICAGO/WEST CHICAGO	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 759	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
DPA VOR/DME

TO
DUKBE

<u>RNP</u>	<u>DISTANCE</u> 14.65	<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>
TOWER (17-002327)	420050.00N/0881707.00W		1149	500	50	5D	1000				AT851	3000
TERRAIN	420518.00N/0881348.00W		918 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM
SMLLY

TO
DUKBE

<u>RNP</u>	<u>DISTANCE</u> 7.00	<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>
AAO	420721.00N/0882012.00W		1168	164	98	4E	1000				AT832	3000
TERRAIN	420657.00N/0882018.00W		967 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM
DUKBE (IF/IAF)

TO
FRTZZ

RNP	DISTANCE 6.20	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	420700.00N/0881103.00W		1132	164	98	4E	500				AC98 AT770	2500
TERRAIN	420518.00N/0881348.00W		918 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM
FRTZZ

TO
RW20R

RNP	DISTANCE 5.35	PAT	MAP DA	HAT 286			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (17-037531)	415519.36N/0881445.54W		836	20	3	1A		34:1			MA21 XP15	1043

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP - ADDED TO MAINTAIN EXISTING DA.



FINAL: LNAV/VNAV

FROM
FRTZZ

TO
RW20R

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.35		DA		323							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
BUILDING (17-001265)	415512.50N/0881522.44W		908	20	3	1A	161				XP11	1080

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

XP - ADDED TO MAINTAIN EXISTING DA.

FINAL: LNAV

FROM
FRTZZ

TO
SUCOP/1.77 NM TO RW20R

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	3.58											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	415916.60N/0881251.55W		1070	50	20	2C	250				RA37	1360

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM
SUCOP/1.77 NM TO RW20R

TO
RW20R

RNP	DISTANCE 1.77	PAT	MAP RW20R	HAT 403	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
BUILDING (17-001265)	415512.50N/0881522.44W		908	20	3	1A	250					1160

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

HOLD-IN-LIEU OF PT

FROM
DUKBE

TO
P-5

RNP	DISTANCE	PAT P-5	MAP	HAT	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (17-000299)	421116.98N/0880532.14W		1233	20	10	1B	1000				AT767	3000
TERRAIN	420721.00N/0881457.00W		964 (1000)								AS1500	2500

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



MISSED APPROACH : LPV

FROM

DA

TO

JOT VOR/DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 839					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (17-037531)	415519.36N/0881445.54W		836	20	3	1A		ASC				2500
TOWER (17-001880)	414827.00N/0881607.00W		1187	250	50	4D	1000					2200
TERRAIN	415236.00N/0881636.00W		803 (800)								AS1500	2300

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

MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

JOT VOR/DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
							919					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2500
TOWER (17-001880)	414827.00N/0881607.00W		1187	250	50	4D	1000					2200
TERRAIN	415236.00N/0881636.00W		803 (800)								AS1500	2300

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



MISSED APPROACH : LNAV

FROM

RW20R

TO

JOT VOR/DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 1060					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				2500
TOWER (17-001880)	414827.00N/0881607.00W		1187	250	50	4D	1000					2200
TERRAIN	415236.00N/0881636.00W		803 (800)								AS1500	2300

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											
TANK (17-000505)	415403.00N/0881256.00W	1.30	501	950	20	10	1B	300			1260
CATEGORY B											
TOWER (17-000089)	415230.00N/0881638.00W	1.83	601	1003	250	50	4D	300		AC50	1360
CATEGORY C											
TOWER (17-001190)	415212.40N/0881754.33W	2.88	701	1158	50	20	2C	300			1460
CATEGORY D											
TOWER (17-001190)	415212.40N/0881754.33W	3.76	701	1158	50	20	2C	300			1460

CIRCLING REMARKS:



MSA

CENTER

RW20R

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	BLDG (17-000687)	415244.00N/0873809.00W	095	27.5	2325	50	50	2D	1000			3400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZAU ARTCC, ORD APP CON, DPA TOWER

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KDPA	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KDPA	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> ASOS	<u>LOCATION</u> KARR	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KARR	<u>DISTANCE</u> 13.02	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 37

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KDPA: 759 MSL
KARR: 712 MSL
RA=36.5

<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>
RW15 - MIRL, REIL, PAPI-4R		BSC-G	
RW33 - MIRL, REIL		BSC-G	
RW02R - MIRL		NPI-G	
RW20L - MIRL		NPI-G	
RW02L - TDZ, MALSR, HIRL, C/LINE		PIR-G	APPROACH
RW10 - HIRL, REIL, LDIN, VASI-4L (PCL)		PIR-G	
RW20R - HIRL, C/LINE, PAPI-4L		PIR-G	ROLL OUT
RW28 - HIRL, REIL, PAPI-4L		PIR-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 755.5	<u>TCH</u> 40.0	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 40.0
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	



CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-22C	+54C	-26C	+13.5C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2018-2022).
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.
DESCENT RATE (FPM): STANDARD TEMP 965 HIGH TEMP 1273.

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 15
20:1	
835 TREE (17-037529) 415520.1000N/0881451.5100W (27.62)	813 TREE (17-038040) 415518.2000N/0881449.7600W (17.28)
840 TREE (17-058477) 415522.5000N/0881458.3900W (8.42)	807 TREE (17-041618) 415516.4100N/0881455.3000W (7.7)
848 TREE (17-037536) 415524.2100N/0881459.2400W (7.39)	831 TREE (17-049311) 415521.2800N/0881457.9800W (5.46)
819 TREE (17-073405) 415522.2100N/0881450.4400W (4.78)	796 POLE (17-023753) 415515.8300N/0881452.6400W (4.57)
845 TREE (17-037532) 415522.8800N/0881502.0300W (4.41)	791 TRANSMISSION_LINE (17-023905) 415517.4100N/0881447.1400W (3.97)
791 POLE (17-058466) 415517.4100N/0881447.1400W (3.97)	836 TREE (17-058476) 415523.0900N/0881458.1700W (2.34)
779 POLE (17-028496) 415515.6100N/0881446.1100W (1.75)	
Final Type	CIRCLING RWY 28
20:1	
827 TREE (17-031502) 415445.7200N/0881408.6800W (9.31)	796 TREE (17-049442) 415443.3700N/0881415.1700W (1.46)
809 TREE (17-036851) 415439.1800N/0881411.9200W (0.02)	
Final Type	CIRCLING RWY 33
20:1	
823 TREE (17-037497) 415432.5700N/0881418.3600W (25.87)	817 TREE (17-037546) 415432.5200N/0881416.1200W (15.12)
787 TREE (17-043004) 415439.1300N/0881416.2200W (13.55)	822 TREE (17-036854) 415432.3300N/0881411.4300W (9.79)
812 TREE (17-073546) 415432.9100N/0881415.1400W (9.79)	773 TRAVERSE_WAY (17-037396) 415440.2100N/0881417.2900W (6.34)
822 TREE (17-036859) 415432.3600N/0881409.5500W (6.11)	845 TREE (17-073743) 415425.5300N/0881412.0100W (4.92)
846 TREE (17-073170) 415424.7000N/0881412.9500W (4.28)	815 TREE (17-031501) 415431.2000N/0881414.3900W (3.97)
842 TREE (17-072797) 415426.2600N/0881411.0700W (3.13)	843 TREE (17-038020) 415425.4400N/0881412.2900W (3.11)
816 TREE (17-058319) 415430.4400N/0881415.0500W (3.06)	773 TRAVERSE_WAY (17-031497) 415439.3300N/0881417.1700W (2.34)



809 TREE (17-058317) 415432.5100N/0881413.7400W (2.25)	759 LIGHTING (17-073679) 415440.5700N/0881420.9000W (1.2)
836 TREE (17-073351) 415426.1900N/0881413.0800W (0.91)	841 TREE (17-038021) 415426.0400N/0881410.5300W (0.1)
Final Type LPV, LNAV/VNAV, LNAV	
34:1	
836 TREE (17-037531) 415519.3600N/0881445.5400W (3.07)	835 TREE (17-032688) 415519.2400N/0881444.1100W (1.65)
826 TREE (17-058989) 415516.9200N/0881445.9800W (0.36)	

PENETRATIONS REMARKS:

LPV AND LNAV/VNAV VGS PENETRATIONS:
LIGHTING (17-072821) 415451.03N/0881447.78W (1.19)
LIGHTING (17-073139) 415451.30N/0881449.20W (1.17)
ELECTRICAL SYSTEM (17-023671) 415451.31N/0881449.27W (0.18)

FPT VERIFIED PENETRATIONS ARE AUTHORIZED IAW FAA ORDER 8260.3 PARA 2-6-6A.

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION HEIGHT WITHIN 5 NM PER FPT - 100 FT

CONTINGENT BACK-UP ALTIMETER SETTING NOTE TO BE ISSUED BY NOTAM WHEN NEEDED:
WHEN LOCAL ALTIMETER NOT RECEIVED, USE CHICAGO/AURORA ALTIMETER SETTING AND INCREASE LPV DA TO 1080 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1117 FEET;
AND INCREASE ALL MDA 40 FEET; INCREASE LNAV CATS C/D AND CIRCLING CATS C/D VISIBILITY 1/4 SM. BARO/VNAV AND VDP NA.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1136 TOWER (17-001845) 415954.00N/0881433.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> KDPa	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 20R	<u>AMDT NO.</u> 2	<u>CITY</u> CHICAGO/WEST CHICAGO	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 759	<u>FACILITY</u> RNAV
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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	3.47
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	194.04
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	900
DISTANCE FROM	THLD	TO 1500FT POINT	5.15
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.39
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	194.04
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	900

THRESHOLD
COORDINATES
(IF STR-IN)

415451.08N/0881448.52W

ARP COORDINATES

415425.39N/0881452.78W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 2R DISTANCE 0.83 NM

FAF
COORDINATES

420002.77N/0881304.20W

FIX NAME
COORDINATES

REMARKS

QUALITY
42
CHECKED

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Electronic Version

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PART E: PREPARED BY

<u>NAME</u> KELLY DEAN	<u>OFFICE</u> AJV-A432	<u>DATE</u> 01/12/2023	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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